

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 _____

MA359 Mathematical Mths of Physical Science _____

MA362 Modern Geometries _____

MA372 Differential Equations _____

MA383 Introduction to Modern Algebra _____

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

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

MA491 Introduction to Real Analysis _____

MA493 Introduction to Complex Analysis _____

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 UC _____

BS381 Corporate Finance UC _____

EC242 Principles of Economics: Micro _____

EC243 Principles of Economics: Macro _____

EC346 Managerial Economics UC _____

EC400 Applied Econometrics UC _____

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____