Department of Mathematics

Requirements for the 5-yr BS/MA Degree with a Major in Applied Mathematics/Economics

www.math.uakron.edu

STUDENT NAME:_____

STUDENT ID#:_____

Undergraduate Level Course Requirements

At least 44 credit hours 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	_____
3450:421	Advanced Calculus I	3.0	_____
3450:422	Advanced Calculus II	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	4.0	_____

At least 27 Business or Economics credits including:

3250:244	Intro to Economic Analysis	3.0	_____
6200:201	Accounting Principles I	3.0	_____
6200:202	Accounting Principles II	3.0	_____
6200:250	Spreadsheet Modeling	3.0	_____
3250:400	Intermediate Macroeconomics	3.0	_____
3250:410	Intermediate Microeconomics	3.0	_____
3250:426	Applied Econometrics	3.0	_____
3250:5xx	Approved Elective***	3.0	_____
3250:620	Applications of Math Models to Econ***	3.0	_____

Undergraduate Electives

At least 7 credits

_____   _._0_____

_____   _._0_____

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
July 16, 2014-Gold

Graduate Level Course Requirements

3250:602	Macroeconomic Analysis I	3.0	_____
3250:611	Microeconomic Theory I	3.0	_____
3520:620	Applications of Mathematical Models to Economics***	3.0	_____
3250:626	Statistics for Econometrics	3.0	_____
3250:627	Econometrics	3.0	_____
3250:5xx or 6xx	Approved Elective _____	3.0	_____
3250:5xx or 6xx	Approved Elective _____	3.0	_____
3250:5xx or 6xx	Approved Elective _____	3.0	_____
3250:5xx or 6xx	Approved Elective _____	3.0	_____
3250:5xx	Approved Elective** *_____	3.0	_____

Courses marked with * are to be applied to the requirements of both the bachelor's and master's degree.**

_____
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.__