

DEPARTMENT OF EDUCATION AND HUMAN DEVELOPMENT

(585) 395-2205

Chairperson: Sue Novinger, PhD, University of Missouri-Columbia; Distinguished Service Professor: Betsy Ann Balzano, PhD, Florida State University; Professor: Thomas R. Giblin, EdD, University of Florida; Associate Professors: Mary Corey, PhD, University of Rochester; Moira Fallon, PhD, University of New Mexico; Conrad Van Voorst, EdD, Vanderbilt University; Peter Veronesi, PhD, University of Iowa; Assistant Professors: Jeremy Browne, PhD, Brigham Young University; Donald Halquist, MA, University of New Mexico; Eun-Joo Kim, PhD, University of Georgia; Holly Manaseri, MS, Syracuse University; Janka Szilagyi, PhD, University at Buffalo; Jill Zarazinski, MS, University of Buffalo. Lecturers: Kathleen Cali, MS, University of North Carolina-Chapel Hill; Annette Hauenstein, CAS, MEd, SUNY College at Brockport; Frank Rossi, EdD, SUNY College at Geneseo; Director of Field Experience and Certification: Diane Maurer, MEd, SUNY College at Buffalo; Assistant Coordinator of Field Experience: Michelle Mitchell, MA, Arizona State University; Coordinator for Certification and Graduate Advisement: Vacant at time of publication; Coordinator for Undergraduate Certification Programs: Nancy Di Pasquale, MS, SUNY College at Buffalo.

Department Programs – Overview

The Department of Education and Human Development currently offers MS in Education options for three groups of students:

- those who hold a valid provisional or initial certificate, and seek permanent or professional certification in the same title area;
- those who hold a valid provisional or initial certificate, and seek an additional initial/professional certificate in Literacy Birth - Grade 6 or Bilingual Education; and
- those who have no certification, and seek the initial/professional certifications in an adolescence title area.

Professional Education Programs (33-36 credits)

The department's 33- and 36-credit programs are designed for those students who already possess provisional or initial certification, usually in the area in which the degree is being sought (see section on Admission Requirements for exceptions). These programs provide the master's degree that is required in New York state for permanent or professional certification. Please note that there are additional New York state requirements for permanent and professional certification, including teaching experience and testing requirements (permanent only).

The Department of Education and Human Development currently offers the following 33- and 36-credit programs:

33-Credit

- Adolescence English
- Adolescence Mathematics
- Adolescence Science
- Adolescence Social Studies
- Bilingual Education
- Childhood Curriculum Specialist

36-Credit

- Childhood Literacy

Collaborative Internship Master's Program (CIMP)

This program is a variation on the Childhood Curriculum Specialist program and offers teachers with provisional or initial certification the opportunity to learn the philosophy, curriculum, and instructional practices of a school district while simultaneously engaging in teaching AND full-time graduate study. Interns are selected from recommended program applicants in cooperation with the participating school district(s). The program is an academic yearlong program in which interns have a 15 clock-hour per week teaching responsibility. (However, interns do not displace faculty members.) The remaining time is devoted to formal graduate study that culminates in the master's degree. Selected interns receive tuition support, which is dependent on grant funding. Notification of CIMP acceptance is usually given in late spring.

Applications for the CIMP program may be requested either from the Office of Graduate Admissions, (585) 395-5465, at the time a College application for graduate study is requested, or from the department's graduate secretary at (585) 395-5060.

Alternate Adolescence Inclusive Education Programs (60 credits)

The 60-credit alternate adolescence inclusive programs lead to a Master of Science in Education and are specifically designed for those who do not possess any certification and who have little or no professional education background. These programs lead to initial certification and also provide the master's degree that is required in New York state for professional certification. Please note that there are additional New York state requirements for professional certification, including teaching experience. (Please contact the Office of Teacher Certification at SUNY Brockport, your local BOCES, or the New York State Department of Education for additional certification information.)

