

Year 2**Fall – Semester 3 (credit hours: 14)**

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|------|---|-----|---------------------------|
| MATH | 2335 | Transition to Advanced Mathematics | 3 | |
| MATH | 2471 | Calculus III | 4 | |
| EDUC | 1301 | Knowing and Learning (UCA STEMteach) ² | 3 | |
| | | LD UCA Core (Natural Sciences) ¹ | 4 | core link |

Spring – Semester 4 (credit hours: 15)

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|------|---|-----|---------------------------|
| MATH | 3320 | Linear Algebra (UD UCA Core: I) | 3 | |
| MATH | 3331 | Differential Equations (UD UCA Core: C) | 3 | |
| | | LD UCA Core ¹ | 3 | core link |
| | | LD UCA Core ¹ | 3 | core link |
| | | LD UCA Core ¹ | 3 | core link |

Year 3**Fall – Semester 5 (credit hours: 15)**

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|--------------|--|-----|---------------------------|
| MATH | 3360 | Introduction to Rings and Fields | 3 | |
| MATH | 4371 | Introduction to Probability (UD UCA Core: R) | 3 | |
| MATH | 4313 | Functions and Modeling | 3 | |
| MATH | 3354 2330 | Concepts of Discrete Mathematics or Discrete Structures I | 3 | |
| | | LD UCA Core ¹ | 3 | core link |

Spring – Semester 6 (credit hours: 16)

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|--------------|--|-----|------|
| MATH | 3362 | Introduction to Group Theory | 3 | |
| MATH | 4372 3311 | Introduction to Statistical Inference or Statistical Methods II | 3 | |
| MATH | 4345 | College Geometry | 3 | |
| EDUC | 2301 | Classrooms Interactions (UCA STEMteach) ² | 3 | |
| | | General Elective | 4 | |

Year 4**Fall – Semester 7 (Credit hours: 16)**

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|------|---|-----|------|
| MATH | 4362 | Advanced Calculus I (UD UCA Core: Z) | 3 | |
| MATH | | Math Major Elective | 3 | |
| | | General Elective | 4 | |
| EDUC | 3300 | Project-Based Instruction (UCA STEMteach) ² | 3 | |
| STEM | 3310 | Research Method in Mathematics and Science (UCA STEMteach) ² | 3 | |

Spring – Semester 8 (Credit hours: 15)

| SUBJ | NUM | TITLE | SCH | ACTS |
|------|------|--|-----|------|
| | | General Elective | 3 | |
| STEM | 3305 | Perspectives on Mathematics and Science (UCA STEMteach) ² | 3 | |
| STEM | 4305 | Apprentice Teaching Seminar (UCA STEMteach) ² | 3 | |
| STEM | 4600 | Apprentice Teaching (UCA STEMteach) ² | 6 | |

 SIGNED – DEPARTMENT CHAIR

 DATE

 SIGNED – COLLEGE DEAN

 DATE

To be completed by the advisor when an Eight-Semester plan is accepted by the student:

If applicable, has student selected a minor? Type “x” as appropriate. _____ No X Yes

If “yes,” specify: UCA STEMteach

Notes

¹ See appropriate choices, alternatives, or substitutions under “UCA Lower Division Core” in the *Undergraduate Bulletin*. Prior to completion of 30 semester hours, a student must complete a UCA Lower Division Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the UCA Core. See annotations in this Academic Map for courses in the major that fulfill UD UCA Core requirements; for others, consult the *Undergraduate Bulletin* and your academic Advisor.

² This Academic Plan includes the 26 credit hours of the UCA STEMteach minor.