

EASTERN UNIVERSITY  
Loeb School of Education  
**Post-Baccalaureate Middle Level Certification**

**Description of the New Program**

The Commonwealth of Pennsylvania is dropping Elementary Education (K-6) as a certificate and replacing it with Early Childhood Education (Age 3-Grade 4) and a new certificate Middle Level Education (Grades 4-8).

**Middle Level Concentration for Mathematics and a  
Dual Option with Science**

Loeb School of Education  
Eastern University  
Submitted by Douglas K. Mountz, Ed. D.  
December 15, 2010

The Pennsylvania Department of Education, in its publication, *THE FRAMEWORK FOR GRADES 4-8 PROGRAM GUIDELINES*, establishes guidelines (now to be regarded as suggestions) for the development of courses of Middle Level concentration. The two options provided include:

Option #1: **One concentration** and **three generalist (Focus)** academic content areas.

Option#2: **Concentration in two content areas** and **two generalist (Focus)** academic content areas.

The following options proposal that would exhibit these suggested guidelines have been approved by the School of Education and the various academic departments of Eastern University.

**Middle Level Certification**

**Please Note:** Courses may be waived for certain undergraduate and graduate courses listed below, pending the examination of official transcripts in the development of an individualized program of study toward certification.

**Education Courses:**

EDU 501	Issues in Special Education (Includes 20 hours of observation – Stage 1 & 2)	3
EDU 539	Pre-Adolescent / Adolescent Development	3
EDU 511	Learning and Cognition	3
EDU 550	Field Experience (Includes 150 hours of Stage 3 observation & participation)	3
EDU 571	Methods of Teaching Math & Science	3
EDU 572	Methods of Teaching Language Arts & Social Studies	3
EDU 682	Evaluation & Assessment of Students in Inclusive Classrooms	3
EDU 684	Inclusive Education (Includes 20 hours of observation – Stage 1 & 2) with F.E.	3
EDU 512	Teaching ESL	3
EDU 610	Student Teaching (12 weeks full time in a classroom – Stage 4 observation)	<u>6</u>
<b>Total MIDDLE LEVEL Certification</b>		<b>33 credits</b>

## Attention students who wish to complete a post-baccalaureate degree.

In addition to completing the **Education Courses** requirements for **4-8 Middle Level Certification** found on **page 1**, a student may wish to consider the additional courses required to obtain a:

### Master of Education in Multicultural Education

The following courses are required to attain this degree.

EDU 500	Philosophy of Education	3
EDU 517	Multicultural Education	3
EDU 521	Statistics	3
EDU 535	Urban Education <b><u>OR</u></b> EDU 545 Education in a Global Context	3
EDU 635	Research Design	3

## Required Courses for Certification

### Option #1 –Mathematics Concentration with Generalist Focuses in English/Reading, Science, and Social Studies (40-41 credits)

**Please Note:** Courses may be waived for certain undergraduate and graduate courses listed below, pending the examination of official transcripts in the development of an individualized program of study toward certification.

#### Concentration in Mathematics (18 credits)

One course in Math Perspectives for Middle School or equivalent	3
Any five college level math courses	15

#### Focus in English/Reading (9 credits)

EDU 601 Literacy Foundations for the Intermediate Grades	3
Any two English classes (1 writing, 1 literature)	6

#### Focus in Science (7-8 credits)

One course from any <b>two</b> areas listed below ( <b>minimum 1 lab course</b> )	7-8
<b>Science Requirement Areas</b> (Appropriate for 4-8 Middle Level and above)	
Physical Sciences [physics, chemistry, physical science]	
Life Sciences [biology, zoology, botany]	
Earth/Space Sciences [geology, oceanography, meteorology, astronomy]	
Environmental Sciences [ecology, ecosystems, resource management, agriculture]	
Human Health Sciences [anatomy, physiology, health and wellness]	

#### Focus in Social Studies (6 credits)

One course in American History (or equivalent)	3
Any one course in the Social Studies including: political science, geography, economics, anthropology, sociology, or psychology	3

## **Option #2 – Dual Concentration in Mathematics and Science with Generalist Focuses in English/Reading and Social Studies (35-36 credits)**

**Please Note:** Courses may be waived for certain undergraduate and graduate courses listed below, pending the examination of official transcripts in the development of an individualized program of study toward certification.

### **Concentration in Science (11-12 credits)**

One course from any <b>three</b> areas listed below ( <b>minimum 2 lab courses</b> )	11-12
<b>Science Requirement Areas</b> (Appropriate for 4-8 Middle Level and above)	
Physical Sciences	[physics, chemistry, physical science]
Life Sciences	[biology, zoology, botany]
Earth/Space Sciences	[geology, oceanography, meteorology, astronomy]
Environmental Sciences	[ecology, ecosystems, resource management, agriculture]
Human Health Sciences	[anatomy, physiology, health and wellness]

### **Concentration Mathematics (9 credits)**

One course in Math Perspectives for Middle School (or equivalent)	3
Any 2 courses in college level math	6

### **Focus in English/Reading (9 credits)**

EDU 601 Literacy Foundations for the Intermediate Grades	3
Any 2 English courses (1 writing, 1 literature)	6

### **Focus in Social Studies (6 credits)**

One course in American History (or equivalent),	3
Any one course in the Social Studies including: political science, geography, economics, anthropology, sociology, or psychology	3