The Department of Education and Human Development currently offers the following 60-credit alternate programs. All are in the area of adolescence education (grades 7-12) and each includes dual certification in Students with Disabilities (grades 7-12) and an extension to middle childhood education (grades 5-6) certification:

- Alternate Adolescence English Inclusive Education
- Alternate Adolescence Mathematics Inclusive Education
- Alternate Adolescence Science (biology, chemistry, earth science, or physics) Inclusive Education
- Alternate Adolescence Social Studies Inclusive Education

Please note that SUNY Brockport does not currently offer a graduate program leading to initial Childhood Education Grades 1-6 certification.

APPLICATION GUIDELINES

Application packets may be obtained from the Office of Graduate Admissions in Morgan Hall. Applicants should be certain to indicate the program for which they are applying.

As part of the self-managed application process, applicants must submit:

- official transcripts of all graduate and undergraduate work completed;
- three professional (not personal) recommendations from those who know of the applicant's aptitude for teaching, ability to relate to children, and ability to successfully do graduate level work;
- a statement of objectives on the applicant's reasons and fitness for teaching and for pursuing graduate education; and
- a copy of the applicant's NYS teaching certificate or a letter from the applicant's college certification officer or BOCES Regional Certification Officer attesting to his/her eligibility for the certificate (33-36 credit program applicants only).

In addition to the materials submitted as part of the self-managed application, all programs in the Department of Education and Human Development may require an interview. If selected for an interview, applicants will be contacted within a few weeks after the application deadline to schedule the interview. Applicants selected for an interview that do not participate in the interview process, will not be considered for program admission.

The deadlines for submission of the application, with all required information, are September 15 (for spring matriculation) and February 15 (for summer/fall matriculation). Please note that the Childhood Literacy Program has only one deadline per calendar year — February 15.

Normally, within 3-4 weeks of the deadlines stated above, the faculty reviews the applications and makes admission recommendations. By the end of the month following the application deadline, applicants are notified by letter as to the admission decision.

Applicants who are recommended for admission must then attend an orientation session and meet with a designated advisor to complete a Plan of Study (POS). Only after the Plan of Study has been accepted will the admission recommendation be forwarded to the Office of Graduate Admissions. Only a letter from the Office of Graduate Admissions constitutes an official offer of admission. Applicants are not officially admitted until they return the *Reply Form* that accompanies the offer of admission. Once applicants accept the offer of admission and the *Reply Form* is received, they may register as matriculated students.

ADMISSION REQUIREMENTS

Admission to degree programs in Education and Human Development is highly competitive. There is not space to accommodate all qualified applicants in most programs; therefore, all qualified persons may not be accepted.

All applicants must have a baccalaureate degree from an accredited institution (see pg. 23 for further details). Normally, an undergraduate GPA of 3.0 or higher is required. Applicants with a GPA below 3.0 must thoroughly address that issue upon application.

Professional or Second Initial Education Programs (33-36 Credit)

With three exceptions, students applying for a 33- or 36-credit program must hold provisional or initial certification in the area for which the application is being made. The exceptions are:

- The Bilingual Program will consider applicants with certification in subject areas other than foreign languages, who wish to obtain the Bilingual Extension Certificate. (See list of appropriate certifications under the section entitled “Bilingual Program”)
- The Childhood Literacy Program requires provisional certification in PreK-6 or initial certification in either Early Childhood Education Birth-Grade 2 or Childhood Education Grades 1-6.
- The Childhood Education Curriculum Specialist Program will consider applicants holding the initial Early Childhood Birth-Grade 2 certificate for the purpose of attaining the NYS Professional Early Childhood Birth-Grade 2 certificate by direct state application.

Alternate Adolescence Inclusive Education Programs (60-Credit)

In addition to a baccalaureate degree with a GPA of 3.0 or higher, all post-baccalaureate and 60-credit alternate programs require applicants to have completed a course in adolescent psychology (equivalent to PSH 484 at Brockport) and personal health (equivalent to HLS 301 or PRO 370 at Brockport).

Students applying for the 60-credit Alternate Adolescence Inclusive Education Program should be aware that a major or 30 credits in the content area is also required for program acceptance.

