# Childhood Ed Grades 1-6

Dr. Tracy Lahey  
Chair of the Department

Students successfully completing all requirements will be recommended for New York State initial certification.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 221 (Fall)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>3</td>
</tr>
<tr>
<td>HIST 207 or 206*</td>
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</tr>
<tr>
<td>LANG 1 and 2</td>
<td>6</td>
</tr>
<tr>
<td>KIN 110</td>
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</tr>
<tr>
<td>RELS 110</td>
<td>3</td>
</tr>
<tr>
<td>MATH 222 (Spring)</td>
<td>3</td>
</tr>
<tr>
<td>SCI 240</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 201 (Spring)</td>
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</tr>
<tr>
<td>Social Science or Social Studies (econ/govt./psych/soc)</td>
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<table>
<thead>
<tr>
<th>Second Year</th>
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<tbody>
<tr>
<td>EDUC 301</td>
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<tr>
<td>EDUC 311</td>
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<tr>
<td>EDUC 318 (Fall)</td>
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<tr>
<td>EDUC 353, 401, 402, or 354 (Spring)</td>
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</tr>
<tr>
<td>EDUC 303</td>
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</tr>
<tr>
<td>Concentration</td>
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</tr>
<tr>
<td>BIOL 103 &amp; BIOL 104</td>
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</tr>
<tr>
<td>SCI 242</td>
<td>3</td>
</tr>
<tr>
<td>Religion Elective 200 - level</td>
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<td></td>
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<table>
<thead>
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<th>Third Year</th>
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<tr>
<td>EDUC 354</td>
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<td>Fine Arts Elective</td>
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<tr>
<td>EDUC 401</td>
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<tr>
<td>EDUC 402</td>
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<td>EDUC 408</td>
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<tr>
<td>Concentration</td>
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<tr>
<td>English Elective</td>
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Fourth Year  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDUC 357</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 406</td>
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</tr>
<tr>
<td>EDUC 418</td>
<td>3</td>
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<tr>
<td>EDUC 438</td>
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<tr>
<td>KIN 209</td>
<td>1</td>
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<tr>
<td>RELS Global/Contemporary Concentration</td>
<td>3</td>
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<tr>
<td></td>
<td>9</td>
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</table>

**Total Credits: 33**

This progression is not applicable to all programs.

**INFORMATION ABOUT CONCENTRATIONS**

**BIOLOGY***

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 111</td>
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<tr>
<td>BIOL 113</td>
<td>0</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 114</td>
<td>0</td>
</tr>
<tr>
<td>BIOL 217</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 301</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 302</td>
<td>4</td>
</tr>
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<td>BIOL 319</td>
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<td>KIN 309</td>
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<tr>
<td>BIOL 320</td>
<td>4</td>
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<tr>
<td>One Biology Elective</td>
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**Total Credits: 37**

**CHEMISTRY***

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 101</td>
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</tr>
<tr>
<td>CHEM 102</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 319</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 323</td>
<td>2</td>
</tr>
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<td>CHEM 320</td>
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<tr>
<td>CHEM 324</td>
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<tr>
<td>CHEM 302</td>
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<tr>
<td>CHEM 309</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 311</td>
<td>2</td>
</tr>
</tbody>
</table>
CHEM 310  Physical Chemistry II  3
CHEM 335  Inorganic Chemistry  3
MATH 185  Calculus I  3
MATH 186  Calculus II  3

Total Credits  38

ENGLISH*
ENGL 306  Introduction to Literary Study (One course from "Literary History and National Traditions (any period))  3

For full concentration (30 credits):

English Concentration Electives:
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), including one labeled "Sophomore/Junior research seminar."

Total: 30 credits

For general studies (15 credits):

One course from "Literary History and National Traditions (any period) - 3 credits

Three additional 300- or 400-level courses, from at least two of the remaining categories - 9 credits

Total: 15 Credits

Additional details about elective options for Education majors will be found in the English section of this catalog.

FRENCH*

Two 200-level courses  6
FREN 301  Advanced French Conversation and Phonetics  3
or FREN 307  Advanced Grammar and Composition  3

Five Courses in French at the 300-400 level (Chair approval)  15
Choose two courses from the following: FREN 303, FREN 340, FREN 341, FREN 342, FREN 350, FREN 351  6
30 Credits of French  30

GENERAL SCIENCE**

BIOL 111  General Biology I  4
BIOL 113  General Biology I Laboratory  0
SCI 201  Introduction Astronomy  3
BIOL 112  General Biology II  4
BIOL 114  General Biology II Laboratory  0
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 202  Introduction Geology  3
Science Elective (above 200-level)  6

**Total Credits**  34

** Upward certification in General Science has additional requirements beyond the six credits required in other areas.

Note: General Science majors do not take BIOL 103 or 104.

