

PROGRAM (e).

(Biology: NYS program code: 25021C; HEGIS #: 0401.01; ISIS code: SB3)

(Chemistry: NYS program code: 25022C; HEGIS #: 1905.00; ISIS code: SK3)

(Physics: NYS program code: 25023C; HEGIS #: 1902.00; ISIS code: SP3)

(Earth Science: NYS program code: 25024C; HEGIS #: 1917.00; ISIS code: SZ3)

M.S. in Adolescence Education: Biology/ Chemistry/ Physics/ or Earth Science (for current teachers including extension to grades 5-6)

Leads to the following NYS certification(s):

- **Adolescence Education (Grades 7-12) as a specialist in biology/ chemistry/ physics/ or earth science (Initial + Professional)**
- **Extension to teach biology/ chemistry/ physics/ or earth science in grades 5-6**
- **Professional Certification in the original**

(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)
	Masters' Core:			
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	
	Specialization Courses:			
ED 415	Adolescent Development & Youth Culture (10-20 years) <i>(or elective if already taken)</i>	3	Su, F	
EDU434	Theory & Practice in Teaching & Learning Science	3	F	
EDU448	Implementing Innovation in Science Education	3	Sp	
EDU486	Integrating Science & Technology OR: Technology -rich science course	3	Su (even)	
EDU429	Theory & Practice in Teaching & Learning Science in Elementary School	3	Sp	
ED 446 OR: EDU 427*	Collaborative Teaching Partnerships in Inclusive Classrooms OR: Theory & Practice in Teaching & Learning Literacy in Elementary School	3	Su F	
	Electives:			
		3		
		3		
	Field-based Courses:			
EDF 416 OR: EDF 417	Field Experiences in Secondary School OR: Field Experiences in Inclusive Secondary School Settings	2	F	
	Master's Essay	0		

** If EDU427 is chosen, then one of the electives must be EDU498 – Literacy Learning as Social Practice*

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:

- Collaborative Teaching Partnerships in Inclusive Classrooms (*Summer*) OR: Theory and Practice in the Teaching and Learning of Literacy in Elementary School (*Fall*) (*3 credits*)
- Teaching, Curriculum and Change OR: Race, Class, Gender and Disability in American Education (*3 credits*)
- Integrating Science & Technology (*Summer/even*) (*take the following summer if not offered*) (*3 credits*)

Fall 1:

- Adolescent Development & Youth Culture (*3 credits*)
- Theory and Practice in Teaching and Learning Literacy in Elementary School (*Fall*) OR: Collaborative Teaching Partnerships in Inclusive Classrooms (*Summer*) (*3 credits*)
- Theory and Practice in Teaching and Learning Science (*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 Science Education (*3 credits*)
- Elective 1 (*3 credits*)
- Theory and Practice in Teaching and Learning Science in Elementary School (*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 Science (*3 credits*)
- Field Experiences in Secondary School OR: Field Experiences in Inclusive Secondary School Settings (*2 credits*)

Spring 1:

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

Summer 2:

- Integrating Science & Technology (*Summer/even*) OR: Adolescent Development and Youth Culture (*3 credits*)
- Collaborative Teaching Partnerships in Inclusive Classrooms (*Summer*) OR: Theory and Practice in Teaching and Learning Literacy in Elementary School (*Fall*) (*3 credits*)

Fall 2:

- Theory and Practice in Teaching and Learning Literacy in Elementary School (*Fall*) OR: Collaborative Teaching Partnerships in Inclusive Classrooms (*Summer*) (*3 credits*)
- Elective 1 (*3 credits*)

Spring 2:

- Theory & Practice in Teaching & Learning Science in Elementary School (*3 credits*)
- Race, Class, Gender and Disability in American Education OR: Teaching, Curriculum and Change (*3 credits*)
- Master's Essay (*0 credits*)

Summer 3:

- Adolescence Development and Youth Culture OR: Integrating Science & Technology (*Summer/even*) (*3 credits*)
- Elective 2 (*3 credits*)