

Earth Science Education

Initial Certification/Certificate of Advanced Study

This program is for those who:

- are seeking ONLY an Initial Teacher Certificate in Earth Science (Gr. 7-12) and DO NOT already hold an initial NYS Initial Teacher Certificate.
- might hold a master's degree in a related field (not required).

| Course | Course Title | Credits | Semester | Grade |
|----------------------------|--|-----------|----------|-------|
| LAI 414*/514 | Adolescent Writing Across the Curriculum | 3 | | |
| LAI 552 | Middle Childhood/Adolescent Literacy Methods | 3 | | |
| CEP 400*/501 | Psychological Foundations of Education | 3 | | |
| ELP 405*/548/585 | Foundations of Education or Sociological Bases of Education | 3 | | |
| LAI 619 | Teaching Science Gr 5-12 | 3 | | |
| LAI 667 | Field Experience | 3 | | |
| LAI 698 | Instructional Strategies in the Inclusive Classroom (STEM section) | 3 | | |
| LAI 674 | Seminar in Teaching | 3 | | |
| LAI 668 | Supervised Teaching I | 3 | | |
| LAI 595 | Supervised Teaching II | 6 | | |
| Total Credit Hours: | | 33 | | |

Advisement notes:

- To progress to student teaching, students must successfully complete (B- or better) at minimum:
 - CEP 501 (or CEP 400 if you successfully completed this course as an undergraduate)
 - ELP 548/585 (or ELP 405 if you successfully completed this course as an undergraduate)
 - LAI 667
 - LAI 698 (STEM)
 - LAI 619
- LAI 414/514 and LAI 552 are typically completed during the summer before or after the fall-spring sequence.
- Students must enroll in LAI 619, 667, and 698 the fall semester immediately preceding LAI 674.
- Students must enroll in LAI 674, 668, and 595 in the same semester.

* Undergraduate coursework (LAI 414, CEP 400, and ELP 405) is only applicable if previously completed as a UB undergraduate student with a grade of "B-" or better.

Completion of Program

To earn a Certificate of Advanced Study from the University at Buffalo, students must:

- Earn grades of B- or better in all program coursework
- Achieve overall GPA of at least 3.0
- Meet any conditions of admission and/or continued admission
- Complete any required content area or general education courses

Applying for Teacher Certification

Students who successfully complete this program are eligible to receive initial certification through the New York State Department of Education (NYSED) Approved Teacher Preparation Program pathway. For more information about the certification process, please contact the Office of Educator Preparation at 716-645-2461, <http://ed.buffalo.edu/edprep.html>

For additional program information, visit:

<http://ed.buffalo.edu/teaching/academics/teacher-ed/earth-science.html>