The 24-credit Certificate in Earth Science provides a strong foundation in Earth science content. The program is designed for New York State-certified teachers of other science areas who plan to obtain a second certification in Earth Science and BA or BS degree holders who seek a foundation in Earth science before applying to a Masters of Education program.

The certificate content aligns with the conceptual framework for Teachers of Earth Science and with the Core Curriculum for middle and high school. It is a great way to attain the professional development required by the New York State Education Department to maintain teacher certification.

Earth Science is currently and has been historically the science subject area with the greatest shortage of qualified, certified teachers in New York State and the New York City metropolitan region.

For more information and an application contact: Professor Heather Sloan, Gillet Hall 307B Earth, Environmental and Geospatial Sciences Heather.Sloan@lehman.cuny.edu or 718-960-8008
CERTIFICATE IN
EARTH SCIENCE

20 Credits in Required Courses:
- GEO 167 Earth Evolution (3 credits)
- GEO 168 Earth Evolution Lab (1 credit)
- GEO 228 Weather and Climate (3 credits)
- GEO 229 Weather and Climate Lab (1 credit)
- GEO 245 Earth Materials (4 credits)
- GEO 301 Earth Science for Educators (4 credits)
- AST 117 Astronomy of Stellar Systems (4 credits)

4 Credits from the following:
- GEO 236 Environmental Geology (4 credits)
- GEO 340 Natural Hazards and Disasters (3 credits)
- GEO 341 Natural Hazard/Disasters Lab (1 credit)
- GEO 345 Environmental Hydrology (4 credits)
- GEO 350 Topics in Regional Geology and Mapping Techniques (4 credits)
- GEO 448 Plate Tectonics (4 credits)

(Other courses may be substituted with department permission.)

* The New York State Education Department now requires 30 credits of core content for certification. Our programs are currently being updated to meet that requirement.

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