

PROGRAM (SM2).

(NYS program code: 25018B; HEGIS #: 1701.01; ISIS code: SM2)

M.S. in Adolescence Education: Mathematics

(for current teachers)

(for teachers with initial certification in Middle Childhood Education as Specialist in Mathematics)

Leads to the following NYS certification(s):

- **Adolescence Education (Grades 7-12) as specialist in mathematics (Initial + Professional)**
- **Professional Certification in the original area**
(30 credits of coursework + 2 credits of field experiences)

Program of study

Whenever there is an option, please circle your choice. Also indicate the academic year and semester in which you plan to take each course, or whether you already took it as part of your previous certification (in which case you can either transfer it into your program – for a maximum of 10 credits for courses taken at the graduate level – or substitute it with an elective if the course was taken at the undergraduate level or the maximum of transfer credits has already been reached):

Course #	Course Title	Credits	Semester(s) Offered	To be taken in (fill in)
	<i>Masters' Core:</i>			
ED 406	Masters' Research Methods	3	Su, F, Sp	
EDU442 OR: ED 404	Race, Class, Gender & Disability in American Education OR: Teaching, Curriculum and Change	3	Su, Sp Su, F, Sp	
	<i>Specialization Courses:</i>			
ED 415	Adolescent Development & Youth Culture (10-20 years) <i>(or elective if already taken)</i>	3	Su, F	
EDU436	Theory & Practice in Teaching & Learning Mathematics <i>(or elective if already taken)</i>	3	F	
EDU444	Implementing Innovation in Mathematics Education <i>(or elective if already taken)</i>	3	Sp	
EDU483	Integrating Mathematics & Technology OR: Technology - rich math course	3	Su (odd)	
	<i>Electives:</i>			
		3		
		3		
		3		
		3		
	<i>Field-based Courses:</i>			
EDF 416 OR: EDF 417	Field Experiences in Secondary School OR: Field Experiences in Inclusive Secondary School Settings	2	F	
	<i>Master's Essay</i>	0		

Sample program A -- full-time student starting in Summer

(Eliminate or substitute with an elective any course you already took in a previous program)

Summer 1:

- Adolescent Development & Youth Culture OR: Elective 1 (*3 credits*)
- Integrating Mathematics & Technology (*Summer/odd*) (*take the following summer if not offered*) OR: Technology-rich math course (*3 credits*)

Fall 1:

- Elective 1 OR: Adolescent Development & Youth Culture (*3 credits*)
- Elective 2 (*3 credits*)
- Elective 3 (*3 credits*)
- Theory and Practice in Teaching and Learning Mathematics (*3 credits*)
- Field Experiences in Secondary School OR: Field Experiences in Inclusive Secondary School Settings (*2 credits*)

Spring 1:

- Masters' Research Methods (*3 credits*)
- Implementing Innovation in Mathematics Education (*3 credits*)
- Race, Class, Gender and Disability in American Education OR: Teaching, Curriculum and Change (*3 credits*)
- Elective 4 (*3 credits*)
- Master's Essay (*0 credits*)

Sample program B -- part-time student starting in Fall and taking 2 courses per semester

(Eliminate or substitute with an elective any course you already took in a previous program)

Fall 1:

- Theory and Practice in Teaching and Learning Mathematics *(3 credits)*
- Field Experiences in Secondary School OR: Field Experiences in Inclusive Secondary School Settings *(2 credits)*

Spring 1:

- Implementing Innovation in Mathematics Education *(3 credits)*
- Masters' Research Methods *(3 credits)*

Summer 2:

- Integrating Mathematics & Technology *(Summer/odd)* OR: Adolescent Development and Youth Culture *(3 credits)*
- Elective 1 *(3 credits)*

Fall 2:

- Elective 2 *(3 credits)*
- Elective 3 *(3 credits)*

Spring 2:

- Race, Class, Gender and Disability in American Education OR: Teaching, Curriculum and Change *(3 credits)*
- Master's Essay *(0 credits)*

Summer 3:

- Adolescent Development and Youth Culture OR: Integrating Mathematics & Technology *(Summer/odd)* *(3 credits)*
- Elective 4 *(3 credits)*