

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

Department of Middle and High School Education

Curriculum Change

Hegis #: 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 Term: Spring 2017

1. **Type of Change:** Degree Requirement

2. **From:**

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

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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 (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 courses¹, two in teaching methods and two in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

A teaching methods course ESC 410-462 (4 credits) for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶ and ESC 463 (3 credits) Special Needs Education. ESC 410-462 (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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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.

¹Art candidates earn K-12 certification, and therefore complete ~~ECE 350~~ (3 credits), ESC 414 (4 credits), and one additional ESC course in consultation with the education adviser.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

3. To:

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

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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 (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:

4. Enter the Certification Sequence with a minimum overall GPA of 3.0;
5. Complete half of the major courses; and

6. 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 courses¹, two in teaching methods and two in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

A teaching methods course ESC 410-462 (4 credits) for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶ and ESC 463 (3 credits) Special Needs Education. ESC 410-462 (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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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:

6. 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.
7. Complete two semesters of college-level study of a language other than English.
8. 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).
9. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).
10. 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.

¹Art 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.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

4. **Rationale:**

The Early Childhood and Childhood Education Department created a new methods course, which replaced ECE 350 in the Middle and High School Education K-12 Art Certification Program.

5. **Date of departmental approval:** March 17, 2016

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

Department of Middle and High School Education

Curriculum Change

Hegis #: 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 Term: Fall 2016

1. **Type of Change:** Degree Requirement

2. **From:**

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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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.

¹Art candidates earn K-12 certification, and therefore complete ~~ECE 350~~ (3 credits), ESC 414 (4 credits), and one additional ESC course in consultation with the education adviser.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

3. To:

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:

4. Enter the Certification Sequence with a minimum overall GPA of 3.0;
5. Complete half of the major courses; and
6. 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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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:

6. 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.
7. Complete two semesters of college-level study of a language other than English.
8. 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).
9. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).
10. 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.

¹Art 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.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

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

The Early Childhood and Childhood Education Department created a new methods course, which replaced ECE 350 in the Middle and High School Education K-12 Art Certification Program.

5. **Date of departmental approval:** March 17, 2016

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

Department of Middle and High School Education

Curriculum Change

Hegis #: 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 Term: Fall 2016

1. Type of Change: Degree Requirement

2. From:

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

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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 (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 courses¹, two in teaching methods and two in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

A teaching methods course ESC 410-462 (4 credits) for art¹, English², foreign language³, math⁴, science⁵, and social studies⁶ and ESC 463 (3 credits) Special Needs Education. ESC 410-462 (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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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.

¹Art candidates earn K-12 certification, and therefore complete ECE 350-(3 credits), ESC 414 (4 credits), and one additional ESC course in consultation with the education adviser.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

3. **To:**

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

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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 (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:

4. Enter the Certification Sequence with a minimum overall GPA of 3.0;
5. Complete half of the major courses; and
6. 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 courses¹, two in teaching methods and two in the Student Teaching Experience.

Teaching Methods and/or Special Needs Students

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

ESC 410-462 (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 (3 credits) Student Teaching in the Middle and High School

ESC 471 (3 credits) Student Teaching Seminar

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:

6. 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.
7. Complete two semesters of college-level study of a language other than English.
8. 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).
9. Foreign language candidates must complete courses 3180 and 3190 in their language majors, and pass the ACTFL OPI (oral proficiency interview).
10. 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.

¹Art 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.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

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

The Early Childhood and Childhood Education Department created a new methods course, which replaced ECE 350 in the Middle and High School Education K-12 Art Certification Program.

5. Date of departmental approval: March 17, 2016

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

Department of Middle and High School Education

Curriculum Change

Hegis #: 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 Term: Fall 2016

1. Type of Change: Degree Requirement

2. From:

Middle and High School Education Minor (12-13 Credits)*

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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.

¹Art candidates earn K-12 certification, and therefore complete ~~ECE 350~~ (3 credits), ESC 414 (4 credits), and one additional ESC course in consultation with the education adviser.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

3. To:

Middle and High School Education Minor (12-13 Credits)*

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.

ESC 301 (3 credits) Psychological Foundations of Middle and High School

ESC 302 (3 credits) Social Foundations of Education: A Multicultural Perspective

ESC 429 (3 credits) Language and Literacies Acquisition in Secondary Education

ESC 463 (3 credits) Special Needs Education or a teaching methods course ESC 410-462 (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.

¹Art 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.

²English candidates complete ESC 410 and ESC 422.

³Foreign language candidates complete ESC 424 and ESC 462.

⁴Math candidates complete ESC 432 and ESC 4480.

