



Math Education

For those who do not hold a valid NYS Initial Teacher Certificate in Mathematics (grades 7-12) and are seeking the Master of Education as well as a recommendation for the Initial Teacher Certificate in Mathematics (grades 7-12 with grades 5-6 extension). Completion of this master's degree also leads to a recommendation for the Professional Teacher Certificate in Mathematics (grades 7-12) and the Professional Extension in Mathematics (grades 5-6). See GSE website for additional requirements.

Name: _____

Person Number: _____

II. Initial and Professional Certification/Master of Education (Grades 7-12, 5-6 extension)

	Date*	Credit	Grade
LAI 414/514 Adolescent Writing Across Curriculum ** (Formerly <i>Language, Cognition, and Writing</i>)	Sum/Fall/Spr	3	
LAI 552 Middle Childhood-Adolescent Literacy Methods	Sum/Fall/Spr	3	
CEP 400/501 Psychological Foundations of Education**	Fall	3	
ELP 405/548/585 Foundations of Education**	Fall	3	
LAI 618 Methods of Teaching Mathematics (Grades 5-12)	Fall	3	
LAI 667 Field Experience	Fall	3	
LAI 698 Instructional Strategies in Secondary Schools	Fall	3	
LAI 674 Seminar in Teaching	Spr	3	
LAI 668 Supervised Teaching I	Spr	3	
LAI 595 Supervised Teaching II	Spr	6	
MATHEMATICS ELECTIVES (Select 6 credits from the following)			
LAI 544 Teaching of AP Calculus (<i>May also use as Math Ed elective</i>)		3	
LAI 545 Problem Solving & Posing in Mathematics (<i>May also use as Math Ed elective</i>)		3	
LAI 643 School Math Advanced Standpoint 1 ***		3	
LAI 644 School Math Advanced Standpoint 2 ***		3	
LAI 645 School Math Advanced Standpoint 3 ***		3	
LAI 647 School Math Advanced Standpoint 4 ***		3	
LAI xxx Teaching & Learning of AP Statistics (<i>May also use as Math Ed elective</i>)		3	
Any graduate level course (500 or above) in the Department of Mathematics		3-6	
Other electives with advisor approval		3	
MATHEMATICS EDUCATION ELECTIVES (Select 9 credits from the following)			
LAI 527 Teaching Mathematics: Early Childhood		3	
LAI 540 Improving Instruction in Elementary Math		3	
LAI 541 Mathematics Instruction Seminar		3	
LAI 542 Enrichment Topics, Elem & Middle School Math		3	
LAI 543 Implications of the History of Mathematics		3	
LAI 546 Teaching & Learning of Algebra		3	
LAI 547 Assessment of Math Performance & Understanding		3	
LAI 553 Technology in Secondary School Math Education		3	
LAI xxx Teaching & Learning of Geometry		3	
LAI xxx Teaching & Learning of Rational Numbers & Proportional Reasoning		3	
Other electives with advisor approval		3	
ELECTIVES (Select 6-9 credits from the Math Ed or Math Elective lists above)			
		3	
		3	
		3	
CAPSTONE EVENT (Select one of the following three options)			
Comprehensive Exam		0	
LAI 700 Project OR LAI 701 Thesis		3-6	
TOTAL CREDITS		57	

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Math Education - Initial and Professional Certification/Master of Education (Grades 7-12, 5-6 extension)

* Reflects past history of course offerings. Date of course offerings subject to change.

** Undergraduate coursework (LAI 414, CEP 400, ELP 405) is only applicable if completed as a UB undergraduate student.

*** LAI 643, LAI 644, LAI 645, and LAI 647 may be taken in any order.

Students who successfully complete the program will be awarded an Ed.M. degree from the University at Buffalo (successful completion includes individual program course grades of B- or higher and an overall GPA of at least 3.0; as well as successful completion of any applicable conditions of admission and/or any applicable conditions of continued enrollment; also see GSE Policies and Procedures for additional requirements).

Please note the following:

GSE Application to Candidacy Form:

Upon successful completion of 42 to 45 credits in the Ed.M. program, submit a completed *GSE Application to Candidacy* form to LAI (505 Baldy Hall). The form must include your advisor's signature. The *Application to Candidacy* form can be found on the Graduate School of Education's website (www.gse.buffalo.edu). The form is also available in the wall pockets outside of 505 Baldy Hall.

Apply for Graduation via the HUB Student Center:

Notify the University of your expected conferral (graduation) date via the HUB Student Center. The "apply for graduation" link is on the "My Academics" tab.

If you plan to graduate on:	File your application via the HUB by:
Graduation Term: Spring (June 1)	February 15
Graduation Term: Summer (September 1)	June 15
Graduation Term: Fall (February 1)	September 15

Note: Should you miss the above deadline, you will need to apply for the next conferral (graduation) date.

Applying For Teacher Certification:

To apply for issuance of an Initial and/or Professional Teacher Certificate from the New York State Education Department, students must successfully complete the above program, meet all applicable prerequisite distribution requirements, as well as any other requirements specified at the point of admission or thereafter, and submit an application for certification. For information regarding the teacher certification application process, go to the GSE website (www.gse.buffalo.edu), select the "Current Students" link, then the "Forms & Checklists" link, and then scroll to the section labeled Teacher Certification Application Instructions and select the appropriate document(s). If you have questions about the certification application process, please contact the Teacher Education Institute (716-645-2461).