



Department of Theoretical and Applied Mathematics

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



STUDENT NAME: _____

STUDENT ID#: _____

At least 40 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	_____

3450:312	Linear Algebra	3.0	_____
3450:335	Introduction to Ordinary Differential Equations	3.0	_____
*3460:209	Introduction to Computer Science	4.0	_____

3450:421	Advanced Calculus I	3.0	_____
3450:427	Applied Numerical Methods I	3.0	_____
3450:428	Applied Numerical Methods II	3.0	_____
3450:436	Mathematical Models	3.0	_____
3470:461	Applied Statistics I	4.0	_____

Choose at least one from the following two courses:

3450:422	Advanced Calculus II	3.0	_____
3450:425	Complex Variables	3.0	_____

Electives

Eighteen hours of 300/400 level electives of which at least 3 credits are from approved 300/400 level 3450 courses,

_____ 3.0 _____

and at least six-credits at the 300/400 level in some approved applied area such as Chemistry, Computer Science, Physics, Economics, Engineering, etc.

_____ 3.0 _____

_____ 3.0 _____

**Other electives:

_____ 3.0 _____

_____ 3.0 _____

_____ 3.0 _____

March 15, 2018-green

Foreign Language: _____ 101 _____ 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: www.uakron.edu/academics_majors/ub/general-education

NOTES:

1. The courses 3450:100, 140, 135, 145, 149, and 401 do not meet major requirements.
2. The student is required to take 40 hours of 300/400 level courses not including general education courses and workshops.
3. The student must achieve an overall GPA of 2.0 for all courses taken and a 2.0 GPA for courses in the major in order to graduate.
4. 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 120 earned, approved semester credit hours are needed for graduation.

***This course will count towards the requirement of 40 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 level will count towards the 40-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. __