⁵Science candidates complete ESC 419 and ESC 467.

⁶Social studies candidates complete ESC 433 and ESC 434.

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

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

The Early Childhood and Childhood Education Department created a new methods course, which replaced ECE 350 in the Middle and High School Education K-12 Art Certification Program.

5. Date of departmental approval: March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of change:** New Course

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	Middle and High School Education
Course Prefix & Number	ESC 467
Course Title	Community Resources for Science Teaching and Learning
Description	Demonstration of academic and practical connections between learning and teaching. Application to learning opportunities that are not bound by places such as home, school, parks and museums. Note: Students will complete assignments at informal science institutions and learning spaces outside of the classroom.
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	<input checked="" type="checkbox"/> Not Applicable

Education Component	<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

3. **Rationale:**

This course gives undergraduates an opportunity to learn about and interact with informal spaces to enrich the science experiences of aspiring teachers and science students. The Next Generation of Science Standards emphasizes the importance of drawing connections between the content taught in classrooms to resources that are available within the community. Relating students' daily lives, their local physical learning environments and other spaces that they frequent, directly to the experience of learning science are vital components for understanding the content within a variety of contexts.

This course has successfully run as an experimental course twice within the last year.

4. **Learning Outcomes and Sample Syllabus (By the end of the course students will be expected to):**

- a) learn about the educational and social roles that informal science institutions and spaces play in the lives of teachers, students and society
- b) understand how our concepts of pedagogical content knowledge evolve and deepen the observation of and participation in informal science domains
- c) understand how designed environments, like museums, collections, educators' guides, digital resources and the media enhance experiences and understanding of science content.

5. **Date of Departmental Approval:** March 3, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

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

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 301
Course Title	Psychological Foundations of Middle and High School.
Description	<i>45 hours of supervised fieldwork.</i> Development from childhood through adolescence (cognitive, emotional, social, and physical), learning theories, measurement and evaluation, inclusion of special student populations, and use of relevant technology and software. Theories and research findings will be discussed in relation to classroom observations.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] 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
--	--

3. To: Underline the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 301
Course Title	Psychological Foundations of Middle and High School.
Description	<u>20 hours of supervised fieldwork.</u> Development from childhood through adolescence (cognitive, emotional, social, and physical), learning theories, measurement and evaluation, inclusion of special student populations, and use of relevant technology and software. Theories and research findings will be discussed in relation to classroom observations.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] 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

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

We are redistributing the field hours component across the certification program for consistency.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

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

2. **From:**

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	Middle and High School Education
Course Prefix & Number	ESC 410
Course Title	Teaching Writing in Secondary School.
Description	<i>4 hours (2, lecture; 2, fieldwork), 3 credits.</i> An examination of writing theory and practice for the purpose of developing effective performance in the teaching of composition. Practice in teaching and evaluating writing and in measuring progress. Field experience and instruction in individual writing instruction.
Pre/ Co Requisites	PREREQ: ESC 301. <i>Note: For students preparing to teach English, completion of an advanced course in writing is strongly recommended.</i>
Credits	3
Hours	4
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

--	--

3. To:

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	Middle and High School Education
Course Prefix & Number	ESC 410
Course Title	Teaching Writing in Secondary School.
Description	An examination of writing theory and practice for the purpose of developing effective performance in the teaching of composition. Practice in teaching and evaluating writing and in measuring progress. Field experience and instruction in individual writing instruction.
Pre/ Co Requisites	PREREQ: ESC 301. <i>Note: For students preparing to teach English, completion of an advanced course in writing is strongly recommended.</i>
Credits	4
Hours	4
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

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

Adjustments are needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. Date of departmental approval: March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

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

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 4480
Course Title	Teaching Problem Solving in Mathematics in Middle and High School.
Description	<i>3 hours, lecture; 20 hours, fieldwork in middle or high school, 3 credits.</i> 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	PREREQ: Calculus I and II.
Credits	3
Hours	3
Liberal Arts	[] Yes [X] 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

	____ Scientific World
--	-----------------------

3. To: Underline the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 4480
Course Title	Teaching Problem Solving in Mathematics in Middle and High School.
Description	<i>3 hours, lecture; <u>25</u> hours, fieldwork in middle or high school, 3 credits.</i> 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	PREREQ: Calculus I and II.
Credits	3
Hours	3
Liberal Arts	[] Yes [X] 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

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

We are redistributing the field hours component across the certification program for consistency.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Course Description, Pre-requisites

