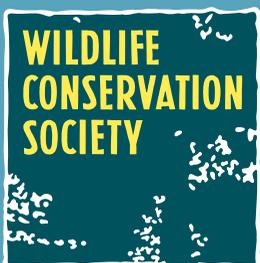


Fordham University's  
Graduate School of Education  
and the  
Wildlife Conservation Society  
headquartered at the Bronx Zoo

OFFER AN EXCITING NEW ACADEMIC PROGRAM

Master of Science in  
Teaching Adolescence  
Biology/Conservation  
Life Science (Grades 7-12)



**BRONX  
ZOO**



**FORDHAM UNIVERSITY**  
THE JESUIT UNIVERSITY OF NEW YORK

# Master of Science in Teaching Adolescence Biology/Conservation Life Science (Grades 7-12)



**A**mid the increasing distress about the low achievement in sciences on the part of American middle and high school students, there is a new awareness that science instruction needs to be exciting and relevant to the lives of today's students. In a unique partnership, the Graduate School of Education at Fordham University and the Wildlife Conservation Society have designed a New York State-approved Master of Science in Teaching program that taps the resources of the Wildlife Conservation Society, one of the world's largest providers of teacher training focused on wildlife conservation and environmental science, and the Graduate School of Education's deep store of teaching expertise.

This dynamic program, partnering world-class science instruction and a nationally recognized teacher education program, prepares teacher candidates for the high-needs content area of secondary science. Because secondary science is among the most difficult disciplines for which to find certified teachers, there is a growing demand for science educators for grades seven through 12 in New York State and across the United States. With the coupling of the Wildlife Conservation Society and the Graduate School of Education, the program provides the content, tools and venues to bring science inquiry alive.

# Master of Science in Teaching Adolescence Biology/Conservation Life Science (Grades 7-12)



**T**his program is led by two distinguished faculties that are committed to the development of educated professionals in the field of Adolescence Biology/Conservation Life Science. Some courses are offered in classrooms with views of some of the greatest zoo exhibits in the world, while other courses will be held in the smart classrooms of Fordham University. Students will be able to learn more about evolution by comparing the adaptations of tigers and snow leopards from only a few feet away. They will practice data collection and analysis through the observation of interactions between a gorilla mother and her baby, and they will learn how technology can be used to deliver quality instruction to students in middle and high schools.

## **CURRICULUM**

The master's program shares six (6) core courses with the initial Teacher Education programs in the pedagogical core, covering topics of teaching methodology; keys to adolescent learning; and the historical, multicultural, and philosophical foundations of American education. The balance of the coursework, six (6) courses, will be offered by the Wildlife Conservation Society at the Bronx Zoo and New York Aquarium. The science content will focus on topics including conservation biology, habitat ecology, and human impact on ecosystems.

Accepted students will enter the program together as a learning cohort. They will begin their studies in summer, and will take additional courses during the fall semester, the spring semester, and the following summer sessions.

## **CERTIFICATION**

The master's program is aligned with current requirements of the New York State Department of Education. In addition, the courses are responsive to the standards of both the Interstate New Teacher Assessment and Support Consortium and the National Science Teachers Association. Graduates of the program will be eligible for New York State initial teacher certification in Adolescence Biology/Conservation Life Science Education (grades 7-12) once they apply and are approved by the New York State Education Department (NYSED).

## SIGNATURE FEATURES OF THE PROGRAM

- The new program is the first graduate education degree that is an equal partnership between an informal science institution and a degree-granting institution.
- The program responds to widespread concern about the state of science education in the United States.
- The 36-credit program leads to a Fordham Master of Science degree in Teaching with an emphasis on conservation life science education.
- The program also leads to initial New York State teacher certification in adolescence biology for grades seven through 12.
- Degree candidates will be able to utilize the rich resources of the Bronx Zoo and New York Aquarium, as well as the other local Wildlife Conservation Society facilities: the Central Park, Prospect Park and Queens Zoos.

