

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

**DEPARTMENT OF MIDDLE AND HIGH SCHOOL EDUCATION**

**CURRICULUM CHANGE**

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

2.

Department(s)	Middle and High School Education
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Secondary Education
Course Prefix & Number	ESC 772
Course Title	Project-based Learning in the Middle School STEM Classroom
Description	Examination of the process of integrating technology, engineering and mathematics with science content in the middle school science classroom. Emphasis on design, development, and delivery of project-based learning activities consistent with current science learning and content standards; practical strategies for understanding and managing STEM classrooms.
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

	____ Scientific World
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3. **Rationale:** This course will supply graduate science education majors with practical applications of STEM in the context of NGSS and the classroom. Students are trained in the principles and logistics of project-based learning through immersion in STEM learning sequences that combine science content, technology integration, engineering design and relevant mathematics. This course strengthens the degree program by preparing teachers for the adoption of NGSS and other science learning standards in NY State.

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

- Recognize the key elements of STEM in the context of instruction
- Develop two (2) project-based learning sequences containing direct instruction and the integration of technology, engineering design and mathematics
- Demonstrate the synthesis of STEM in instruction in real time by leading the class through a custom project-based learning sequence
- Develop formative and summative assessments to measure students learning.

5. **Date of Departmental Approval:** February 5, 2015

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CURRICULUM CHANGE

Name of Program and Degree Award: M.A. Program in Social Studies Education

Hegis Number: 2201.01

Program Code: 25794

Effective Term: Fall 2015

1. **Type of Change:** *Admissions criteria; addition of two new sequences to a program*

2. **From:**

~~To be eligible for the Master of Arts degree in Social Studies, students must successively complete the following 39-42 credit sequence:~~

~~I. Content Core~~

~~Students must satisfy the following required areas of study. These requirements may be met by either graduate courses or by undergraduate coursework taken prior to or after commencement of graduate study. Undergraduate transcripts will be evaluated on an individual basis as part of the admissions process. Lehman undergraduates can satisfy these requirements prior to admission in the master's program by choosing courses for their distribution requirements in the areas listed.~~

- ~~▪ Anthropology~~
- ~~▪ Sociology~~
- ~~▪ Geography~~
- ~~▪ Political science~~
- ~~▪ Economics~~
- ~~▪ Psychology~~
- ~~▪ Two history survey courses, one in U.S. history and one in European or world history.~~

~~History courses (15 credits)~~

~~All students must take: HIU 534 and HIW 533. The remaining 9 credits to be chosen in consultation with the Program Adviser.~~

~~II. Pedagogical Core. A total of 21 graduate credits (or equivalent) in the following sequences:~~

~~**12 credits in General Education sequence:**~~

~~ESC 501 (3): Psychological Foundations of Education.~~

~~ESC 502 (3): Historical Foundations of Education: A Multicultural Perspective.~~

~~ESC 506 (3) or the equivalent (3): Special Needs Education in TESOL and Secondary Settings.~~

~~ESC 529 (3): Language, Literacy and Educational Technology.~~

**9 credits in the Social Studies Education sequence:**

~~(Candidates must have submitted passing scores to the Program Coordinator from the Assessment of Literacy Skills Test (ALST) prior to enrolling in ESC 533: Teaching World History in Middle and High School and/or ESC 534: Teaching U.S. History and Government.)~~

~~ESC 533 (3): Teaching World History in Middle and High School.~~

~~ESC 534 (3): Teaching U.S. History and Government.~~

~~ESC 708 (3): Project Seminar in Curriculum, Materials, and Assessment in Specialized Areas.~~

~~Successfully complete a culminating project in ESC 708. See Program Coordinator for culminating project requirements.~~

**III. Practicum**

~~Candidates must obtain a B or better in each methods course as well as have passed the remaining certification examinations to be eligible to enroll in ESC 595 and ESC 612 OR ESC 596 and ESC 611.~~

~~ESC 595 (2): Internship in Classroom Teaching and ESC 611 (1): Teaching Seminar OR ESC 596 (3): Student Teaching in Middle and High School (1 full-time semester supervised student teaching) and ESC 612 (3): Student Teaching Seminar.~~

~~To graduate, students must complete all degree requirements, including educational core courses, and any additional requirements including pedagogical, content area and/or distribution courses with an overall GPA of 3.0 or better.~~

**3. To:**

This program offers three sequences and is designed for candidates seeking a Master's degree in Social Studies Education, grades 7-12. Sequences 1 and 2 lead to Initial Certification for candidates looking to begin or resume an education certification progression. Sequence 3 is for candidates who already earned Initial Certification and are seeking Professional Certification.

**Social Studies Education Admission Requirements:**

- Possess a bachelor's degree or equivalent from an accredited college or university. The bachelor's degree can be in history, any social science, or include an undergraduate record of 30 social studies credits with a minimum of 21 of the credits in history, and the remainder from the social sciences.
- A bachelor's degree with a minimum cumulative grade point average of 3.0 in the undergraduate work.
- If conditionally accepted, must earn minimum 3.0 in courses designated by the Program Coordinator.
- Submit scores on the New York State Academic Literacy Skills Test (ALST).
- If conditionally accepted, meet conditions, starting in the first semester and finishing in no more than three consecutive semesters.

