

Year 2**Fall – Semester 3 (credit hours: 18)**

SUBJ	NUM	TITLE	SCH	ACTS
MATH	2335	Transition to Advanced Mathematics	3	
MATH	2471	Calculus III	4	MATH2603
		LD UCA Core (Natural Sciences) ¹	4	core link
		General Elective	4	
		LD UCA Core	3	

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
STEM	1301	Knowing and Learning (UCA STEMteach)	3	

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

SUBJ	NUM	TITLE	SCH	ACTS
MATH	3360	Introduction to Rings and Fields	3	
MATH	4313	Functions and Modeling	3	
		LD UCA Core ¹	3	core link
MATH	4350	Introduction to the History of Mathematics (UD UCA Core: D)	3	
		Elective (such as MATH 3370)	3	

Spring – Semester 6 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
MATH	4372 3311	Introduction to Statistical Inference or Statistical Methods II	3	
MATH	4345	College Geometry	3	
STEM	2301	Classroom Interactions (UCA STEMteach)	3	
		General Elective	4	
		Elective (such as MATH 4301)	3	

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	
STEM	3300	Project-Based Instruction (UCA STEMteach)	3	
STEM	3310	Research Method in Mathematics and Science (UCA STEMteach) ²	3	
MATH	4371	Introduction to Probability	3	

Spring – Semester 8 (Credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
STEM	4600	Apprentice Teaching (UCA STEMteach) (UD UCA Core: Z)	6	
STEM	4605	Apprentice Teaching Seminar (UCA STEMteach)	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 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.