

Four-Year Model Plan:
Bachelor of Science degree in Mathematics – Data Science

Fall		Spring	
ENGL 101 College English I	3	ENGL 102 College English II	3
MATH 242 Calculus I	5	COMM 111 Public Speaking	3
General Education Natural Science w/lab	4	MATH 243 Calculus II	5
General Education Humanities* ¹	3	General Education Social and Behavioral Science ¹	3
	15	Elective	1
			15
Fall		Spring	
MATH 344 Calculus III	3	MATH 511 Linear Algebra	3
General Education Natural Science	3	MATH 555 Differential Equations	3
Upper Division General Education Natural Science	3	CS course	4
CS 211 Introduction to Programming	4	LAS Elective	3
Elective	3	Elective	3
	16		16
Fall		Spring	
MATH 415 Introduction to Advanced Mathematics	3	MATH 547 Advanced Calculus	3
STAT 460 or STAT 571	3	STAT elective	3
LAS Elective	3	General Education Social and Behavioral Science*	3
General Education Fine Arts	3	Elective	3
Elective	1	Elective	3
	13		15
Fall		Spring	
MATH 451 Computational Mathematics	3	MATH 551 Numerical Methods	3
MATH 646 Introduction to Mathematical Data Analysis	3	MATH 553 Math Models or MATH 657 Optimization Theor	3
General Education Humanities*	3	Upper Division General Education Humanities	3
Upper Division General Education S&B Science	3	LAS Elective	3
LAS Elective	3	Elective	3
	15		15

* Fairmount College of Liberal Arts and Sciences requires all students to complete Literature and either U.S. History or American Politics

¹ All incoming freshman are required to take one First-Year Seminar as part of their General Education program.

Math majors should meet with their faculty advisor each semester.