Acceptable majors for state certification and SUNY Brockport programs include:

- English,
- mathematics,
- sciences (biology, chemistry, earth science and physics), and
- social studies (history, or see section below).

Below are listed the academic requirements for non-majors to qualify for each of the Alternate Adolescence Inclusive Education Programs offered by the Department of Education and Human Development.

English

Courses offered by an English department as core requirements for a degree are acceptable. For example, courses in composition, English literature, poetry, playwriting, grammar and English linguistics are acceptable. A maximum of six credits for study in related areas such as speech, drama, theater, and journalism may be allowed toward the 30-credit requirement for study in English.

Mathematics*

Courses offered by a mathematics department that are considered core requirements toward a degree in mathematics are typically acceptable. For example, courses in mathematical reasoning, quantitative methods, number theory and concepts, algebra, analytic geometry, calculus, geometry, trigonometry, data analysis, probability, statistics and discrete mathematics are acceptable. Statistics courses that are offered by another department are also acceptable. Only those computer courses that involve using computers to solve mathematical problems are acceptable. Courses in computer science, accounting, finance and courses in which mathematics is applied to solving problems other than those that are purely mathematical are *not* acceptable.

Science*

Biology - Courses in scientific methods, cell biology, biochemistry, anatomy and physiology, comparative anatomy, genetics and evolution, biological diversity, human biology and human ecology are acceptable. Courses in nutrition are acceptable only if they are in cell nutrition.

Chemistry - Courses in scientific methods, matter and atomic structure, energy, chemical bonds and molecular structure, chemical reactions and quantitative relations are acceptable. Courses in geochemistry are generally applied science courses and, therefore, **not** acceptable.

Earth science - Courses in scientific methods, space systems, atmospheric systems, geological systems and water systems are acceptable. Courses in engineering and geophysics are generally applied science courses and, therefore, **not** acceptable.

Physics - Courses in scientific methods, mechanics and heat, electricity and magnetism, waves, sound and light, and quantum theory and the atom are acceptable. Courses in engineering and geophysics are generally applied science courses and, therefore, **not** acceptable. Astronomy courses are acceptable only if the primary focus is on the mathematics of gravitational attraction between astral bodies.

- SUNY College at Brockport, following state regulations, requires a total of 18 credits in at least two additional science areas to recommend students for the General Science Extension certificate.

Social Studies

Courses in US and world history and geography, economics, government, political science, anthropology and sociology are acceptable. SUNY Brockport, following state regulations, requires a minimum of 21 credits in history and 3 credits in government, economics and geography for program acceptance.

* Individuals applying to the 60-credit Alternate Adolescence Inclusive Education Programs in Mathematics or Science, who possess an engineering or similarly technical degree, must provide a State Education Department (SED) or Board of Cooperative Educational Services (BOCES) written evaluation of the academic content area as part of the application process. To acquire the evaluation the individual must actually apply for the certificate through the BOCES office.

Please note that applicants with foreign credentials must obtain a review of credentials/transcripts from the New York State Education Department prior to application. This is necessary to determine if minimum content area requirements have been met.

DEGREE AND RELATED POLICIES

All courses taken must be part of the approved Plan of Study. At least 15 credits must be taken at the 600 or higher course level. A grade of "B-" or better is required in all program courses used to meet initial state certification requirements. A minimum 3.0 cumulative GPA is required for graduation.

All students in a degree program offered by the Department of Education and Human Development must successfully complete a culminating experience—an approved thesis, project, analytical review of the literature or seminar portfolio. The culminating experience is planned in consultation with a faculty member(s) and is included as one of the final courses leading to the MSED degree.

Previous Course Credit

Credit for courses taken before matriculation may be approved if a grade of "B" or better has been earned and if the courses are appropriate for the course of study pursued. Such retroactive credit will not exceed 12 credits, with no more than nine allowed from course work completed at SUNY Brockport in non-degree status prior to matriculation. Normally, courses older than five years will not be considered. A maximum of only six credits will be accepted from any other graduate level program leading to provisional or initial certification.

Please note that courses taken prior to matriculation will not automatically be accepted as part of the graduate program regardless of where or when the courses were taken. Thus, it is in the applicant's best interest to seek admission prior to taking courses.