**MATHEMATICS**

MATH 321  Fundamental Concepts: Algebra & Number Theory  3
MATH 322  Fundamental Concepts: Geometry & Measurement  3
MATH 326  Fundamental Concepts: Discrete Math  3
MATH 155  Calculus for the Life Sciences I (Take in the fall semester of freshman year.)  3
  or MATH 185  Calculus I  3
MATH 156  Calculus for the Life Sciences II (Take in the spring semester of freshman year.)  3
  or MATH 186  Calculus II  3
MATH 243  Foundations for Higher Mathematics  3
MATH 230  Elementary Statistics  3
  or MATH 336  Applied Statistics  3
MATH 243  Foundations for Higher Mathematics  3

Choose from the following to total 30 hours
MATH 285  Calculus III  3
MATH 372  Linear Algebra I  3
MATH 286  Differential Equations  3
MATH 331  Probability  3
MATH 361  Introduction to Higher Geometry  3

Students working on this math concentration would take Calculus I and II during their freshman year.

**PSYCHOLOGY**

PSYC 203  Introduction to Psychology  3
PSYC 321  Social Psychology  3
PSYC 214  Statistics and Research Methods I  3
PSYC 314  Statistics and Research Methods II  3
PSYC 340  Cognition and Learning  3
PSYC 333  Motivation and Emotion  3
PSYC 421  Psychopathology  3
PSYC 310  Psychology of Developmental Disorders and Delays  3
PSYC Electives*  6

*For the PSYC Electives, choose two courses from the following: PSYC 302, PSYC 343, PSYC 347, PSYC 348, PSYC 316

SOCIAL STUDIES*

HIST 206  United States Through 1876  3
or HIST 207  United States Since 1876  3
HIST 217  World History to 1600  3
HIST 218  World History Since 1600  3
One World History Elective  3
Three History Electives  9
Three courses from either ECON, POLITICAL SCIENCE, or SOC  9

Total Credits  30

SPANISH*

Two 200-level courses  6
SPAN 307  Advanced Grammar  3
SPAN 340  Spanish Civilization  3
SPAN 341  Spanish American Civilization  3
SPAN 350  Masterworks in Spanish I  3
SPAN 351  Masterworks in Spanish  3
Two courses at the 400-level  6
Spanish Elective (Chair approval)  3
30 Credits of Spanish  30

* Upward certification (Grade 7-9) is available

GENERAL STUDIES

The General Studies concentration has a total of 30 credits. Students must select TWO areas of concentration and complete 15 credits in EACH area. At least one of the areas (15 credits) must be from list one: English, French, General Science, Mathematics, or Spanish. The other area of concentration (15 credits) can also be from list one or from list two: Political Science, History, Psychology, or Sociology.
CONCENTRATION COURSES FOR GENERAL STUDIES

List One:

**English includes the following 5 courses:** ENG 306, One course from "Literary History and National Traditions (any period), one 300- or 400-level course from one of the following categories: "Theory, Media, and Praxis"; "Writing"; "Genre and Author Studies"; and "Global and Cultural Perspectives", another 300- or 400-level course, from a new categories: "Theory, Media, and Praxis"; "Writing"; "Genre and Author Studies"; and "Global and Cultural Perspectives", One 300 or 400-level English course

**French includes the following 5 courses:** Two 200-level courses;Three 300-400 -level courses

**Spanish includes the following 5 courses:** Two 200-level courses;Three 300-400 -level courses

**General Science includes the following 5 courses:** SCI 201, SCI 202, SCI 221, BIO 221 (Nutrition), Science Elective (Science 210, Science 323)

**Mathematics includes the following 5 courses:** MATH 321, MATH 322, MATH 230, MATH 326, MATH 100/151/155 or 185

List Two:

**Political Science includes the following 5 courses:** POSC 201, POSC 203, POSC 205, POSC 209, POSC elective

**History includes the following 5 courses:** HIST 206 or HIST 207 (One of these will be applied as a core course.), HIST 217, HIST 218, HIST Elective (HIST 100 or a 200-level courses), HIST Elective (HIST 100 or a 200-level courses)

**Psychology includes the following 5 courses:** PSYC 203, PSYC 333 OR PSYC 340, two courses (6 credits) from the following: PSYC 214, PSYC 321, PSYC 421, PSYC 310, PSYC 333, PSYC 340, PSYC 347, and a free PSYC elective (3 credits), not allowed: PSYC 345, 346, 334, 314, or 414.

**Sociology includes the following options for the 5 courses:**

**Option 1:** Five (5) courses: SOC 201 and four (4) electives from the following options: SOC 204, SOC 209, SOC 210, SOC 302, SOC 304, SOC 308, SOC 313 and SOC 338

**Option 2:** Five (5) courses: SOC 201, two (2) courses chosen from SOC 204, SOC 209, SOC 210, and two (2) courses chosen from SOC 302, SOC 304, SOC 308, SOC 313, and SOC 338

EXTENSIONS

**Early childhood extension (birth through grade two)**

This extension requires an additional six hours earned in the following courses: EDUC 214 - Curriculum & Methods for Early Childhood Education (50 field hours required) and EDUC 215 - Internship (20 full days of field required). Please note that these hours must be evenly split between the different levels of early childhood education. In addition, one student teaching placement must be in a grade 1 or 2 classroom setting.
Upward extension

This extension requires an additional six hours earned in the following courses: Education 376-380 – Curriculum and Methods of Teaching in Grades 7-9. (30 field hours -in the candidate’s concentration area- in a middle school is required) and Education 375 – Theoretical Foundation of Teaching and Learning in the Middle School (30 field hours in a middle school is required).