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 462
Course Title	Teaching Language Arts in Languages Other than English.
Description	<i>3 hours, lecture; 2 hours, lab; 4 credits; 30 hours fieldwork required.</i> Methods, materials, and assessment for developing literacy through language arts in a language other than English at the middle and high school levels. Curriculum development; use of relevant technology and software; current standards; instructional strategies; inclusion of special populations; assessment. Fieldwork under supervision.
Pre/ Co Requisites	PREREQ: A combined index of 3.0 or better in ESC 301, 302, and 409; completion of at least 50 percent of the credits in a foreign language major, with a minimum 2.7 GPA ; and submission of scores on the New York State LAST examination to the Division of Education Office. PRE- or COREQ: ESC 424.
Credits	4
Hours	5
Liberal Arts	[] 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
--	---

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 462
Course Title	Teaching Language Arts in Languages Other than English.
Description	<u>4</u> hours, 4 credits; <u>25</u> hours fieldwork required. Methods, materials, and assessment for developing literacy through language arts in a language other than English at the middle and high school levels. Curriculum development; use of relevant technology and software; current standards; instructional strategies; inclusion of special populations; assessment. Fieldwork under supervision.
Pre/ Co Requisites	PREREQ: <u>This course represents the first course of the certification sequence. A cumulative index of 3.0 or better in ESC 301, 302, and 463; enrollment in the certification sequence;</u> completion of at least 50 percent of the credits in a foreign language major; submission of scores on the New York State <u>ALST</u> examination to the School of Education Office. PRE- or COREQ: ESC 424.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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
--	--

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

First, we are redistributing the field hours component across the certification program for consistency. Second, we are updating information about the course including the GPA requirements, removing and replacing an outdated prerequisite course with the current one; making adjustments needed for the lecture and lab components to realign the learning goals to meet new certification requirements; and updating the description with the new certification exam.

5. Date of departmental approval: March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Hours

2. **From:**

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	Middle and High School Education
Course Prefix & Number	ESC 434
Course Title	Teaching U.S. History and Government in Middle and High School.
Description	5 hours (3, lecture; 2, lab), 4 credits. Introduction to current theory on curriculum, alternate views on scope and sequence, lesson planning, and national and State standards. Uses of technology and reviews of relevant software, alternative teaching strategies, different types of assessment, inclusion of special student populations, and literacy development in social studies. Note: requires 25 hours of fieldwork.
Pre/ Co Requisites	PREREQ: Completion of at least 50 percent of the credits in the student's major, with a minimum 3.0 cumulative GPA; and submission of scores on the New York State ALST examination to the Certification Officer.
Credits	4
Hours	5
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
--	---

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 434
Course Title	Teaching U.S. History and Government in Middle and High School.
Description	<u>4</u> hours (3, lecture; 2, lab), 4 credits. Introduction to current theory on curriculum, alternate views on scope and sequence, lesson planning, and national and State standards. Uses of technology and reviews of relevant software, alternative teaching strategies, different types of assessment, inclusion of special student populations, and literacy development in social studies. Note: requires 25 hours of fieldwork.
Pre/ Co Requisites	PREREQ: Completion of at least 50 percent of the credits in the student's major, with a minimum 3.0 cumulative GPA; and submission of scores on the New York State ALST examination to the Certification Officer.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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

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

Adjustments are needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Hours

2. **From:**

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	Middle and High School Education
Course Prefix & Number	ESC 433
Course Title	Teaching World History in Middle and High School.
Description	<i>3 hours, lecture; 25 hours, fieldwork in a middle or high school; 4 credits.</i> Methods of teaching world history to urban middle and high school students. Critical examination of the roles of both content and teachers in an urban classroom.
Pre/ Co Requisites	
Credits	4
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

--	--

3. **To:** Underline the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 433
Course Title	Teaching World History in Middle and High School.
Description	<u>4</u> hours, 4 credits, 25 hours fieldwork in a middle or high school; Methods of teaching world history to urban middle and high school students. Critical examination of the roles of both content and teachers in an urban classroom.
Pre/ Co Requisites	
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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

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

Adjustments are needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Hours, Pre-requisite

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 432
Course Title	Teaching Mathematics in Middle and High School.
Description	<i>3 hours, lecture; 2 hours, lab; 4 credits; 30 hours fieldwork required.</i> Introduction to methods and materials for teaching mathematics in middle and high school, overview of curriculum, current standards, lesson planning; instructional strategies, uses of technology, problem solving; assessment, inclusion of special student populations, and literacy development in mathematics.
Pre/ Co Requisites	PREREQ: A cumulative index of 3.0 or better in ESC 301, 302, 409, 429; completion at least 50 percent of the credits in the student's major, with a minimum 2.7 cumulative GPA ; submission of scores on the New York State LAST examination to the Division of Education Office.
Credits	4
Hours	5
Liberal Arts	[] Yes [X] 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
--	--

