

Childhood Ed Grades 1-6

Students successfully completing all requirements, including their course requirements, clinical requirements, New York State Teacher Exams, and the Child Abuse and Neglect Reporting Workshop, the SAVE Workshop, and the DASA workshop, will be recommended for New York State initial certification.

All future Childhood Education teachers are required to successfully complete a concentration of at least 30 credits in one of the following areas:

- Biology**
- Chemistry**
- English**
- General Science**
- Mathematics**
- Psychology**
- Social Studies**
- Spanish & Latin American Studies**

Childhood Education (Grades 1-6) Plan of Study

First Year

Fall	Credits	Spring	Credits
EDUC 201		3 EDUC 318	3
KIN 110		3 ENGL 110	3
LANGUAGE 1		3 LANGUAGE 2	3
MATH 221		3 MATH 222	3
RELS 110		3 HIST 206 or 207	3
	15		15

Second Year

Fall	Credits	Spring	Credits
EDUC 303		3 EDUC 301	3
EDUC 353		3 EDUC 354	3
RELS 200-Level Course		3 Concentration Two	3
Concentration One		3 Concentration Three	3
BIOL 103		2 English Lit. Elective	3
BIOL 183		1	
	15		15

Third Year

Fall	Credits	Spring	Credits
EDUC 311		3 EDUC 402	3
EDUC 401		3 Concentration Six	3
Concentration Four		3 Concentration Seven	3
Concentration Five		3 Concentration Eight	3
SPCH 204		3 Science Elective	3
		15	15

Fourth Year

Fall	Credits	Spring	Credits
EDUC 357		3 EDUC 406	3
EDUC 408		3 Concentration Nine	3
EDUC 418		3 Concentration Ten	3
EDUC 438		3 Social Science (ECON/POSC/ PSYC/SOC)	3
Fine Arts Elective		3 RELS 300-Level Course	3
KIN 209	1		
		16	15

Total Credits: 121

Note: This progression is not applicable to all programs. Each student receives a specific program plan based on his or her selected academic concentration.

Chemistry and Math concentrations require students to also take Math 185 and Math 186.

**Dual-Childhood and Students with Disabilities
(Grades 1-6)
Plan of Study**

First Year

Fall	Credits	Spring	Credits
EDUC 201		3 EDUC 318	3
KIN 110		3 ENGL 110	3
Language 1		3 Language 2	3
MATH 221		3 MATH 222	3
RELS 110		3 HIST 206 or 207	3
		15	15

Second Year

Fall	Credits	Spring	Credits
EDUC 303		3 EDUC 301	3
EDUC 353		3 EDUC 354	3
Concentration One		3 Concentration Two	3
RELS 200-Level Course		3 Concentration Three	3

BIOL 103	2 ENGL Literature Elective	3
BIOL 183	1	
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		15
		15

Third Year

Fall	Credits	Spring	Credits
EDUC 311		3 EDUC 356	3
EDUC 355		3 EDUC 402	3
EDUC 401		3 Concentration Six	3
Concentration Four		3 Concentration Seven	3
Concentration Five		3 Concentration Eight	3
SPCH 204		3 Science Elective	3
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		18	18

Fourth Year

Fall	Credits	Spring	Credits
EDUC 357		3 EDUC 406	3
EDUC 408		3 Concentration Nine	3
EDUC 418 or 444		3 Concentration Ten	3
EDUC 438 or 446		3 Social Science (ECON/POSC/ PSYC/SOC)	3
Fine Arts Elective		3 RELS 300-Level Course	3
KIN 209		1	
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		16	15

Total Credits: 127

Note: This progression is not applicable to all programs. Each student receives a specific program plan based on his or her selected academic concentration.

Chemistry and Math concentrations require students to also take Math 185 and Math 186.

