

BAKER UNIVERSITY MAJOR CHECKLIST

MATHEMATICS

B.A. or B.S.

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

- 50-56 credit hours of mathematics and supporting course work
(Variation in credit hours is tied to student's choice of degree-type and track option)
- 18 credit hours of Mathematics is required

MA171 Calculus I (4 hrs)

MA172 Calculus II (4 hrs)

MA271 Calculus III (4 hrs)

MA281 Introduction to Linear Algebra (4 hrs)

MA291 Introduction to Higher Mathematics (3 hrs)

MA345 Problem Seminar in Mathematics (1 hr)

UC _____

MA445 Senior Seminar in Mathematics (3 hrs)

UC _____

ONE OF THE FOLLOWING (3 hrs)

MA362 Modern Geometries

MA383 Introduction to Modern Algebra

MA491 Introduction to Real Analysis

UC _____

9 additional hours of Mathematics chosen from the following list:

MA355 Statistics and Modeling

_____ MA385 Probability (crs. required for option #2) _____

MA359 Mathematical Mths of Physical Science

_____ MA472 Adv Applied Statistics (required for option #2) _____

MA362 Modern Geometries

_____ MA491 Introduction to Real Analysis _____

MA372 Differential Equations

_____ MA493 Introduction to Complex Analysis _____

MA383 Introduction to Modern Algebra

_____ MA495 Special Topics _____

B.A. supporting coursework:

Four courses selected from

CH137 or above; CS175 or above; PC225 or above

B.S. Supporting coursework:

Choose one of the following options:

OPTION 1:

CS175 Intro to Computer Science: C++

PC225 General Physics I

2 ADDITIONAL COURSES IN:

Chemistry (137 & above) **OR**

Computer Science (above 175) **OR**

Physics (above 225)

OPTION 2:

AC141 Introduction to Financial Accounting

BS356 Quantitative Methods of Decision Making

BS381 Corporate Finance

EC242 Principles of Economics: Micro

EC243 Principles of Economics: Macro

EC346 Managerial Economics

EC400 Applied Econometrics

UC _____
UC _____

UC _____
UC _____

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____