

**CURRICULUM SUMMARY:**  
**BS Mathematics/Childhood Education**  
**Dual Certification: Childhood (1-6) / Students w/Disabilities 1-6**

Program Code/Hegis: 23660/1701.00

Cert./License: Childhood 1-6  
 Special Ed 1-6

<u>Childhood Education</u>	<u>Mathematics</u>
<p><b><u>A Total of 11 Units Required with the Following Distribution:</u></b></p> <p><b><u>Prof., Social &amp; Psyc. Foundations (3 Units)</u></b>  <i>Date:</i></p> <p><b>ED 210:</b> Foundations &amp; Principles of Education, Classrooms &amp; Teaching (30 hours of field work) _____</p> <p><b>ED 326:</b> Teaching &amp; Learning for the Inclusive Setting (30 hours of field work) _____</p> <p><b>ED 335:</b> Assessment, Evaluation and Technology in the Classroom _____</p> <p><b>Entry into Portal 2:</b> _____</p> <p><b><u>Curriculum and Strategies (5 Units)</u></b>  <i>(blocks can be in any order)</i></p> <p><b>Block 1</b></p> <p><b>ED 406:</b> Methods &amp; Curriculum Development for Inclusive Childhood Education Grades 1-3 (20 hours of field work) _____</p> <p><b>ED 414:</b> Methods &amp; Curriculum Development for Inclusive Middle Childhood Education Grades 4-8 (20 hours of field work) _____</p> <p><b>Block 2</b></p> <p><b>ED 425:</b> Theories in Language Acquisition &amp; Literacy Development (30 hours of field work in conjunction w/ED 426) _____</p> <p><b>ED 426:</b> Language Acquisition &amp; Literacy Development for Linguistically and Culturally Diverse Children _____</p> <p><b>Block 3</b></p> <p><b>ED 412:</b> Strategies for Teaching Inclusive Education (20 hours) _____</p> <p><b>Entry into Portal 3:</b> _____</p> <p><b><u>Clinical Practice (3 Units)</u></b></p> <p><b>ED 550B:</b> StuTeach Incl: Grades 1 – 4 _____</p> <p><b>ED 560B:</b> StuTeach Incl: Grades 5 – 8 _____</p> <p><b>ED 580:</b> School, Diversity &amp; Society _____</p>	<p><b><u>A Total of 10 Units Required with the Following Distribution:</u></b></p> <p><b><u>Core Requirements (6 Units):</u></b>  <i>Date:</i></p> <p><b>MA 121:</b> Analytic Geometry and Calculus I _____</p> <p><b>MA 122:</b> Analytic Geometry and Calculus II _____</p> <p><b>MA 223:</b> Analytic Geometry and Calculus III _____</p> <p><b>MA 230:</b> Discrete Mathematics _____</p> <p><b>MA 232:</b> Linear Algebra _____</p> <p><b>MA 441:</b> Modern Geometry <b>or</b></p> <p><b>MA 321:</b> Advanced Calculus <b>or</b></p> <p><b>MA 373:</b> Probability <b>or</b></p> <p><b>MA 421:</b> Topology <b>or</b></p> <p><b>MA 431:</b> Abstract Algebra I                      (if not taken as senior capstone courses)</p> <p><b><u>Senior Reflective Tutorial (1 Unit):</u></b></p> <p><b>MA 400:</b> Senior Reflective Tutorial: _____</p> <p><b><u>Senior Capstone Course (1 Unit):</u></b></p> <p><b>MA 321:</b> Advanced Calculus <b>or</b></p> <p><b>MA 373:</b> Probability <b>or</b></p> <p><b>MA 421:</b> Topology <b>or</b></p> <p><b>MA 431:</b> Abstract Algebra I</p> <p><b><u>Cognates (2 Units):</u></b></p> <p><b>CS 130:</b> Introduction to Programming _____</p> <p><b>CS 322:</b> Database Programming &amp; Connectivity _____</p>
<p><b><i>See Reverse Side for Additional Requirements</i></b></p>	

## Additional Requirements for NYSDE Certification

Students pursuing Childhood 1-6 certification in regular and special Education must successfully complete:

1. 2 sequential units of college level credit in a language other than English

Course Name/# \_\_\_\_\_ Date Completed \_\_\_\_\_

Course Name/# \_\_\_\_\_ Date Completed \_\_\_\_\_

2. ED 399: Math & Science for Childhood Education 1 Unit Date Completed \_\_\_\_\_

3. CS 322: Database Prog & Connectivity 1 Unit Date Completed \_\_\_\_\_

*(taken as a junior level learning community with ED 414)*

4. Child Abuse Seminar Date Completed \_\_\_\_\_

5. S.A.V.E. Seminar Date Completed \_\_\_\_\_

6. Four Parts of New York State Teachers Certificate Examination (NYSTCE)

a) LAST Date Passed \_\_\_\_\_

b) ATS-W Date Passed \_\_\_\_\_

c) Multi-Subject CST Date Passed \_\_\_\_\_

d) Students with Disabilities CST Date Passed \_\_\_\_\_

7. Fingerprinting Date Completed \_\_\_\_\_

### RECOMMENDED PROGRAM PROGRESSION

<u>YEAR/SEMESTER</u>	<u>COURSES</u>
*Freshman/Spring	ED 210
Sophomore/Fall	ED 326
**Sophomore/Spring	ED 335
Junior/Fall	ED 406 ED 414 CS 322
***Junior/Spring	ED 425 ED 426
****Senior/Fall	ED 412 ED 399
*****Senior/Spring	ED 550 ED 560 ED 580
<p><i>*take language requirement in Freshman or Sophomore year</i></p> <p><i>** Apply to gain admission into Teacher Preparation Program (at end of Sophomore Year)</i></p> <p><i>**Advised to take LAST exam</i></p> <p><i>***Advised to take CST exam. (Multi-Subject)</i></p> <p><i>****Advised to take ATS-W &amp; CST (Students with Disabilities) exams.</i></p> <p><i>*****Complete other certification requirements.</i></p>	