Requirements for Retention in Program

Students must make satisfactory progress toward meeting degree requirements in order to maintain their matriculated status. The following requirements must be satisfied:

- Students must follow the approved Plan of Study. The planned program must reflect a schedule that allows completion of all degree requirements within five years from the date of matriculation.
- Since a minimum 3.0 GPA is required for graduation, students are expected to maintain a 3.0 GPA during all semesters. Grade point averages will be monitored after the completion of nine or more graduate credits. Matriculated graduate students whose cumulative GPA falls below 3.0 will be placed on academic probation. Students will receive written notification of their probationary status from the Office of Graduate Studies.
- Continuous progress in a program means that a minimum of one course must be taken each calendar year. College policy provides that students who do not maintain such continuous enrollment will be dematriculated.

CHILDHOOD EDUCATION PROGRAMS (33-36 credits)

MS in Education: Childhood Education Curriculum Specialist

The Childhood Education Curriculum Specialist Program meets the degree requirements for NYS Professional Childhood Education Grades 1-6, Early Childhood Birth-Grade 2*, or NYS Permanent PreK-6 certification.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further information) with a minimum GPA of 3.0 on a 4.0 scale.
2. Valid NYS initial Childhood Education Grades 1-6, initial Early Childhood Birth-Grade 2*, or provisional PreK-6 certification.

II. Required Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 703 Seminar in Childhood Education	3
2. Curriculum Concentration**	
At least one course in each of the following areas (selected with advisement):	
a) science or teaching of science	3
b) mathematics or teaching of mathematics	3
c) language arts or teaching of language arts	3
d) social science or teaching of social studies	3
3. Guided Electives (selected with advisement)	9

Minimum Total: **33**

* Please note that completion of this program does not lead to an extension or additional certification in Childhood Education Grades 1-6 for those holding the initial Early Childhood Birth-Grade 2 Certification upon program entrance.

** Students holding certification in Early Childhood are strongly encouraged to complete pedagogy course work under the curriculum concentration.

MS in Education: Childhood Literacy

The Childhood Literacy Program can be completed only with part-time study over a minimum of two years. Students are admitted during the spring application period and begin the program in the summer. The degree leads to New York State (NYS) certification as a Literacy Birth-Grade 6 teacher. It will also meet the state’s permanent/professional certification education requirement for teachers with provisional/initial certification.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale. (Please note: Applicants must complete all requirements for the baccalaureate degree by the May commencement at their college or university to be eligible for summer matriculation at SUNY Brockport. Applicants who are accepted and fail to graduate from the undergraduate program in May are not eligible to begin the program. Such applicants may request to begin the program the following summer. Applicants expecting to complete their baccalaureate degree in the summer or fall semesters should apply for matriculation in the following summer.)
2. Valid NYS provisional PreK-6 certification or initial certification in Childhood Education Grades 1-6 or Early Childhood Education Birth-Grade 2. This should include six credits in literacy (reading) education. (Please note: Applicants must complete all requirements for the NYS teaching certificate prior to matriculation and provide proof of certification or eligibility for certificate.)

II. Required Courses

	Credits
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 634 Teaching Reading to the Child with Special Needs	3
EDI 730 Literacy Assessment	3
EDI 731 Advanced Developmental Literacy Instruction	3
EDI 732 Clinical Diagnosis	3
EDI 735 Emergent Language and Literacy	3
EDI 736 Literacy Seminar II	3
EDI 738 Reading and Writing in the Content Areas	3
EDI 739 Language Arts in Literacy Instruction	3
EDI 740 Literacy Practicum I	3
EDI 741 Literacy Practicum II	3

Minimum Total: 36

BILINGUAL EDUCATION PROGRAM (33 credits)

MS in Education: Bilingual Education (Spanish)

The Bilingual Program meets the academic requirements for the professional extension certificate in bilingual education except for those certified in a foreign language. This master's degree program will meet the professional or permanent certification education requirement for the existing certifications held by those eligible for program participation.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale.
2. Valid NYS certification in one of the following areas:
 - ← initial Early Childhood Birth-Grade 2
 - ← initial Childhood Education Grades 1-6
 - ← initial adolescence, any content area 7-12 (other than foreign language)
 - ← provisional PreK-6, or
 - ← provisional secondary, any content area 7-12 (other than foreign language)
3. Demonstrated proficiency in Spanish at the advanced level. An oral proficiency interview may be required of some applicants. If required, the Department of Foreign Languages and Literatures, (585) 395-2269, will contact the applicant to schedule the interview.