- For Sequence 2, present evidence of meeting core requirements in educational psychology, educational foundations, literacy, technology, and special education, including supervised field experiences.
- For Sequence 3, present evidence of NYS teacher certification in Social Studies Education 7-12.
- Evidence of having completed a course in Special Education (ESC 463 or the equivalent). Students who have not taken this course as an undergraduate must take ESC 506 as part of their graduate program.
- Candidates must schedule an interview with the Social Studies Program Coordinator that includes a transcript review.
- Two letters of recommendation.
- 500-word application essay on interest in the program as it relates to long-term career goals.

### **Degree Requirements**

#### Prerequisite Content Core:

All candidates must satisfy the following prerequisite areas of study. These requirements may be met by either graduate courses or by undergraduate coursework taken prior to or after commencement of graduate study. Undergraduate transcripts will be evaluated on an individual basis as part of the admissions process. Lehman undergraduates can satisfy these requirements prior to admission in the master's program by choosing courses for their distribution requirements in the areas listed.

- Anthropology
- Sociology
- Geography
- Political science
- Economics
- Psychology
- Two history survey courses, one in U.S. history and one in European or world history.

#### Sequence 1: (39-42 credits)

Candidates with an undergraduate degree in history, any of the social sciences or a 30 credit concentration in social studies who lack core education requirements and seek initial certification in Social Studies Education grades 7-12.

- Foundations Core (12 credits): ESC 501 (3), ESC 502 (3), ESC 529 (3) and ESC 506(3).
- Pedagogical Core (6 credits): ESC 533 (3) and ESC 534 (3).
- Content Core (15 credits): HIW 533 (3), HIU 534 (3), and three additional history or social science courses chosen in consultation with the adviser.
- Project Seminar (3 credits): ESC 708 (3)
- Student Teaching (6 credits): ESC 596 (3) and ESC 612 (3) or Teaching Internship for Current Teachers-of-Record (3 credits): ESC 595 (2) and ESC 611 (1)

#### Sequence 2 (30 credits)

Candidates seeking initial certification who have met foundations core requirements.

- Pedagogical Core (6 credits): ESC 533 (3) and ESC 534 (3).
- Content Core (15 credits): HIW 533 (3), HIU 534 (3), and three additional history or social science courses chosen in consultation with the adviser.
- Project Seminar (3 credits): ESC 708 (3)
- Student Teaching (6 credits): ESC 596 (3) and ESC 612 (3)

Sequence 3 (30 credits)

Candidates who already hold initial certification in Social Studies Education grades 7-12 and are seeking professional certification with a humanities focus.

- Pedagogical Core (12 credits): four ESC teaching methods courses chosen in consultation with the adviser.
- Content Core (15 credits): HIW 533 (3), HIU 534 (3), and three additional history or social science courses chosen in consultation with the adviser.
- Project Seminar (3 credits): ESC 708 (3)

Additional Certification Requirements:

In order to be recommended for initial certification in Social Studies Education 7-12, students must: (a) complete the master's degree with a cumulative index of 3.0 or better; (b) present passing scores on the following New York State examinations: Academic Literacy Skills Test (ALST), Educating All Students (EAS), Teacher Performance Assessment (edTPA), and Social Studies CST; (c) complete the mandatory training in child abuse identification and reporting, violence prevention, and DASA, and (d) demonstrate successful completion of a liberal arts and sciences core. Please see adviser for more information.

In order to qualify for Professional Certification in Social Studies Education 7-12, in addition to the Master's degree, teachers must complete one year of mentored, full-time teaching and two years of full-time teaching in a public or private school, which serves grades 7- 12, and must meet any additional New York State requirements.

Qualified Social Studies Education 7-12 candidates may also apply to one of the following Advanced Certificates:

- (1) Teaching English to Speakers of Other Languages (TESOL P-12), and become ESOL-certified upon successful completion of that program of study or the Advanced Certificate;
- (2) Advanced Certificate: Middle Childhood Extension, Grades 5-6, and extend their certification to the lower grades; or
- (3) Advanced Certificate: Bilingual Extension, and become certified to teach social studies in the native language as well as English.

#### **4. Rationale:**

The proposed changes address the current needs of our applicants as well as the NYC public schools. They include a small addition to the admission criteria together with two additional certification sequences.

We propose a minor change to the admission criteria allowing an additional option with students possessing a 30-credit concentration in social studies including 21 credits in history. Many of our candidates come with strong social science backgrounds, which will serve them well as social studies teachers. Also, this change reflects the same policy as some of our competitors.

Next, we created two additional sequences in the program. Sequence 1 is the current program. Sequence 2 allows students to complete the Middle and High School minor at the undergraduate level and then transition to finish the certification sequence at the Master's level. This change serves two purposes: First, students struggling with the new certification exams will have additional opportunities to strengthen their content and skills. Second, this opens the certification sequence to all social science majors at Lehman College making the program more inclusive.

Sequence 3 introduces an advanced program for candidates already holding 7-12 Social Studies Certification. Lately, we have seen a surge of interest in this type of sequence because New York State requires a Master's degree for professional certification.

And lastly, candidates may also earn additional certifications in ESOL, Middle School, and Bilingual extensions while completing the degree. These will make our candidates more marketable as well as serving the needs of the local schools.

5. **Date of departmental approval:** February 5, 2015