

The State University of New York at Fredonia is committed to doing our part to provide each student a clear path to graduation. This four-year degree plan is a sample map for fulfilling requirements in the major, the College Core Curriculum (CCC), and other supporting courses. The pathway that you take to your degree may differ somewhat from this illustration, depending on where you start and the detours and side trips you may take along the way. If you are committed to completing your degree in four years, we encourage you to consider signing up for the Fredonia in 4 program. For complete information about this degree program, please consult the university catalog at [fredonia.smartcatalogiq.com](http://fredonia.smartcatalogiq.com)

FIRST YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
GEO 102	Senior Seminar	1	GEO 169	General Geology Lab	1
GEO 165	Geology I	3	GEO 160	Oceanography	3
GEO 311	Global Climate	3	MATH 121	Survey of Calculus II	3
MATH 120	Survey of Calculus I	3	CCC	American History	3
CSIT 104	Intro. Microcomputer Software	3	CCC	Social Science	3
ENGL 100	English Composition	3	SCED 105	Nature of Science and Science Edu.	3
			SCED 106	Nature of Science Edu. Field Experience	0
		<b>TOTAL</b>			<b>TOTAL</b>
		<b>16</b>			<b>16</b>

**Geology and Environmental**
**Sciences** 121 Houghton Hall

**The State University**  
**of New York at Fredonia**

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SECOND YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
GEO 150	Moons and Planets	3	GEO 210	Geology II	3
EDU 250	Intro. Exceptional Child	3	SCED 276	Literacy & Technology for Sci. & Math.	3
CHEM 115	General Chemistry I	3	CHEM 116	General Chemistry II	3
CHEM 125	General Chemistry I Lab	1	CHEM 126	General Chemistry II Lab	1
EDU 224	Adolescent Development	3	CCC	Other World Civilization	3
CCC	Foreign Language	3	CCC	Arts	3
		<b>TOTAL</b>			<b>TOTAL</b>
		<b>16</b>			<b>16</b>

**The B.S. Earth Science Adolescence Education** degree is intended for those students who plan to teach Earth Sciences in secondary schools. It includes the fundamental courses in geology, meteorology, oceanography, and astronomy which constitute the "content" of earth sciences, and the necessary professional education courses. This program provides provisional teaching certification in New York State.

THIRD YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
GEO 215	Minerals and Rocks	4		GEO Elective 300-400 Level	4
SCED 305	Diversity in the Teaching of Sci. & Math.	3	EDU 301	Child Abuse/Child Abduction	1
SCED 313	Field Experience	0	EDU 302	Alcohol/Tobacco/Drug Abuse	1
PHYS 121	College Physics I	3	EDU 303	SAVE/DASA/Fire and Arson	1
PHYS 123	College Physics I Lab	1	PHYS 122	College Physics II	3
EDU 349	Educational Psychology	3	PHYS 124	College Physics II Lab	1
			CCC	Western Civilization	3
		<b>TOTAL</b>			<b>TOTAL</b>
		<b>14</b>			<b>14</b>

FOURTH YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
GEO 330	Geomorphology	4	EDU 430	Student Teaching	15
	GEO Elective 300-400 Level	4	SCED 303	Assessment For Inquiry - Based Science	3
GEO 459	Geology Seminary	1			
SCHED 419	Secondary Methods	3			
CCC	Humanities	3			
		<b>TOTAL</b>			<b>TOTAL</b>
		<b>15</b>			<b>18</b>
2016-2017			<b>GRAND TOTAL</b>		<b>125</b>

[fredonia.edu](http://fredonia.edu)

## Why Study Teacher Education at Fredonia?

Education is a field of study that deals with the methods of teaching and learning in schools.

### Begin your career path on Day 1

- You can declare a major and enroll in education classes right away.
- You'll receive field placements every semester, starting as a freshman — all the way until your senior year student teaching placement.
- Fredonia's Office of Field Experiences makes sure you're always on track, providing you feedback every step of the way.

### Becoming 'classroom ready' makes you marketable

- 96% of Fredonia graduates from the Class of 2014 report being employed in their field of study or pursuing an advanced degree.
- You'll complete at least three field-based experiences in schools with a cooperating teacher prior to student teaching, and work as an instructional assistant in a classroom.
- Placements are available in more than 180 schools in nearly 60 districts. You can even student teach in New York City.

### What can you do with a degree in Education?

- Teach in public and private schools or community colleges.
- Serve as a superintendent or other administrator at school districts.
- Become an educator with museums, zoos and other cultural entities.
- Work as education writers/beat reporters for newspapers and other publications.
- Become a staff trainer for employees at companies of all sizes.
- Become a marketing representative or writer for an educational text book company.



### Exceptional professors

- You're taught by faculty who aren't just academics — they're experienced P-12 teachers.
- Fredonia's faculty remain active in local school districts by volunteering in classrooms and working with teachers on curricular and instructional innovations.
- Many courses are taught onsite in local schools.
- Fredonia's classes are typically fewer than 25 students, giving you plenty of contact with professors who challenge you as you grow and give you valuable support and feedback.

### Awards and Scholarships

- Fredonia has nearly 30 awards and scholarships available exclusively for Education majors. Students can apply to as many as are appropriate in any given year.

### Accomplished Education alumni

- Thousands of teachers, superintendents and other school administrators are proud Fredonia graduates — in every state, and countries around the world — providing you with a powerful, influential network of alumni throughout your career.

You're ready for the challenge.  
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