II. Required Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 722 Seminar in Bilingual Education	3
2. Professional Education	
EDI 628 TESOL: Materials and Techniques	3
EDI 521 Methods for Teaching the Bilingual Child	3
EDI 612 Bilingual Methods of Teaching Content	3
3. Liberal Arts	
FCE 520 Multiculturalism in the USA	3
FCE 526 Foundations of Bilingual Education	3
SPN 560 Spanish Phonology	3
OR	
SPN 561 Advanced Spanish Grammar	
SPN 563 Linguistics and SLA	3
	<hr/>
Minimum Total:	33

ADOLESCENCE EDUCATION PROGRAMS (33 credits)

MS in Education: Adolescence English

This program meets the professional or permanent certification education requirement for adolescence or secondary English education.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum 3.0 GPA on a 4.0 scale.
2. Valid NYS initial or provisional certification in English 7-12.

II. Program Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 791 Seminar in English Education	3
2. Professional Education	
EDI 647 Teaching Reading, Writing, & Literature	3
EDI 678 Issues in English Education	3
3. Liberal Arts, by advisement (<u>for example</u>):	
ENL 581 English Grammar	3
ENL 584 Young Adult Literature	3
ENL 632 Studies in American Literature Before 1870	3
ENL 636 Studies in American Literature 1870-1920	3
3. Elective	3

Minimum Total: 33

MS in Education: Adolescence Mathematics

This program meets the professional or permanent certification education requirement for adolescence or secondary mathematics education.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale.
2. Valid NYS initial or provisional certification in Mathematics 7-12.

II. Program Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 792 Seminar in Mathematics Education	3
2. Professional Education	
EDI 622 Advanced Adol. Curr: Mathematics	3
EDI 686 Problems in Mathematics Education	3
3. Liberal Arts, by advisement (<u>for example</u>):	
MTH 551 Applied Calculus	3
MTH 555 Differential Equations	3
MTH 612 History of Contemporary Mathematics	3
MTH 621 Algebra	3
4. Elective	3

Minimum Total: 33

MS in Education: Adolescence Science

This program meets the professional or permanent certification degree requirements for 7-12 biology, chemistry, earth science or physics.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale.
2. Valid NYS initial or provisional certification in Biology 7-12, Chemistry 7-12, Earth Science 7-12, or Physics 7-12.

II. Program Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 793 Seminar in Science Education	3
2. Professional Education	
EDI 617 Adv. Methods Teaching Science	3
EDI 623 Reading Research in Science Education	3
3. Liberal Arts	12
Selection of appropriate graduate science courses in BIO, CHM, ESC, GEL, NAS or LST <u>by advisement</u>	
4. Elective	3

Minimum Total: 33

MS in Education: Adolescence Social Studies

This program meets the professional or permanent certification education requirement for adolescence or secondary social studies education.

I. Prerequisites

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale.
2. Valid NYS initial or provisional certification in Social Studies 7-12.

II. Program Courses

	Credits
1. Core Courses	
EDI 600 Understanding Educational Research	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 794 Seminar in Social Studies Education	3
2. Professional Education	
EDI 670 Issues in Social Studies Education	3
EDI 674 Applied History Seminar	3
3. Liberal Arts by advisement (<u>for example</u>):	
HST 501 American History Topics	3
HST 511 History of New York State	3
HST 601 Topics in American History	3
HST 602 Topics in World History	3
4. Elective	3

Minimum Total: 33

ALTERNATE ADOLESCENCE INCLUSIVE EDUCATION PROGRAMS (60 credits)

Purpose and Academic Eligibility

These programs were developed for persons with a baccalaureate degree who do not hold initial certification and wish to obtain NYS initial and professional certifications in students with disabilities for a content area (grades 7-12) and the middle childhood (grades 5-6) extension certificate.

