



Department of Mathematics



Requirements for a B.S. Degree with a Major in Mathematics

www.uakron.edu/math

STUDENT NAME: _____

STUDENT ID#: _____

At least 34 credit hours in the department including:

3450:221	Analytic Geometry-Calculus I	4.0	_____
3450:222	Analytic Geometry-Calculus II	4.0	_____
3450:223	Analytic Geometry-Calculus III	4.0	_____

3450:307	Fundamentals of Advanced Mathematics	3.0	_____
3450:312	Linear Algebra	3.0	_____
3450:335	Introduction to Ordinary Differential Equations	3.0	_____
*3460:209	Computer Science I	4.0	_____

3450:411	Abstract Algebra I	3.0	_____
3450:421	Advanced Calculus I	3.0	_____

Choose at least one from the following two courses:

3450:412	Abstract Algebra II	3.0	_____
3450:422	Advanced Calculus II	3.0	_____

Choose at least one from the following three courses:

3470:450	Probability	3.0	_____
3470:451	Theoretical Statistics I	3.0	_____
3470:461	Applied Statistics	4.0	_____

Electives

Complete 12 credits of approved 300/400—level courses in Mathematics, Applied Mathematics, Statistics, or Computer Science.

Foreign Language: _____	101 _____	102 _____
	201 _____	202 _____

Sign Language: _____ 222 _____

Foreign Language has four specific courses and Sign Language has five specific courses. Both options total 14 credits for the language requirement.

General Education Requirements: See Other Side

NOTES:

1. Students interested in graduate study should include the following courses in their program: 3450:412,422,445,425.
2. The student is required to take 47 hours of 300/400—level courses not including general education courses or workshops.
3. Students seeking certification in secondary education to teach mathematics must complete the following electives: 3450:401,441; 3470:450,461.
4. Students interested in Computer Science should include the following electives: 3460: *210, 316, 3450:415, 427 and the choice of 3450:413 or 3450:410.
5. This program of study and the general education evaluation are effective for 5 years from date of signature. If there is a change in a major or a transfer to another college, a new program of study must be drawn up. A minimum of 128 earned, approved semester credit hours are needed for graduation.

***This course will count towards the requirement of 47 credits of 300/400 level courses.**

****Subject to approval by the Dean, up to six credits of courses prerequisite to those taken**
At the 300/400 levels will count towards the 47-hour requirement in Note 2. These approved courses count as 300/400 level electives.

Advisor's Signature Date

Student's Signature Date

Department Chair's Signature Date

COMMENTS _____

The University of Akron

General Education Requirement

1. English Composition (7 credits)
3300:111 _____ __cr.____
3300:112 _____ __cr.____
2. Mathematics (3 credits)
3450: _____ __cr.____
or
3470: _____ __cr.____
3. Natural Science (8 credits)
(Minimum of 2 courses, one of which has a lab component,
selected from two different departments)
Biology _____ __cr.____
or
Chemistry _____ __cr.____
or
Geology _____ __cr.____
or
Physics _____ __cr.____
4. Oral Communication (3 credits)
7600:105 _____ __cr.____
or
7600:106 _____ __cr.____
5. Physical Education/Wellness (1 credit)
5540: _____ __cr.____
5540: _____ __cr.____
6. Social Sciences (6 credits)
(Courses selected from two different sets)
Economics _____ __cr.____
Geography _____ __cr.____
US Govt/Politics _____ __cr.____
Psychology _____ __cr.____
Sociology/Anthropology _____ __cr.____
United States History _____ __cr.____
Social Science/Technology _____ __cr.____
/Society
7. Humanities (10 credits – 3 courses)
3400:210 _____ __cr.____
and
2 courses selected from two different departments
Fine Arts _____ __cr.____
or
Philosophy/Classics _____ __cr.____
or
Literature _____ __cr.____
or
3400:211 _____ __cr.____
8. Area Studies and Diversity (4 credits – 2 courses)
_____ __cr.____
_____ __cr.____