

BAKER UNIVERSITY MAJOR CHECKLIST

MATHEMATICS

B.A. or B.S.

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

- 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)
- MA445 Senior Seminar in Mathematics (3 hrs)

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ONE OF THE FOLLOWING

- MA362 Modern Geometries
- MA383 Introduction to Modern Algebra
- MA491 Introduction to Real Analysis

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9 additional hours of Mathematics chosen from the following list:

- MA355 Statistics and Modeling
- MA359 Mathematical Methods of Physical Science
- MA362 Modern Geometries
- MA372 Differential Equations
- MA383 Introduction to Modern Algebra
- MA385 Probability (course required for option #2)
- MA472 Advanced Applied Statistics (course required for option #2)
- MA491 Introduction to Real Analysis
- MA493 Introduction to Complex Analysis
- MA495 Special Topics

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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

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STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____