Prerequisites for Admission to an Alternate Adolescence Inclusive Education Program:

1. A baccalaureate degree from an accredited four-year college or university (see pg. 23 for further details) with a minimum GPA of 3.0 on a 4.0 scale.
2. An academic major in the program discipline or equivalent (30 credits in the discipline) as previously described.
3. Satisfactory completion, with a grade of B or better, of a course in adolescent psychology (equivalent to PSH 484 at Brockport).
4. Satisfactory completion, with a grade of B or better, of a course in personal health [equivalent to HLS 301(3 cr.) or PRO 370 (1 cr.) at Brockport].

Additional Certification Requirements

The College endorsements of the candidate's applications for certificates are made only after program completion and the awarding of the Master of Science in Education. Candidates are not eligible for the College endorsements for certification prior to program completion.

The following NYS initial certification requirements are not included in the alternate master's program:

- one college level course in a language other than English (American Sign Language is acceptable) with a minimum grade of "C" , an 85 or higher on the high school regents exam for a language other than English, or the equivalent (determined by a placement examination);
- successful completion of four state teacher certification examinations (including the LAST, ATS-W and appropriate Content Specialty Tests in the content area and Students with Disabilities);
- state mandated fingerprinting;
- Identification and Reporting of Child Abuse and Maltreatment workshop; and
- School Violence Prevention Training workshop (also known as SAVE training).

Alternate Programs and Professional Certification

As mentioned earlier, completion of the MS in Education satisfies the academic requirement for a NYS professional certificate--the final certificate in the licensure process. While the student will qualify for the professional certificate endorsement upon program completion, he/she may still have the three-year teaching requirements to fulfill.

Alternate Adolescence English Inclusive Education

Initial and Professional Certificates:

- Students with Disabilities English Language Arts 7-12
- English Language Arts 5-6 Extension

Please refer to the section on Admission Requirements and all introductory program information at the beginning of this section.

Required Courses

1. Initial Sequence		
Phase I		
EDI 513 Introduction to Special Education		3
EDI 531 Language Skills I		3
EDI 545 Inclusive Teaching Middle Level English*		3
Phase II		
EDI 530 Education and Society		3
EDI 532 Language Skills II		3
EDI 565 Teaching English Inclusively*		3
Phase III		
EDI 514 Special Education Methods*		3
EDI 519 Special Education Assessment		3
Phase IV		
EDI 575 Practicum (Student Teaching with Seminar)		9
2. Core Courses		
EDI 600 Understanding Educational Research**		3
EDI 601 Diversity in Education		3
EDI 603 Educational Assessment and Evaluation		3
EDI 791 Seminar in English Education**		3
3. Professional Education		
EDI 647 Teaching Reading, Writing, & Literature**		3
EDI 678 Issues in English Education**		3
4. Liberal Arts, by advisement (for example):		
ENL 525 Contemporary British Writers		3
ENL 543 Contemporary American Poetry		3
ENL 584 Young Adult Literature		3
		<hr/>
	Minimum Total:	60

* Courses incorporating major experiential requirements

** Must be taken after practicum

Alternate Adolescence Mathematics Inclusive Education

Initial and Professional Certificates:

- Students with Disabilities Mathematics 7-12
- Mathematics 5-6 Extension

Please refer to the section on Admission Requirements and all introductory program information at the beginning of this section.

