

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

FIRST YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
MATH 122	University Calculus I	4	MATH 123	University Calculus II	4
MAED 105	Introduction to Mathematics Education	3	PHYS 230	University Physics I	4
MAED 106	Practicum in Inclusive Education I	0	PHYS 232	University Physics Lab I	1
CCC	Basic Written Communication	3	MAED 276	Literacy and Technology in Math Edu.	3
CCC	American History	3	CCC	Western Civilization	3
CCC	Social Science	3			
		TOTAL			TOTAL
		16			15

Mathematical Sciences

212 Fenton Hall

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

Fredonia, NY 14063

(716) 673-3243

(716) 673-3804 Fax

email julia.wilson@fredonia.eduweb home.fredonia.edu/math

SECOND YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
MATH 210	Mathematical Structures and Proof	4	MATH 231	Linear Algebra	3
MAED 301	Mathematics for School Teachers I	3	MAED 302	Mathematics for School Teachers II	3
EDU 250	Introduction to the Exceptional Learner	3	EDU 224	Adolescent Development	3
EDU 251	Practicum in Inclusive Education II	0	CCC	Foreign Language	3
CCC	Natural Science	3	CCC	Humanities	3
CCC	Art	3			
		TOTAL			TOTAL
		16			15

The B.S. Mathematics - Middle Childhood Education

degree leads to Initial Certification in New York State to teach mathematics in grades 5 through 9. Our program has achieved "national recognition" by the National Council of Teachers of Mathematics, and is considered one of the top programs in the country for the preparation of mathematics teachers for the middle grades.

THIRD YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
MAED 303	Mathematics for School Teachers III	3	MATH 381	History of Mathematics	3
STAT 350	Probability and Statistics	3		MATH/STAT Elective	3
MAED 305	Diversity in the Teaching of Sci. & Math.	3	MAED 310	Reading and Writing Mathematics	3
MAED 313	Field Experience	0	EDU 321	Teaching Middle School	3
EDU 301	Child Abuse/Abduction Prevention	1	EDU 349	Educational Psychology	3
EDU 302	Alcohol/Tobacco/Drug Abuse	1			
EDU 303	SAVE/DASA/Fire and Arson	1			
CCC	Non-Western Civilization	3			
		TOTAL			TOTAL
		15			15

FOURTH YEAR					
Fall Semester			Spring Semester		
Course		Credits	Course		Credits
MATH 341	Geometry	3	MAED 416	Student Teaching Seminar	3
MATH 405	Senior Seminar	1	MAED 428	Student Teaching 5-6	6
MAED 417	Middle School Methods in Mathematics	3	MAED 429	Student Teaching 7-9	6
	General Elective	3			
	General Elective	3			
		TOTAL			TOTAL
		13			15
2016-2017				GRAND TOTAL	120

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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