INFORMATION ABOUT CONCENTRATIONS

BIOLOGY

BIOL 111	General Biology I	3
BIOL 191	General Biology I Lab	1
BIOL 112	General Biology II	3
BIOL 192	General Biology II Lab	1
BIOL 217	Genetics	3
BIOL 297	Genetics Lab	1
BIOL 225	Microbiology	3
BIOL 295	Microbiology Lab	1

BIOL 301	Comparative Chordate Anatomy	3
BIOL 391	Molecular Cell Biology Lab	1
BIOL 302	Developmental Biology	3
BIOL 382	Developmental Biology Lab	1
KIN 309	Anatomical Kinesiology	2
BIOL 320	Animal Physiology	3
BIOL 390	Animal Physiology Laboratory	1
Total Credits		30

CHEMISTRY

CHEM 101	General Chemistry I	3
CHEM 103	General Chemistry Laboratory I	1
CHEM 102	General Chemistry II	3
CHEM 104	General Chemistry Laboratory II	1
CHEM 302	Analytical Chemistry	5
CHEM 309	Physical Chemistry I	3
CHEM 310	Physical Chemistry II	3
CHEM 319	Organic Chemistry I	3
CHEM 311	Physical Chemistry Laboratory	2
CHEM 320	Organic Chemistry II	3
CHEM 323	Organic Chemistry Laboratory I	2
CHEM 324	Organic Chemistry Laboratory II	2
CHEM 335	Inorganic Chemistry	3
Total Credits		34

ENGLISH

ENGL 306	Introduction to Literary Study	3
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Three courses (9 credits) at the 300- or 400-level from "Literary History and National Traditions," one from each of the three literary periods listed.

One course from three of the remaining four categories (9 credits): "Theory, Media, and Praxis"; "Writing"; "Genre and Author Studies"; and "Global and Cultural Perspectives"

3 additional 300- or 400-level courses (9 credits)

Total credits		30
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Additional details about elective options for Education majors will be found in the English section (<http://catalog.manhattan.edu/undergraduate/artsandscience/ewol/>) of this catalog.

GENERAL SCIENCE

BIOL 111	General Biology I	3
BIOL 191	General Biology I Lab	1
SCI 201	Introduction Astronomy	3
SCI 202	Introduction Geology	3
BIOL 112	General Biology II	3
BIOL 192	General Biology II Lab	1
CHEM 101	General Chemistry I	3
CHEM 103	General Chemistry Laboratory I	1
CHEM 102	General Chemistry II	3
CHEM 104	General Chemistry Laboratory II	1
Physics Electives		6
SCI Elective		3
Total Credits		31

Note: General Science majors do not take BIOL 103 or BIOL 183.

MATHEMATICS

MATH 100	Pre-Calculus Mathematics *	4
MATH 185	Calculus I	4
MATH 186	Calculus II	4
MATH 243	Foundations for Higher Mathematics	3
MATH 327	Fundamental Concepts of Childhood Mathematics	3
MATH 230	Elementary Statistics	3
or MATH 336	Applied Statistics	
Choose three from the following:		
MATH 157	Foundations of Data Science	3
MATH 285	Calculus III	4
MATH 328	Fundamental Concepts of Secondary Mathematics	3
MATH 361	Introduction to Higher Geometry	3
MATH 372	Linear Algebra I	3
Total Credits:		30-31

**A student who places out of MATH 100 must take an additional elective.*

PSYCHOLOGY

PSYC 203	Introduction to Psychology	3
PSYC 214	Statistics and Research Methods I	3
PSYC 314	Statistics and Research Methods II	3
PSYC 310	Psychology of Developmental Disorders and Delays	3
PSYC 321	Social Psychology	3
PSYC 333	Motivation and Emotion	3
PSYC 340	Cognition and Learning	3
PSYC 421	Psychopathology	3
Choose two from the following:		
PSYC 345	Psychology of Childhood	3
PSYC 346	Psychology of Adolescence	3
PSYC 347	Theories of Personality	3
PSYC 435	Behavioral Neuroscience	3
PSYC 467	Sensation and Perception	3
Total Credits:		30

SOCIAL STUDIES

HIST 206	United States Through 1876	3
or HIST 207	United States Since 1876	
HIST 217	World History to 1600	3
HIST 218	World History Since 1600	3
POSC 203	United States Government and Politics	3
One World History Elective *		3
300-level History Electives *		9
ECON, POSC, or SOC Electives *		6
Total Credits		30

*Electives chosen in consultation with Social Studies concentration advisor.

