

Required Credits

Year 01	Fall	MATH 1054 Precalculus (4)	CPS 1231 Fundamental of CS (4)	ENG 1030 College Composition (3)	GE 1000/3000 Transition to Kean (1)	Lab Science 1 (1)		15	
	Winter								
	Spring	MATH 2110 Discrete Structure(3)	CPS 2231 Computer Org.& Prog (4)	COMM 1402 Speech Comm (3)	HIST 1062 World of History (3)	Lab Science 2 (4)		17	
	Summer								
Year 02	Fall	MATH 2415 Calculus I (4)	CPS 2232 Data Structure & Algo (4)	CPS 2390 Computer Org.and Arch (3)	GE 2024 Research and Tech (3)	ENG 2403 World Literature (3)		17	
	Winter								
	Spring	MATH 2416 Calculus II (4)or MATH 2995 Linear Algebra(3)	TECH 2920 Computer Systems (3)	CPS 3250 Operating Systems (3)	ENG 3091 Technical Writing(3)	GE Social Science (3)	CPS 2010 Career Education -FREE ELECTIVE #1(1)	16/17	
	Summer								
Year 03	Fall	MATH 2526 Applied Statistics 1(3)	CPS ELECTIVE #1 (3)	CPS ELECTIVE #2 (3)	FREE ELECTIVE #2 (3)	GE Humanities (3)		15	
	Winter								
	Spring	MATH 3526 Advanced Statistics (SP) (3)	CPS 3500 Programming WWW (SP) (3)	CPS 3740 Database Mgmt Systems (SP) (3)	CPS ELECTIVE #3 (3)	FREE ELECTIVE #3 (3)		15	
	Summer								
Year 04	Fall	CPS 4745 Visualization Design & Development (FA) (3)	CPS 4802 Machine Learning Algorithms (FA) (3)	MATH 3700 Big Data computing (FA) (3)	FREE ELECTIVE 3000/4000 #4 (3/4)			13-Dec	
	Winter								
	Spring	CPS 4951 Capstone(SP)(3)or CPS4961 Sr.Research(3)	CPS4721 Data Mining Principles (SP) (3)	CPS ELECTIVE #4 (3)	FREE ELECTIVE 3000/4000 #5 (3)			12	

Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.

TOTAL REQUIRED

120