

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 Science and a
Dual Option with Mathematics**

Loeb School of Education
Eastern University
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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>
Total MIDDLE LEVEL Certification		33 credits

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**, students 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 <u>OR</u> EDU 545 Education in a Global Context	3
EDU 635	Research Design	3

Required Courses for Certification

Option #1 –Science Concentration with Generalist Focuses in English/Reading, Mathematics, and Social Studies (39-41 credits)

Concentration in Science (18-20 credits)

One from each of five areas listed below (**minimum 3 lab courses**)

Science Requirement Areas	(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 English/Reading (9 credits)

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

Focus in Mathematics (6 credits)

One course in Math Perspectives for Middle School or equivalent	3
Any one college level math course	3

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 **three** areas listed below (**minimum 2 lab courses**) 11-12

Science Requirement Areas (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