

# Mathematics with Secondary Education Concentration (GeauxTeach)

Sample plan of study of required courses for this degree in the College of Science

Freshman		Sophomore		Junior		Senior	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
<b>MATH 1550</b> (5) Analytic Geometry and Calculus I	<b>MATH 1552</b> (4) Analytic Geometry and Calculus II	<b>MATH 2057</b> (3) Multidimensional Calculus III	<i>Choose 1 (3):</i> <b>MATH 2035</b> Math Found. of Data Science (fall only) or <b>MATH 2030</b> Discrete Dynamical Sys. (spring only)	<i>Choose 1 (3):</i> <b>MATH 4181</b> Elementary Number Theory (fall only) or <b>MATH 4200</b> Abstract Algebra I (fall only) or <b>MATH 4023</b> Applied Algebra (spring only)	<b>MATH 4005</b> (3) Geometry (spring only)*every other year  One section running Fall 2025		
	<b>MATH 2020</b> (3) Solving Discrete Problems	<b>MATH 2060</b> (1) Technology Lab  <b>MATH 2085</b> (3) Linear Algebra	<b>MATH 3355</b> (3) Probability	<b>MATH 4***</b> Elective (3)  <i>Recommended:</i> <b>MATH 4158</b> Foundations of Math (fall only)	<b>MATH 4031</b> (3) Advanced Calculus I  <b>MATH 4700</b> History of Math (3)		
<b>GE NS*</b> (3)	<b>GE NS*</b> (3)  Approved Elective (3)	<b>GE NS*</b> (3)	<b>ENGL 2000</b> (3) English Composition	Foreign Lang I (4-5)	Approved Elective (3)	Approved Elective (2)	
<b>ENGL 1001</b> (3) English Comp	<b>GE NS Lab</b> (2)	<b>GE Hum</b> (3) <b>ENGL</b> (2+++)	<b>GE HUM</b> (3)			Approved Elective (3)	
<b>GE-Arts</b> (3)					*Meet with your College of Science Advisor for grad. checkout	Approved Elective (3)	
<b>SCI 2012</b> (2) Combo <b>FEX</b>  ** This can be taken as late as semester 4 **		<b>EDCI 2500</b> (3) Knowing & Learning (GE SS)	* <b>EDCI 2700</b> (3) Students with Exceptionalities Approved Elective	<b>MATH 3002</b> (2) Mathematics Clrm. Presentations (Fall only)	<b>MATH 3003</b> (3) Functions & Modeling (Spring Only)	<b>MATH 4019</b> (2) Calc. Internship (Fall only)	<b>BIOL/CHEM/PHY 4005</b> (3) Research Methods
				<b>EDCI 4720</b> (3) Teaching students with Dyslexia	<b>EDCI 3550</b> (3) Classroom Interactions (Spring Only) <b>FEX</b>	<b>Teacher Residency</b>	
						<b>EDCI 4006</b> (3) Teacher Residency I	<b>EDCI 4006</b> (9) Teacher Residency II
<b>16</b>	<b>15</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>16</b>	<b>12</b>

\*If a 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

**Total 120 credit hours**

**FEX – Field Experience**