

Earth Sciences 4+1 Accelerated Pathway to Master of Science in Science Education

The 4+1 accelerated pathways in science education are for students in programs leading to a bachelor's degree in earth sciences, chemistry or biology. The pathway initiates graduate-level coursework at the undergraduate level, providing qualified students with seamless entry to the master's degree program and an accelerated course of study toward an advanced degree.

ABOUT THE PATHWAY

The Science Education 4+1 pathway is an accelerated pathway from a bachelor's degree in Earth Sciences to a master's degree in Science Education. Enrollment in this pathway allows candidates to take select graduate courses toward completion of the NYS Initial Certification in Science Education during the bachelor's portion of their program. Candidates then continue with one full year of graduate study to fulfill the coursework requirements for their master's degree and be eligible for Professional Certification in Science Education.

Students accepted into the pathway must follow the curriculum map as outlined by the department in order to stay on track. Students begin graduate coursework during their undergraduate studies and are formally accepted into the Graduate School after verification of the completion of bachelor's degree and submission of the application. Graduate applications fees are waived for 4+1 students. Once officially accepted into the graduate program and the Graduate School, graduate credits will be applied to the graduate course of study and all the policies and privileges relevant to graduate students will apply.

APPLYING TO THE 4+1 PATHWAY

Candidates must have a minimum cumulative GPA of 3.0 before enrollment in any graduate course in the 4 + 1 pathway. Students can take the following graduate classes while in the pathway:

SCI 545: Literacy for Teaching Science
SCI 664: Teaching Science with Technology

Each successful candidate electing the 4+1 option will be required to submit the statement indicating the candidate's intent to remain at Buffalo State for both undergraduate and graduate studies. Transfer students wishing to enter the pathway may apply providing they obtain a 3.0 or higher in their first semester at Buffalo State.

Application packets for the 4+1 pathway are available from the Earth Sciences and Science Education Department.

APPLICATION FOR ADMISSION TO GRADUATE STUDY

Candidates for Graduate Admission must have an overall GPA of 3.0 or higher; proficiency in a foreign language through the 102 level (one year of foreign language); and a minimum of thirty credit hours in the Earth Sciences discipline, with a GPA of 3.0 or higher. Candidates must submit a statement of intent and a letter of reference.

Transfer

- Transfer students from two-year and other four-year institutions follow the same institutional admission requirements as other students transferring into Buffalo State teacher education programs.
- Acceptance to the 4+1 course sequence is contingent on courses completed at institutions that have transfer equivalence to courses at Buffalo State.
- Transfer students should speak to the Earth Sciences and Science Education Department chair or designee before applying. Please call the department at (716) 878-6731 with questions or to arrange an appointment.

FOR MORE INFORMATION

Earth Sciences and Science
Education Department
160 Science and Math Complex
Phone: (716) 878-6731