

MATHEMATICS, BA/ADOLESCENT, MST

With the B-STEP (Bridge to Secondary Teacher Education Program) Combined Degree Programs, current Mathematic BA 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 Campus:

Adolescent Education (SINGLE CERTIFICATE) nyc

| Course | Title | Credits |
|--|--|--------------|
| Year 4 | | |
| Fall | | |
| MAT 490 | Mathematics Seminar Capstone Experience I | 1 |
| EDG 606 | Learning Environments | 3 |
| EDG 610 | Curriculum and Methods in Inclusive Settings | 3 |
| Open Elective | | 3 |
| Open Elective | | 6 |
| 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 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 |
| 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 CG

Adolescent Special Education (DUAL CERTIFICATE) NYC

| Course | Title | Credits |
|---|--|--------------|
| Year 4 | | |
| Fall | | |
| MAT 490 | Mathematics Seminar Capstone Experience I | 1 |
| EDG 606 | Learning Environments | 3 |
| EDG 610 | Curriculum and Methods in Inclusive Settings | 3 |
| Open Elective (strongly advise to take TCH 475) | | 3 |
| Open Elective | | 6 |
| 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 SOE 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 |
| EDG 606 | Learning Environments | 3 |
| EDG 610 | Curriculum and Methods in Inclusive Settings | 3 |
| Open Elective | | 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 | Language, Literacy, and Global Perspectives | 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 |
| EDG 606 | Learning Environments | 3 |
| EDG 610 | Curriculum and Methods in Inclusive Settings | 3 |
| Open Elective (strongly advise TCH 475) | | 3 |
| Open Elective | | 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 |

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 Elective could be related to CIS