SPANISH and LATIN AMERICAN STUDIES

Two 200-level courses *		6
SPAN 307	Advanced Grammar	3
or SPAN 308	Spanish Translation	
SPAN 317	Topics in Hispanic Literature	3
SPAN 340	Spanish Civilization	3
SPAN 341	Spanish American Civilization	3
Two courses at the 400-level		6
Spanish Electives **		6
Total Credits		30

*If placed at this level by Spanish concentration advisor

**Electives chosen in consultation with Spanish concentration advisor. 12 credits of electives are required if student places out of 200-level courses.

EXTENSIONS

Early Childhood Extension (birth through grade two)

This extension requires an additional 6 credits earned in the following courses:

EDUC 440	Education of the Young Child	3
EDUC 442	Early Childhood Student Teaching	3

EDUC 440 requires 50 field hours evenly split between the different levels of early childhood education. EDUC 442 requires 20 full days of field experience. Additionally, one of the student's student teaching placements must be in a grade 1 or 2 classroom setting.

Note: Please refer to the college's billing policy on overcredit tuition charges if the downward extension results in a credit load that exceeds the maximum allotment allowed under the full-time tuition charge.

Middle School Extension (Grades 5-9)

This extension is available for students with concentrations in Biology, Chemistry, English, General Science, Mathematics, Social Studies, and Spanish. This extension requires an additional 6 credits earned in two of the following courses:

EDUC 375	Theoretical Foundations of Teaching and Learning in the Middle School Grades 7-9	3
And one of the following based on concentration area:		
EDUC 376	Curriculum and Methods of Teaching English Grades 7-12	3
EDUC 377	Curriculum and Methods of Teaching Social Studies Grades 7-12	3

EDUC 378	Curriculum and Methods of Teaching Mathematics Grades 7-12	3
EDUC 379	Curriculum and Methods of Teaching Foreign Language Grades 7-12	3
EDUC 380	Curriculum and Methods of Teaching Science Grades 7-12	3

EDUC 375 requires 30 field hours in a middle school. The Curriculum and Methods of Teaching course requires 30 field hours in a middle school in the student's concentration area.

Note: Please refer to the college's billing policy on overcredit tuition charges if the upward extension results in a credit load that exceeds the maximum allotment allowed under the full-time tuition charge.

Five-year Program Childhood Education B.S./Students with Disabilities M.S.Ed (Grades 1-6)

This Five-Year program is designed for the undergraduate student seeking an accelerated path to initial certification at the undergraduate level in Childhood Education and Master's level certification in Students with Disabilities Grades 1-6.

Students who complete the first semester of sophomore year with a cumulative index of 3.00 or better and grades of B or better in all Education courses may apply for admission into the five year B.S./M.S. Ed. program. Upon satisfactory completion of specific program requirements, and successful completion of the New York State Educating All Students test (EAS) and required CST exams, students will be recommended for initial certification.

Students complete the required sequence of undergraduate courses during freshman, sophomore, junior and senior year. In the fourth year, they also complete 12 graduate credits, and do not enroll in EDUC 357, EDUC 406, and EDUC 408. In the fifth year, students complete 24 graduate credits. Five-year participants complete an internship in a Special Education setting for 70 full days during the Spring semester of the fifth year. Twelve credits need to be completed in a content area that covers Math, Science, Social Studies and Language Arts. Six credits of these content required courses may be taken in the Fourth Year.

The BS/MSED program is 124 to 130 credits for the undergraduate program and 148 to 154 credits total with the 5th year.

Fourth Year of Undergraduate Program for students enrolled in Five-year Program:

Fourth Year

Fall	Credits	Spring	Credits
EDUG 733		3 EDUG 713	3
EDUG 781		3 EDUG 766	3

EDUC 418	3 Concentration Nine	3
EDUC 438	3 Concentration Ten	3
Fine Arts Elective	3 Social Science (ECON/POSC/ PSYC/SOC)	3
KIN 209	1 RELS 300-Level Course	3
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	16	18

Total Credits: 34

Total EDUG Credits during Fourth Year: 12

Please see the Graduate Education (<http://catalog.manhattan.edu/graduate/artsandscience/educsped/>) pages for more information.

Note: This is the general plan for Five-Year: Childhood/Special Education, each student receives a specific program plan based on his/her selected academic concentration.

Academic Concentrations available with the Five-Year Program are the same as listed with Childhood Education.

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