Kean University 120 S.H.

CSMT/MathematicalSciences

B.S.inMathematicalScienceDataAnalytics(78202)

4 Year Plan

								Recommended Credits	
Year 01	*Fall*	GE 1000 Transition to Kean (1cr)	MATH 1054 Precalculus (3cr)	HIST 1062 Worlds of History (3cr)	ENG 1030 Composition (3cr)	COMM 1402 Speech Communication (3cr)	Humanities GE Course (3cr)	16	
	Winter								
	Spring	MATH 2415 Calculus I (4cr)	Social Science GE Course (3cr)	MATH 2995 Matrix and Linear Algebra (3cr)	MATH 2526 Applied Statistics I (3cr)	ENG 2403 World Literature (3cr)		16	
	Summer								
Year 02	*Fall*	MATH 2416 Calculus II (4cr)	Humanities GE Course (3cr)	GE 2024 Research & Technology (3cr)	Social Science GE Course (3cr)	*CPS 1231 Fund of Comp Science (4cr)*		17	
	Winter								
	Spring	MATH 3415 Calculus III (4CR)	MATH 3700 Big Data Computing (3cr)	PHYS 2091 or PHYS 2095 or CHEM 1083 (4cr)		Free Elective (3cr)		14	
	Summer								
Year 03	*Fall*	MATH 3710 Foundations of Data Analysis (3cr)	MATH 3544 Probability and Mathematical Statistics (3cr)	Free Elective (3cr)	Free Elective (3cr)	Math/ Science GE Course (3-4cr)		15	
	Winter								
	Spring	CPS 2231 Computer Org and Programming (4cr)	MATH 4710 Data Visualization (3cr)	MATH 3560 Regression Analysis (3cr)	Free Elective	Free Elective or Internship (3cr)		16	
	Summer								
Year 04	*Fall*	MATH 4720 Statistical Data Mining (3cr)	MATH 3790 Applied Machine Learning (3cr)	Free Elective	Free Elective			12	
	Winter								
	Spring	MATH 4890 Senior Seminar in Mathematics (3cr)	Major Elective	Free Elective	Free Elective	Free Elective (2cr)		14	
		Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.					**TOTAL REQUIRED**	**120**	

Sep-19