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 432
Course Title	Teaching Mathematics in Middle and High School.
Description	<u>4</u> hours, <u>4</u> credits; <u>25</u> hours fieldwork required. Introduction to methods and materials for teaching mathematics in middle and high school, overview of curriculum, current standards, lesson planning; instructional strategies, uses of technology, problem solving; assessment, inclusion of special student populations, and literacy development in mathematics.
Pre/ Co Requisites	PREREQ: <u>This course represents the first course of the certification sequence.</u> A cumulative index of 3.0 or better in ESC 301, 302, <u>463</u> , 429; <u>enrollment in the certification sequence</u> ; completion at least 50 percent of the credits in the student's major; submission of scores on the New York State <u>ALST</u> examination to the <u>School</u> of Education Office.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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
--	--

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

First, we are redistributing the field hours component across the certification program for consistency. Second, we are removing and replacing an outdated prerequisite course with the current one; and updating the description with the new certification exam. Finally, adjustments are also needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

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

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 429
Course Title	Language and Literacies Acquisition in Secondary Education.
Description	<i>3 hours, lecture; 3 credits, 20 hours fieldwork required.</i> The teaching and acquisition of language and literacies through secondary content areas, including media literacy, with students of diverse language backgrounds and abilities. Curriculum development; current standards; inclusion of students with disabilities; and assessment. Integrated field experience.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] 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

	____ Scientific World
--	-----------------------

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 429
Course Title	Language and Literacies Acquisition in Secondary Education.
Description	<i>3 hours, lecture; 3 credits, 10 hours fieldwork required.</i> The teaching and acquisition of language and literacies through secondary content areas, including media literacy, with students of diverse language backgrounds and abilities. Curriculum development; current standards; inclusion of students with disabilities; and assessment. Integrated field experience.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] Yes [X] 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

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

We are redistributing the field hours component across the certification program for consistency.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Course Description, Pre-requisite, Hours

2. **From:**

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	Middle and High School Education
Course Prefix & Number	ESC 422
Course Title	Teaching English in Middle and High School.
Description	3 hours, lecture; 2 hours, lab; 4 credits. 30 hours fieldwork required. Introduction to methods and materials for teaching English at the middle and high school levels. Developing communicative competence, academic literacy through the four skills, and crosscultural awareness in a language other than English. Curriculum development; use of relevant technology; current standards; lesson planning; instructional strategies; inclusion of special populations; and assessment.
Pre/ Co Requisites	PREREQ: A combined index of 3.0 or better in ESC 301, 302, 409, 429; at least 50 percent of the credits in the student's major, with a minimum 2.7 cumulative GPA; and submission of scores on the New York State LAST examination to the Division of Education Office.
Credits	4
Hours	5
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
--	---

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 422
Course Title	Teaching English in Middle and High School.
Description	<i>4 hours, 4 credits. 25 hours fieldwork required.</i> Introduction to methods and materials for teaching English at the middle and high school levels. Developing communicative competence, academic literacy through the four skills, and crosscultural awareness in a language other than English. Curriculum development; use of relevant technology; current standards; lesson planning; instructional strategies; inclusion of special populations; and assessment.
Pre/ Co Requisites	PREREQ: <u>This course represents the first course of the certification sequence.</u> A combined index of 3.0 or better in ESC 301, 302, 463, 429; <u>enrollment in the certification sequence</u> ; completion of at least 50 percent of the credits in the student's major; and submission of scores on the New York State <u>ALST</u> examination to the <u>School</u> of Education Office.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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
--	--

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

First, we are redistributing the field hours component across the certification program for consistency. Second, we are removing and replacing an outdated prerequisite course with the current one; and updating the description with the new certification exam. Finally, adjustments are also needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Course Description, Hours, Pre-requisites

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 424
Course Title	Teaching Foreign Languages in Middle and High School.
Description	3 hours, lecture; 2 hours, lab; 4 credits. Methods and materials for teaching foreign languages at middle and high school levels. Developing communicative competence, academic literacy through the four skills, and crosscultural awareness in a language other than English. Curriculum development; use of relevant technology; current standards; lesson planning; instructional strategies; inclusion of special populations; and assessment.
Pre/ Co Requisites	PREREQ: A cumulative index of 3.0 or better in ESC 301, 302, and 409; completion of at least 50 percent of the credits in the student's major, with a minimum 2.7 cumulative GPA; submission of scores on the NYS LAST examination to the Division of Education Office.
Credits	4
Hours	5
Liberal Arts	[] 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
--	---

