

SAMPLE PROGRAM OF STUDY FOR STUDENTS ON PATHWAYS 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.

Total of 120 credit hours needed for BS

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.

Fall Semester Freshman			Credits
ENGL	1105	First-Year Writing (Pathway 1f – Foundational Discourse)	3
MATH	1225	Calculus of a Single Variable (Pathway 5f – Foundational Quant and Comp Thinking)	4
MATH	1004	Discovering Mathematics I (F)	1
MATH	1454	Intro to Math Problem-Solving (F)	3
		Pathway 2 Critical Thinking in the Humanities	3
			14

Spring Semester Freshman			Credits
ENGL	1106	First-Year Writing (Pathway 1f – Foundational Discourse)	3
MATH	1226	Calculus of a Single Variable (Pathway 5f – Foundational Quant and Comp Thinking)	4
MATH	1044	Discovering Mathematics II (S)	2
		Pathway 2 Critical Thinking in the Humanities	3
		Pathway 3 Reasoning in the Social Sciences	3
			15

Fall Semester Sophomore			Credits
MATH	2114	Introduction to Linear Algebra	3
MATH	2204	Intro Multivariable Calculus	3
MATH	2644	Math Tutoring (F)	1
		Pathway 3 Reasoning in the Social Sciences	3
		Pathway 4 Reasoning in the Natural Sciences	3
		Pathway 6a Critique and Practice in the Arts	3
			16

Spring Semester Sophomore			Credits
MATH	2214	Intro Diff Equations	3
MATH	3034	Introduction to Proofs	3
		Pathway 4 Reasoning Natural Sciences	3
		Pathway 4 Reasoning Natural Sciences (Lab)	1
		Pathway 6d Critique and Practice in Design	3
		Pathway 7 Critical Analysis of Identity and Equity in the US	3
			16

Fall Semester Junior			Credits
MATH	3124	Modern Algebra	3
MATH	4334	College Geometry	3
MATH		Math Elective	3
		Pathway 1a – Advanced Discourse	3
		Free Elective	3
		Praxis I or Equivalent	
			15

Spring Semester Junior			Credits
EDCI	3004	PreEducation Seminar (S) ¹	3
MATH	3144	Linear Algebra I	3
STAT		Statistics Requirement (STAT 3005 or 3604) (Pathway 5a – Advanced Quantitative and Computational Thinking)	3
		Free Elective	3
		Free Elective	3
			15

Fall Semester Senior			Credits
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	
			15

Spring Semester Senior			Credits
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
			15

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

5th year 1st semester			Credits
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
			12

5th year 2nd semester			Credits
EDCI	5744	Teaching in Secondary Schools II	3
EDCI	5754	Internship in Education	9
			12

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

¹ 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.

² 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.