

BAKER UNIVERSITY MAJOR CHECKLIST

MATHEMATICS

B.A. or B.S.

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

CORE COURSES: (23 HRS)

- 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)

UC _____

UC _____

ONE COURSE FROM THE FOLLOWING: (3 HRS)

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

UC _____

9 ADDITIONAL HOURS CHOSEN FROM THE FOLLOWING:

- | | | | |
|--|-------|---|-------|
| MA355 Statistics and Modeling | _____ | MA385 Probability (required for BS option #2) | _____ |
| MA359 Mathematical Mthds of Physical Science | _____ | MA472 Adv Applied Stats (required for BS 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
- 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 ID: _____

DATE: _____