

Mathematics with Secondary Education Concentration GeauxTeach

Sample matriculation of required courses for this degree in the College of Science

Freshman		Sophomore		Junior		Senior	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MATH 1550 (5) Analytic Geometry and Calculus I	MATH 1552 (4) Analytic Geometry and Calculus II	MATH 2057 (3) Multidimensional Calculus III	MATH 2020 (3) Solving Discrete Problems	MATH 3355 (3) Probability	MATH 4005 (3) Geometry (spring only)	<i>Choose 1 (3):</i> MATH 4023 Applied Algebra (fall only) MATH 4200 Abstract Algebra I (fall only) MATH 4181 Elementary Number Theory (fall only)	
		MATH 2060 (1) Technology Lab	MATH 2085 (3) Linear Algebra	MATH 4031 (3) Advanced Calculus I	MATH 4700 (3) History of Math (spring only)		
	Approved Elective (3)	<i>Choose 1 (3):</i> MATH 2025 Integral Trans. (fall only) MATH 2030 Discrete Dynamical Sys.					
GE NS* (3)	GE NS* (3)	GE NS* (3)	ENGL 2000 (3) English Composition	Foreign Lang I (4-5)	Approved Elective (3)	MATH 4*** Elective (3)	
ENGL 1001 (3) English Composition	GE NS Lab (2)	GE Hum (3) ENGL (2+++)	GE HUM (3)		Approved Elective (3)	Approved Elective (3)	
GE-Arts (3)	GE SS (3)					Approved Elective (2)	
** SCI 2010 (1) (formerly BASC 2010) Step 1 <u>FEX</u>	** SCI 2011 (1) (formerly BASC 2011) Step 2 <u>FEX</u>	EDCI 2500 (3) Knowing & Learning (GE SS)	EDCI 3550 (3) Classroom Interactions (Spring Only) <u>FEX</u>	BIOL/CHEM/PHY 4005 (3) Research Methods (Fall only) MATH 3002 (2) Mathematics Clrm. Presentations (Fall only)	MATH 3003 (3) Functions & Modeling (Spring only)	EDCI 4500 (3) Instructional Models (Fall only) <u>FEX</u> MATH 4019 (2) Calc. Internship (Fall only)	EDCI 3136 (3) Reading in the Content Area EDCI 4006 (9) Student Teaching <u>FEX</u>
15	16	16	15	15	15	16	12

Total 120 credit hours

*If 2 course sequence is taken in the physical sciences (astronomy, chemistry, geology or physics), the additional 3-hour course must be from the life sciences (biology), and vice versa.

**Students who do not take SCI 2010 and SCI 2011 are recommended to take SCI 2012 (2) by their fourth semester. Credit will not be given for SCI 2012 if credit has been earned in SCI 2010 and SCI 2011.

FEX – Field Experience