## ADMISSION REQUIREMENTS

In addition to the general requirements for graduate study and for initial teacher education programs, candidates for the Wildlife Conservation Society/Graduate School of Education Adolescence Biology/Conservation Life Science (grades 7-12) program must have:

- An earned degree in life science (or a related degree, for example, in conservation biology or other biological science) with a minimum of 30 credits in coursework focusing on themes identified by NYSED (anatomy, physiology, behavior, cell biology, biological diversity, ecology, evolution, genetics, growth, biology and microbiology), and 16 credits in other sciences.
- Completion of college-level work in: (a) artistic expression, (b) communication, (c) social science, (d) science, (e) a language other than English, (f) English composition and literature, and (g) information retrieval.

## FORDHAM FINANCIAL AID/BRONX ZOO TEACHING FELLOWSHIPS

The Graduate School of Education offers a limited number of scholarships to qualified students. For more information, contact the Office of Admissions and Financial Aid at (212) 636-6401.

Loan request forms and other information on private loans can be found on the University website at [www.fordham.edu](http://www.fordham.edu). Payment plans can be arranged with Key Education Resources at (800) 539-5363 or [www.Key.com/paymentplan](http://www.Key.com/paymentplan).

FAFSA School Code: 002722 ([www.fafsa.ed.gov](http://www.fafsa.ed.gov)).

A limited number of paid teaching fellowships will be available to matriculated students through the Bronx Zoo's education department. For additional information, please contact the Bronx Zoo at (718) 220-5136.

- **For additional information on the program**, contact Patricia Shea-Bischoff, Ph.D., professor of curriculum and teaching, at (212) 636-7545 or sheabischoff@fordham.edu.
- **For additional information on admission to the program and financial aid**, contact Linda Horisk, director of admissions, at (212) 636-6401 or horisk@fordham.edu.
- **Apply at <https://apply.embark.com/grad/fordham/education/71/>**

## PROGRAM SEQUENCE

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**SUMMER 1**      **9 CREDITS** (Participation in Summer Program Field Experience at one of several Wildlife Conservation Society sites)

PSGE 5302	Psychology of Adolescent Development and Learning
BZGE 5272	Conservation Life Science Curriculum and Instruction I
BZGE 5304	Learning Environments for Diverse Adolescents: Reflective Field Experience

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**FALL**              **12 CREDITS** (Student teaching Experience—Part 1. Includes two weeks field observation and five weeks student teaching)

CTGE 5154	Including Exceptional Students
BZGE 5273	Conservation Life Science Curriculum and Instruction II
CTGE 5549	Assessing and Developing Reading and Writing in Social Studies, Science and Math
BZGE 5274	Teaching and Assessing Conservation Life Science: Adolescents
CTGE 5200	Field Experience Seminar

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**SPRING**            **9 CREDITS** (Student teaching Experience—Part 2. Includes two weeks field observation and five weeks student teaching)

CTGE 5160	Instructional Modifications for Adolescents in Inclusive Classrooms
BZGE 5275	Integrating Conservation Life Science, Math and Technology
BZGE 5308	Student Teaching Adolescents: Research and Reflective Practice

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**SUMMER 2**      **6 CREDITS**

UEGE 5102	Historical, Philosophical and Multicultural Foundations of American Education
CTGE 5305	Teaching Linguistically and Culturally Diverse Adolescents
BZGE 0709	Adolescence Portfolio



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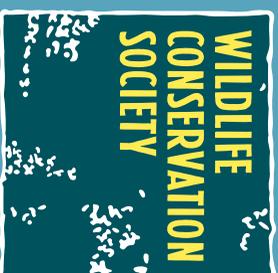
GRADUATE SCHOOL OF EDUCATION OFFICE OF ADMISSIONS  
LOWENSTEIN CENTER, ROOM III 5 113 WEST 60TH STREET  
NEW YORK, NEW YORK 10023-7480

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