

MATHEMATICS, BS/ADOLESCENT, MST

With the B-STEP (Bridge to Secondary Teacher Education Program) Combined Degree Programs, current Mathematic BS majors can pursue a career in teaching Mathematics to middle and high school students. Choose a single certification option with the Adolescent Education MST (grades 7-12) or the dual certification option combined with Special Education. Graduate coursework will begin during your senior year and continue throughout the summer, with twelve credits serving as BOTH SOE graduate and Dyson undergraduate open elective credits.

Students must apply by the spring semester of their junior year. The bachelor's and master's degrees are both conveyed at the end of the 5th year. Please speak to your Academic Advisor for more information.

Updated: November 6, 2023

For the undergraduate curriculum, please see the undergraduate section of this catalog.

New York City Campus:

Adolescent Education (SINGLE CERTIFICATE) NYC

Course	Title	Credits
Year 4		
Fall		
MAT 490	Mathematics Seminar Capstone Experience I	1
MAT 305 or MAT 311	Complex Variables or Real Analysis	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
Open Elective		6
Credits		16
Spring		
MAT 491	Mathematics Seminar Capstone Experience II	2
MAT 301 or MAT elective (200 or higher)	Algebraic Structures	3
EDG 611	Mathematics Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 609 or EDG 605	Language, Literacy, and Global Perspectives or General Assessment	3
Open Elective		3
Credits		14
Summer		
EDG 605 or EDG 609	General Assessment or Language, Literacy, and Global Perspectives	3
Credits		3
Year 5		
Fall		
EDG 638	Society, Schools, and Adolescent Development	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 620	Educational Research for Teaching	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3
Credits		13
Spring		
EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
Credits		5-6
Total Credits		51-52

- Possible SOE Electives include MS extension, bilingual extensions, TESOL/Literature
- Possible Dyson Electives could be related to CIS

Adolescent Special Education (DUAL CERTIFICATE) NYC

Course	Title	Credits
Year 4		
Fall		
MAT 490	Mathematics Seminar Capstone Experience I	1
MAT 305 or MAT 311	Complex Variables or Real Analysis	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
Open Elective (strongly recommend TCH 475)		3
Open Elective		3
Credits		16
Spring		
MAT 491	Mathematics Seminar Capstone Experience II	2
MAT 301	Algebraic Structures	3
EDG 611	Mathematics Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 638	Society, Schools, and Adolescent Development	3
Open Elective		3
Credits		14
Summer		
EDG 605	General Assessment	3
EDG 609	Language, Literacy, and Global Perspectives	3
Credits		6
Year 5		
Fall		
EDG 607	Supporting Positive Behavior and Autonomy	3
EDG 616	Cross-Disciplinary Instruction and Assessment in Inclusive Adolescent Classroom	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 618	Individual Program Planning	3
Credits		13
Spring		
EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
EDG 620	Educational Research for Teaching	3
Credits		8-9
Total Credits		57-58

• Possible Dyson Electives could be related to CIS

PLV campus:**Adolescent Education (SINGLE CERTIFICATE) PLV**

Course	Title	Credits
Year 4		
Fall		
MAT 400	Mathematics: Connections, Communications, Research	3
MAT 305 or MAT 311	Complex Variables or Real Analysis	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
Open Elective		3
Credits		15

Spring		
MAT 301	Algebraic Structures	3
EDG 611	Mathematics Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 609 or EDG 605	Language, Literacy, and Global Perspectives or General Assessment	3
Open Elective		3
Open Elective		3

Credits 15

Summer		
EDG 605 or EDG 609	General Assessment or Language, Literacy, and Global Perspectives	3

Credits 3

Year 5		
Fall		
EDG 638	Society, Schools, and Adolescent Development	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 620	Educational Research for Teaching	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3

Credits 13

Spring		
EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
Dyson or SOE Open Elective (Advised for Financial Aid)		3

Credits 8-9

Total Credits 54-55

- Possible SOE Electives include MS extension, bilingual extensions, TESOL/Literature
- Possible Dyson Electives could be related to CIS

Adolescent Special Education (DUAL CERTIFICATE) PLV

Course	Title	Credits
Year 4		
Fall		
MAT 400	Mathematics: Connections, Communications, Research	3
MAT 305 or MAT 311	Complex Variables or Real Analysis	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
Open Elective (strongly advise TCH 475)		3
Credits		15
Spring		
MAT 301	Algebraic Structures	3
EDG 611	Mathematics Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 638	Society, Schools, and Adolescent Development	3
Open Elective		3
Open Elective		3
Credits		15
Summer		
EDG 605	General Assessment	3
EDG 609	Language, Literacy, and Global Perspectives	3
Credits		6

Year 5**Fall**

EDG 607	Supporting Positive Behavior and Autonomy	3
EDG 616	Cross-Disciplinary Instruction and Assessment in Inclusive Adolescent Classroom	3
EDG 617	Inclusive Literacy Assessment and Instruction	4
EDG 618	Individual Program Planning	3

Credits		13
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Spring

EDG 621	Seminar in Inclusive	2-3
EDG 622	Clinical Practice in Teaching Adolescents and Teaching Adolescent Students with Disabilities	3
EDG 620	Educational Research for Teaching	3

Credits		8-9
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Total Credits		57-58
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- Possible Dyson Electives could be related to CIS