

ADOLESCENCE PHYSICS (M.S.T., TRANSITIONAL B)

Overview

30 credits

NYS ED 27365/27360

Admissions to this program are currently on hold for the 2024-2025 application cycle. Program faculty are in the process of redesigning this program; the present Bulletin content refers to the version of the program that is on hold. This content will be updated when the program's redesign is complete.

This clinically rich master's degree program prepares candidates to teach physics as a content-area subject in grades 7 through 12.

The Transitional B program is an alternative teacher certification program. The New York State Transitional B Certificate permits eligible candidates to be employed as a classroom teacher in a New York State public school while completing a master's degree. Upon successful completion of this Transitional B program, graduates of the program qualify and are endorsed for New York state certification in Physics 7–12.

CIP Code

13.1329 - Physics Teacher Education.

You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.

Admissions

In addition to the general requirements for study in the Graduate School of Education and for initial teacher education programs, candidates for the adolescence physics program must have an earned degree in physics or related area (for example, physical science) with a minimum of 30 credits in physics coursework and 16 credits distributed among biology, Earth science, and chemistry. Included in the 30 credits must be coursework in the following areas: principles of physics, including concepts in mechanics, electricity, magnetism, thermodynamics, waves, optics, and atomic and nuclear physics; radioactivity; relativity; and quantum mechanics.

Otherwise qualified candidates who lack coursework in a specified area may be admitted conditionally but must make up the content deficit prior to completion of the program. Attendance at an Adolescence M.S.T. information session is recommended.

Applicants for any of the initial teacher education (ITE) programs must meet the general requirements for admission to the Graduate School of Education as well as their specific degree or certificate program and the following ITE requirements:

- baccalaureate degree from an accredited college or university with a major or concentration in one of the liberal arts or sciences
- a minimum undergraduate grade point average of approximately 3.0 (B or better)

- two reference reports: academic and professional
- satisfactory command of oral and written English as evidenced through an admissions essay or interview
- candidates for whom English is a second language are required to take and achieve a passing score in one of two tests: the TOEFL (Test of English as a Foreign Language) or the IELTS (International English Language Test). The following scores are the recommended minimum current¹ test scores for English language proficiency for admission to the Graduate School of Education:
IELTS¹: 7 for General Test Score, no subtest can be lower than 6
TOEFL¹: 577 for paper test, 90 for Internet-based (IBT) test

¹ Scores can be no more than two years old. See program descriptions for additional program-specific requirements.

Matriculation Requirements

Once admitted, teacher candidates must meet these requirements for matriculation:

- proof of immunization against measles, meningitis, mumps, and rubella, to be submitted to Fordham University Office of Student Health Services
- proof of baccalaureate degree in cases where student is admitted to the Graduate School of Education during the undergraduate senior year, to be submitted to the Graduate School of Education, admissions office
- proof of registration for the first semester of coursework, under advisement of the appropriate ITE program coordinator

Requirements

Program of Study

Course	Title	Credits
UEGE 5102	Historical, Philosophical, and Multicultural Foundations of American Education	3
CTGE 5420	Educating Culturally and Linguistically Diverse Learners: Pre K-12	3
CTGE 5276	Clinical Seminar in Adolescence Science Education	3
CTGE 5547	Literacy and Learning Across the Curriculum	3
CTGE 5302	Psychology of Adolescent Development and Learning	3
CTGE 5272	Teaching and Assessing Science in Adolescent Classrooms (7-12)	3
CTGE 5165	Consultation and Co-Teaching in Collaborative Classrooms	3
CTGE 6261	Media Literacy Technology	3
CTGE 5155	Special Education Foundations: Past, Present, Future	3
CTGE 5402	Teaching and Learning with Diverse Adolescents: Assessment and Planning	3
CTGE 0709	Adolescence Education Portfolio	0
CTGE 5200	Field Experience Seminar: Issues in Reflective Practice (taken twice)	0
Total Credits		30

Required Workshops

The workshops listed below are required of all Initial Teaching (M.S.T.) programs as well as certain other programs related to NY state licensure.

- Child Abuse Identification and Reporting Workshop (EDGE 0210)
- Dignity for All Students Training (EDGE 0260)
- Drug, Alcohol, and Tobacco Training (EDGE 0220)
- Schools Against Violence Education Workshop (EDGE 0230)