

BIOLOGY, BA/ADOLESCENT, MST

With the B-STEP (Bridge to Secondary Teacher Education Program) Combined Degree Programs, current Biology BA majors can pursue a career in teaching Biology 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.

Adolescent Education MST (Single Certificate)

Course	Title	Credits
Year 4		
Fall		
BIO 493 or BIO 490	Major Field Test in Biology or Introduction to Research in the Biological Sciences	0-3
Biology Major Elective		4
Open Elective		3
COM 200	Public Speaking	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
EDG 511A	Child Abuse and Violence Prevention	0
Credits		16-19
Spring		
Civic Engagement		3
Biology Major Elective		3
Biology Major Elective		4
EDG 614	Science Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 609 or EDG 605	Language, Literacy, and Global Perspectives or General Assessment	3
EDG 511D	DASA- Harassment, Bullying, Cyberbullying and Discrimination in Schools, Prevention and Intervention	0
Credits		16
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	56-60

- Possible SOE Electives include MS extension, bilingual extensions, TESOL/Literature
- Possible Dyson Electives could be related to CHEM (just 12 more for dual certified with CHEM) or in Physics (to get general science) or possibly ENV (to get general science)

Adolescent Special Education (Dual Certificate)

Course	Title	Credits
Year 4		
Fall		
BIO 493 or BIO 490	Major Field Test in Biology or Introduction to Research in the Biological Sciences	0-3
Biology Major Elective		4
Open Elective (Strongly advised to take TCH 475)		3
COM 200	Public Speaking	3
EDG 606	Learning Environments	3
EDG 610	Curriculum and Methods in Inclusive Settings	3
EDG 511A	Child Abuse and Violence Prevention	0
Credits		16-19
Spring		
Civic Engagement		3
Biology Major Elective		4
Biology Major Elective		3
EDG 614	Science Instruction and Assessment in Inclusive Adolescent Classrooms	3
EDG 638	Society, Schools, and Adolescent Development	3
EDG 511D	DASA- Harassment, Bullying, Cyberbullying and Discrimination in Schools, Prevention and Intervention	0
Credits		16
Summer		
EDG 609	Language, Literacy, and Global Perspectives	3
EDG 605	General Assessment	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		59-63

- Possible Dyson Electives could be related to CHEM (just 12 more to be dual certified with CHEM) or in Physics (to get general science) or possibly ENV (to get general science)