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 424
Course Title	Teaching Foreign Languages in Middle and High School.
Description	<u>4 hours, 4 credits. Field hours required.</u> Methods and materials for teaching foreign languages at middle and high school levels. Developing communicative competence, academic literacy through the four skills, and crosscultural awareness in a language other than English. Curriculum development; use of relevant technology; current standards; lesson planning; instructional strategies; inclusion of special populations; and assessment.
Pre/ Co Requisites	PREREQ: <u>This course represents the first course of the certification sequence.</u> A cumulative index of 3.0 or better in ESC 301, 302, and 463; <u>enrollment in the certification sequence;</u> completion of at least 50 percent of the credits in the student's major; submission of scores on the NYS <u>ALST</u> examination to the <u>School</u> of Education Office.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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

	_____ Individual and Society _____ Scientific World
--	--

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

First, we are redistributing the field hours component across the certification program for consistency. Second, we are removing and replacing an outdated prerequisite course with the current one; and updating the description with the new certification exam. Finally, adjustments are also needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

1. **Type of Change:** Course Description, Hours, Pre-requisite

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 419
Course Title	Teaching Science in Middle and High School.
Description	3 hours, lecture; 2, lab, 4 credits. 30 hours fieldwork required. Research and practice in the teaching of science at the middle and high school levels. Attention to inquiry-driven methods consistent with current standards in science education, uses of technology and relevant software, teaching strategies, assessment, inclusion of special student populations, and literacy development in science. Fieldwork under supervision.
Pre/ Co Requisites	PREREQ: A combined index of 3.0 or better in ESC 301,302, 409, and 429; completion of at least 50 percent of the credits in a State-accredited science major, with a minimum 2.7 cumulative GPA; and submission of scores on the New York State LAST examination to the Division of Education Office.
Credits	4
Hours	5
Liberal Arts	[] Yes [X] 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
--	--

3. To:

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 419
Course Title	Teaching Science in Middle and High School.
Description	<i>4 credits, 4 hours. 25 hours fieldwork required.</i> Research and practice in the teaching of science at the middle and high school levels. Attention to inquiry-driven methods consistent with current standards in science education, uses of technology and relevant software, teaching strategies, assessment, inclusion of special student populations, and literacy development in science. Fieldwork under supervision.
Pre/ Co Requisites	PREREQ: <u>This course represents the first course of the certification sequence.</u> A combined index of 3.0 or better in ESC 301,302, <u>463</u> , and 429; <u>enrollment in the certification sequence</u> ; completion of at least 50 percent of the credits in a State-accredited science major; and submission of scores on the New York State <u>ALST</u> examination to the <u>School</u> of Education Office.
Credits	4
Hours	<u>4</u>
Liberal Arts	[] Yes [X] 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
--	--

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

First, we updated the field hours requirement to the description for consistency across the programs. Second, we are removing and replacing an outdated prerequisite course with the current one; and updating the description with the new certification exam. Finally, adjustments are also needed for the lecture and lab components of each method course to realign the learning goals to meet new certification requirements.

5. **Date of departmental approval:** March 17, 2016

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

DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION

CURRICULUM CHANGE

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

2. **From:**

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 302
Course Title	Social Foundations of Education: A Multicultural Perspective.
Description	<i>3 hours, 3 credits.</i> Study of the historical development of education and schools within the context of various communities and families. Emphasis on the school as a sociocultural institution: issues of equity and bias, and the contributions of the major racial and ethnic groups, especially in the multicultural schools of New York City. Presentation of relevant technology and software; special student populations included. Note: requires 45 hours of supervised fieldwork.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] 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
--	--

3. **To:** Underline the changes

Department(s)	Middle and High School Education
Career	<input checked="" type="checkbox"/> Undergraduate [] Graduate
Academic Level	<input checked="" type="checkbox"/> Regular [] Compensatory [] Developmental [] Remedial
Subject Area	Middle and High School Education
Course Prefix & Number	ESC 302
Course Title	Social Foundations of Education: A Multicultural Perspective.
Description	<i>3 hours, 3 credits.</i> Study of the historical development of education and schools within the context of various communities and families. Emphasis on the school as a sociocultural institution: issues of equity and bias, and the contributions of the major racial and ethnic groups, especially in the multicultural schools of New York City. Presentation of relevant technology and software; special student populations included. Note: requires <u>20</u> hours of supervised fieldwork.
Pre/ Co Requisites	
Credits	3
Hours	3
Liberal Arts	[] Yes [X] 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

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

We are redistributing the field hours component across the certification program for consistency.

5. **Date of departmental approval:** March 17, 2016