ADOLESCENCE EARTH SCIENCE (M.S.T.)

30 credits
NYSED 34419/34421

This clinically-rich master’s degree program in adolescence earth science education prepares candidates to teach earth science as a content-area subject in grades 7 through 12. Graduates of the program qualify and are endorsed for New York state certification as teacher of Earth Science 7–12.

Admissions
In addition to the general requirements for study at the Graduate School of Education and for initial teacher education programs, candidates for the adolescence earth science program must have an earned degree in geology (or a related field, for example, geological sciences), with a minimum of 30 credits in earth science coursework. This content must include study in the following areas: scientific methods, space systems, atmospheric systems, geological systems, and water systems.

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 test scores for English language proficiency for admission to the Graduate School of Education:
  - IELTS ($: 7 for General Test Score, no subtest can be lower than 6
  - TOEFL $: 577 for paper test, 90 for Internet-based (IBT) test

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 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

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>UEGE 5102</td>
<td>Historical, Philosophical, and Multicultural Foundations of American Education</td>
<td>3</td>
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<tr>
<td>CTGE 5420</td>
<td>Educating Culturally and Linguistically Diverse Learners: Pre K/12</td>
<td>3</td>
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<td>CTGE 5276</td>
<td>Clinical Seminar in Adolescence Science Education</td>
<td>3</td>
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<td>CTGE 5547</td>
<td>Literacy and Learning Across the Curriculum</td>
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<td>PSGE 5302</td>
<td>Psychology of Adolescent Development and Learning</td>
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<td>CTGE 5272</td>
<td>Teaching and Assessing Science in Adolescent Classrooms (7-12)</td>
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<td>CTGE 5165</td>
<td>Consultation and Co-Teaching in Collaborative Classrooms</td>
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<td>CTGE 6261</td>
<td>Media Literacy Technology</td>
<td>3</td>
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<td>CTGE 5155</td>
<td>Special Education Foundations: Past, Present, Future</td>
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<td>CTGE 5402</td>
<td>Teaching and Learning with Diverse Adolescents: Assessment and Planning</td>
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<td>CTGE 0709</td>
<td>Adolescence Education Portfolio</td>
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<tr>
<td>CTGE 5200</td>
<td>Field Experience Seminar: Issues in Reflective Practice (taken twice)</td>
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**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
- Dignity for All Students Training
- Drug, Alcohol, and Tobacco Training (EDGE 0220)
- Schools Against Violence Education Workshop

*Updated: 07-28-2021*