## UNIVERSITY CORE REQUIREMENTS

- **UNIV 1001**: University Perspectives; Destination Graduation (freshmen must complete during first year)

### ENGLISH (2 courses • 6 hrs)
- ENGL 1013 Composition I
- ENGL 1023 Composition II

### HUMANITIES (1 course • 3 hrs)
- World language at Intermediate I (2003) level

### SOCIAL SCIENCES (3 courses from at least 2 fields • 9 hrs)
- AGEC 2100 Principles of Agricultural Microeconomics
- MATH 3093 Abstract Linear Algebra
- MATH 2574 Calculus III

### NATURAL SCIENCES (2 courses • 8 hrs)
- ANTH 1013 Intro to Biological Anthropology
- ASTR 2003 Survey of the Universe

### COMPUTER PROGRAMMING (1 course • 4 hrs)
- CSCE 2004 Programming Foundations I

### OPTIONS:

#### OPTION 1: APPLIED (6 courses • 18-19 hrs)
- STAT 3013 Intro to Probability and Statistics
- MATH 4443 Complex Variable for Application
- STAT 4003/4001L Statistical Methods

#### OPTION 2: PURE (6 courses • 18 hrs)
- MATH 4933 Mathematics Major Seminar
- MATH 4513 Advanced Calculus II

#### OPTION 3: STATISTICS (6 courses • 19 hrs)
- MATH 4353 Numerical Linear Algebra
- MATH 4003/4001L Statistical Methods

### ADDITIONAL REQUIREMENTS (choose one below)
- Completion of an additional major or minor other than Mathematics or Statistics
- Completion of UA Teach curriculum
- Completion of the College Honors core

### MAJOR REQUIREMENTS

- **NATURAL SCIENCES** (2 courses • 8 hrs)
- ANTH 1013/1011L Intro to Biological Anthropology
- ASTR 2003/2001L Survey of the Universe

- **MATH 2574 Calculus III**
- MATH 2584 Differential Equations and Laplace Transform

- **MATH or STAT electives numbered 3000 or higher**:

- **MATH or STAT electives numbered 3000 or higher**:
- STAT 5103 Intro to Probability Theory
- STAT 5113 Statistical Inference

- **MATH or STAT electives numbered 3000 or higher**:
- MATH 4443 Complex Variable for Application
- MATH 4523 Advanced Calculus II

- **Students must complete one option from the following three below (Applied, Pure, or Statistics).**

- **OPTION 1**: Applied
  - (6 courses • 18-19 hrs)
  - STAT 3013 Intro to Probability and Statistics
  
- **OPTION 2**: Pure
  - (6 courses • 18 hrs)
  - MATH 4113 Intro to Abstract Algebra II
  
- **OPTION 3**: Statistics
  - (6 courses • 19 hrs)
  - MATH 4353 Numerical Linear Algebra
  
- **ADDITIONAL REQUIREMENTS (student below)**
  - Completion of an additional major or minor other than Mathematics or Statistics
  - Completion of UA Teach curriculum
  - Completion of the College Honors core

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*Honors students only

Bolstered courses indicate those that may also be required in the major.

Courses listed under University Core Requirements cannot be used more than once within the University Core Requirements section.