Please note that to obtain teaching certification for Grades 7-9, candidates must take an additional content specialty in an appropriate subject.

Dual-Childhood/Special Education (Grades 1-6)

The Dual-Childhood/Special Education (Grades 1-6) major requires students to add an additional two courses to their selected program of study (see the description of programs above). It is recommended that students plan to take these courses during their junior year. These courses are EDUC 355: Assessment of Learning Behavior and EDUC 356: Remediation of Learning Problems.

In addition, one student teaching placement must be in a special education context, so students will take either EDUC 418: Seminar, Observation and Student Teaching in Elementary School, Grades 1-3 or EDUC 444: Seminar, Observation and Student Teaching in Special Education, Grades 1-3 AND EDUC 438: Seminar, Observation and Student Teaching in Elementary School, Grades 4-6 or EDUC 446: Seminar, Observation and Student Teaching in Special Education, Grades 4-6.

Students successfully completing all requirements will be recommended for New York State initial certification in childhood education and special education.

Dual-Childhood/Special Education majors show evidence of passing New York State exams (to be determined).

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

Academic Concentrations available with Dual Certification are the same as listed with Childhood Education.

Five-Year: Childhood/Special Education (Grades 1-6) (BS/MSED in Special Education)

Dual Certification Childhood Education/Students with Disabilities - Grades 1-6

This Five Year program is designed for the undergraduate student seeking dual certification for Childhood/Students with Disabilities Grades 1-6.

Students who complete the first semester of their junior year with a cumulative index of 3.00 or better and grades of B or better in all Education courses may apply to the Education Department for conditional acceptance into the five year BS/MS Ed program, which leads to dual certification in Childhood Education/Students with Disabilities (Grades 1-6). After completion of their junior year, candidates will apply to The Office of Graduate Admissions for formal admission. A cumulative GPA of 3.0 or better, grades of B or better
in all Education courses, an essay, and the recommendation of two faculty members is required for formal admission. Upon satisfactory completion of specific program requirements, and successful completion of the New York State Educating All Students test (EAS), edTPA and required CST exams, students will be recommended for initial certification.

Students planning to pursue the 5-year program should not take EDUC 301, EDUC 408, or EDUC 406.

**Degree Program (151/152 credits)**

Students complete the required sequence of undergraduate courses during freshman, sophomore, junior and senior year. In the fourth year they are enrolled in four graduate courses. In the Fifth year, students complete 22 graduate credits. Five year participants complete an internship in a Special Education setting full days during the Fall or 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.

**FOURTH Year - GRADUATE COURSES (12 Credits)**

EDUG 713 Methods of Educational and Psychological Research 3
EDUG 778 Nature and Needs of the Exceptional Individual 3

Two Content Courses from the list below. You must cover each of the four content areas: Social Studies, Language Arts, Math, Science (Choose one to take in your Fourth Year) 3

EDUG 785 Life Science for At Risk, English Language Learner (ELL) and Disabled Student (Grades K-8)
EDUG 768 Integrated Curriculum: Math, Science & Technology I for the At Risk, ELL and Disabled Student K-8
EDUG 775 Mathematics Instruction for At Risk, English Language Learner (ELL) and Disabled (Grades K-8)
EDUG 812 Integrated Curriculum II: Math, Sci & Tech for At Risk ELL and Disabled (Grades K-8)
EDUG 899 Physical Science for the Teacher of the At Risk and Disabled (Grades K-8)
EDUG 776 Science Instruction for the At Risk, English Language Learner [ELL] and Disabled

One of the following Social Studies or Language Arts Content courses: 3
EDUG 753 Teaching Reading in Content Areas for At Risk, English Lang
Learner(ELL) & Disabled (Grades K-12) (Social Studies and Language Arts Courses (Choose one to take in the Fourth Year))

EDUG 815 Curriculum, Assessment and Methods of Teaching English as a Second Language in General and Special Education
EDUG 754 Literature for the At Risk, (ELL) and Disabled (Grades K-8)
EDUG 766 Literacy Instruction for At Risk, English Language Learner (ELL) and Disabled Student.
EDUG 805 Integrated Learning I: Social Studies & Language Arts Instruction for the At Risk, ELL & Disabled Stu
EDUG 808 Integrated Learning II: Social Studies & Language Arts Ins for the At Risk, ELL & Disabled Student

Total Credits 12

Please see the Graduate Education pages for more information.

Five-Year Childhood/Special Education majors show evidence of passing New York State exams (to be determined).

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.

Fourth-year students in the Five-Year Program will be charged full-time undergraduate tuition, which includes payment for graduate courses in the fourth year.

Fifth-year students in the Five-Year Program will be charged graduate tuition per credit hour. Fifth year students should be aware that the College does not provide housing for graduate students and that there is very limited financial aid for graduate students.