ADOLESCENCE PHYSICS
(M.S.T.)

30 credits
NYSED 25528/25532

This clinically-rich master's degree program in adolescence physics prepares candidates to teach physics as a content-area subject in grades 7 through 12. Graduates of the program qualify and are endorsed for New York state certification in Physics 7–12.

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)
- MAT or GRE scores (no more than five years old)
- 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 IELT (International English Language Test). The following scores are the recommended minimum current\(^1\) test scores for English language proficiency for admission to the Graduate School of Education:
  - IELTS\(^1\): 7 for General Test Score, no subtest can be lower than 6
  - TOEFL\(^1\): 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

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Requirements
Program of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UEGE 5102</td>
<td>Historical, Philosophical, and Multicultural Foundations of American Education</td>
<td>3</td>
</tr>
<tr>
<td>CTGE 5420</td>
<td>Educating Culturally and Linguistically Diverse Learners: Pre K-12</td>
<td>3</td>
</tr>
<tr>
<td>CTGE 5276</td>
<td>Clinical Seminar in Adolescence Science Education</td>
<td>3</td>
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### CTGE 5547  Literacy and Learning Across the Curriculum  3

### CTGE 5401  Human Development and Learning  3

or PSGE 5302  Psychology of Adolescent Development and Learning  

### CTGE 5272  Teaching and Assessing Science in Adolescent Classrooms (7-12)  3

### CTGE 5165  Consultation and Co-Teaching in Collaborative Classrooms  3

### Elective Course on 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  0

**Total Credits**  

Total Credits: 30

The following courses may apply toward the elective technology requirement:

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CTGE 6200</td>
<td>Special Topics in Educational Technology</td>
<td>1</td>
</tr>
<tr>
<td>CTGE 6201</td>
<td>Teaching through Digital Literacies</td>
<td>3</td>
</tr>
<tr>
<td>CTGE 6203</td>
<td>Cyber Communities for STEM</td>
<td>1</td>
</tr>
<tr>
<td>CTGE 6261</td>
<td>Media Literacy Technology</td>
<td>3</td>
</tr>
<tr>
<td>CTGE 6262</td>
<td>Application of Computers to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>CTGE 6265</td>
<td>Emerging Issues in Technology</td>
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### 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.

<table>
<thead>
<tr>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDGE 0230</td>
<td>Schools Against Violence Education Workshop</td>
<td>0</td>
</tr>
<tr>
<td>EDGE 0210</td>
<td>Child Abuse Identification and Reporting Workshop</td>
<td>0</td>
</tr>
<tr>
<td>EDGE 0260</td>
<td>Dignity for All Students Training</td>
<td>0</td>
</tr>
<tr>
<td>EDGE 0220</td>
<td>Drug, Alcohol, and Tobacco Training</td>
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</tr>
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In addition to the workshops listed above, the following workshop is also required of students in this M.S.T. program:

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>EDGE 0270</td>
<td>Autism Training Module</td>
<td>0</td>
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