

**SAMPLE PROGRAM OF STUDY FOR STUDENTS ON CLE GEN ED**

College of Science - Bachelor of Science

Major in Mathematics – Math Education Option

Note: BS after first four years shown below. 5 years for MS.

There is considerable flexibility in designing a program of study. The example given below is not likely to fit every situation and is provided for information as you develop your own plan with your advisor. 120 credit hours needed for graduation.

<b>Fall Semester Freshman</b>			<b>Credits</b>
ENGL	1105	First-Year Writing ( <b>Area 1</b> )	3
MATH	1225	Calculus of a Single Variable ( <b>Area 5</b> )	4
MATH	1004	Discovering Mathematics I (F)	1
MATH	1454	Intro to Math Problem-Solving (F)	3
		<b>Area 2 – Ideas, Cultural Traditions, and Values</b>	3
			<b>14</b>

<b>Spring Semester Freshman</b>			<b>Credit</b>
ENGL	1106	First-Year Writing ( <b>Area 1</b> )	3
MATH	1226	Calculus of a Single Variable ( <b>Area 5</b> )	4
MATH	1044	Discovering Mathematics II (S)	2
		<b>Area 2 – Ideas, Cultural Traditions, and</b>	3
		<b>Area 3 – Society and Human Behavior</b>	3
			<b>15</b>

<b>Fall Semester Sophomore</b>			<b>Credits</b>
MATH	2114	Introduction to Linear Algebra	3
MATH	2204	Intro Multivariable Calculus	3
MATH	2644	Math Tutoring (F)	1
		<b>Area 3 – Society and Human Behavior</b>	3
		<b>Area 4 – Scientific Reasoning and Discovery</b>	4
		<b>Area 6 – Creativity and Aesthetic Experience</b>	3
			<b>17</b>

<b>Spring Semester Sophomore</b>			<b>Credit</b>
MATH	2214	Intro Diff Equations	3
MATH	3034	Introduction to Proofs	3
		<b>Area 4 – Scientific Reasoning and Discovery</b>	4
		<b>Area 7 – Critical Issues in a Global Context</b>	3
		Free Elective	3
			<b>16</b>

<b>Fall Semester Junior</b>			<b>Credits</b>
MATH	3124	Modern Algebra	3
MATH	4334	College Geometry	3
MATH		Math Elective	3
		Free Elective	3
		Free Elective	3
		Praxis I or Equivalent	
			<b>15</b>

<b>Spring Semester Junior</b>			<b>Credit</b>
EDCI	3004	PreEducation Seminar (S) <sup>1</sup>	3
MATH	3144	Linear Algebra I	3
STAT		Statistics Requirement (STAT 3005 or 3604)	3
		Free Elective	3
		Free Elective	3
			<b>15</b>

<b>Fall Semester Senior</b>			<b>Credits</b>
MATH	4044	History of Math (F)	3
MATH	4625	Math for Secondary Teachers I (F)	3
MATH	3224	Advanced Calculus	3
EDCI	5554	Education of Exceptional Learners	3
		Free Elective	3
		Pass Praxis II	
			<b>15</b>

<b>Spring Semester Senior</b>			<b>Credit</b>
MATH	4626	Math for Secondary Teachers II (S)	3
EDEP	5154	Psych. Foundations for Teachers	3
EDCI	5784	Assessment in the Mathematics Classroom	3
		Free Elective	3
		Free Elective	3
			<b>15</b>

<b>Summer after Senior</b>			<b>Credits</b>
EDCI	5104	Schooling in American Society <sup>2</sup>	3
EDCI	5784	GS: Res Assess/Diagno Math Clsr <sup>2</sup>	3
			<b>6</b>

<b>5<sup>th</sup> year 1<sup>st</sup> semester</b>			<b>Credits</b>
EDCI	5724	Teaching in Secondary Schools	3
EDCI	5964	Field Studies in Education	3
EDCI	5784	Advanced Curriculum and Instruction	3
EDCI	5914	Diversity and Multicultural Education	3
			<b>12</b>

<b>5<sup>th</sup> year 2<sup>nd</sup> semester</b>			<b>Credit</b>
EDCI	5744	Teaching in Secondary Schools II	3
EDCI	5754	Internship in Education	9
			<b>12</b>

<sup>1</sup> This is the early field experience. EDCI 3004 replaced MATH 3624 in S19. Students need to apply at the beginning of the fall semester. Check handbook for requirements.

<sup>2</sup> Students who maintain a GPA of at least 3.0 can apply to take the summer courses (EDCI 5104 and EDCI 5784) during their senior year, if there is room in their schedules.

(F) = offered fall semesters only; (S) = offered spring semesters only