Required Courses

1.	1.	Initial Sequence	
		Phase I	
		EDI 513 Introduction to Special Education	3
		EDI 531 Language Skills I	3
		EDI 546 Inclusive Teaching Middle Level Mathematics*	3
		Phase II	
		EDI 530 Education and Society	3
		EDI 532 Language Skills II	3
		EDI 566 Teaching Mathematics Inclusively*	3
		Phase III	
		EDI 514 Special Education Methods*	3
		EDI 519 Special Education Assessment	3
		Phase IV	
		EDI 575 Practicum (Student Teaching with Seminar)	9
2.		Core Courses	
		EDI 600 Understanding Educational Research**	3
		EDI 601 Diversity in Education	3
		EDI 603 Educational Assessment and Evaluation	3
		EDI 792 Seminar in Mathematics Education**	3
3.		Professional Education	
		EDI 622 Advanced Adolescence Curriculum: Math**	3
		EDI 686 Issues in Adolescent Mathematics**	3
4.		Liberal Arts, by advisement (<u>for example</u>):	
		MTH 512 History of Mathematics	3
		MTH 551 Applied Calculus	3
		MTH 555 Differential Equations	3
			<hr/>
		Minimum Total:	60

* Courses incorporating major experiential requirements

** Must be taken after practicum

Alternate Adolescence Science Inclusive Education

Initial and Professional Certificates:

- Students with Disabilities Biology, Chemistry, Earth Science or Physics 7-12
- Biology, Chemistry, Earth Science or Physics 5-6 Extension
- General Science 7-12 Extension
- General Science 5-6 Extension

Please refer to the section on Admission Requirements and all introductory program information at the beginning of this section.

Required Courses	Credits
1. Initial Sequence	
Phase I	
EDI 513 Introduction to Special Education	3
EDI 531 Language Skills I	3
EDI 547 Inclusive Teaching Middle Level Science*	3
Phase II	
EDI 530 Education and Society	3
EDI 532 Language Skills II	3
EDI 567 Teaching Science Inclusively*	3
Phase III	
EDI 514 Special Education Methods*	3
EDI 519 Special Education Assessment	3
Phase IV	
EDI 575 Practicum (Student Teaching with Seminar)	9
2. Core Courses	
EDI 600 Understanding Educational Research**	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 793 Seminar in Science Education**	3
3. Professional Education	
EDI 617 Advanced Methods in Teaching Science **	3
EDI 623 Reading Research in Science**	3
4. Liberal Arts	9
Selection of appropriate graduate science courses in BIO, CHM, ESC, GEL, NAS or LST <u>by advisement</u>	
Minimum Total:	60

* Courses incorporating major experiential requirements

** Must be taken after practicum

Alternate Adolescence Social Studies Inclusive Education

Initial and Professional Certificates:

- Students with Disabilities Social Studies 7-12
- Social Studies 5-6 Extension

Please refer to the section on Admission Requirements and all introductory program information at the beginning of this section.

Required Courses	Credits
1. Initial Sequence	
Phase I	
EDI 513 Introduction to Special Education	3
EDI 531 Language Skills I	3
EDI 548 Inclusive Teaching Middle Level Social Studies*	3
Phase II	
EDI 530 Education and Society	3
EDI 532 Language Skills II	3
EDI 568 Teaching Social Studies Inclusively*	3
Phase III	
EDI 514 Special Education Methods*	3
EDI 519 Special Education Assessment	3
Phase IV	
EDI 575 Practicum (Student Teaching with Seminar)	9
2. Core Courses	
EDI 600 Understanding Educational Research**	3
EDI 601 Diversity in Education	3
EDI 603 Educational Assessment and Evaluation	3
EDI 794 Seminar in Social Studies Education**	3
3. Professional Education	
EDI 670 Issues In Social Studies Education**	3
EDI 674 Applied History Seminar**	3
4. Liberal Arts, by advisement (for example):	
HST 501 American History Topics	3
HST 511 History of New York State	3
HST 521 America since 1929	3
	<hr/>
Minimum Total:	60

* Courses incorporating major experiential requirements

** Must be taken after practicum

Program Notes Applicable to the Alternate Adolescence Inclusive Education Programs

- Students must be matriculated in an appropriate program prior to registering for program courses.
- The Initial Sequence must be completed in the order given.
- All requirements of Phases I-III must be completed prior to the practicum semester.
- A total of 150 clock hours of documented experience with middle childhood and adolescent students is required in these programs. Each phase requires 50 hours of field experience. Please note that the College will secure all field experience placements.