

							Kean University 120 S.H. Credits		
Year 01	Fall	STME 2000 & 2099 Math/Comp Methods I (3 cr) & Lab (1 cr)	STME 1000 & 1099 Chemical Systems I (3 cr) & Lab (1 cr)	STME 1500 & 1599 Intro to Programming (3 cr) & Lab (1 cr)	STME 1903 Research Methods (1 cr)	ENG 1030 College Composition (3 cr)	GE 1000 Transition to Kean (1 cr)	17	
	Winter								
	Spring	STME 2100 & 2199 Math/Comp Methods II (3 cr) & Lab (1 cr)	STME 1100 & 1199 Chem Sys II (3 cr) & Lab (1 cr) OR if taking <i>STME 1800/1899</i> : HIST 1062 Worlds History (3 cr)	GE 2024 Research & Tech (3 cr)	<i>RFI Track</i> : STME 2903 Research Experience (2 cr)	COMM 1402 Speech Comm (3 cr)		13-16	
	Summer								
Year 02	Fall	STME 2700 & 2799 Physical Systems I (3 cr) & Lab (1 cr)	STME 2200 & 2299 Math/Comp Meth III (3) & Lab (1 cr)	CPS 2231 Computer Org & Prgm (4 cr)	<i>RFI Track</i> : STME 3903 Advanced Res Exp (3 cr)	GE Approved Social Science Req (3 cr)		15-18	
	Winter								
	Spring	STME 2800 & 2899 Physical System II (3 cr) & Lab (1 cr)	STEM 2300 & 2399 Probabilistic Meth of Sci (3 cr) Lab (1 cr)	CPS 2232 Data Structures (4 cr)	MATH 3415 Calculus III (4 cr)			16	
	Summer								
Year 03	Fall	STME 1700 & 1799 Living System I (3 cr) & Lab (1 cr)	MATH 2110 Discrete Structure (3 cr)	MATH 3225 Comp Methods in Matrix & Linear Algebra (3 cr)	MATH 3455 Differential Equations (3 cr)	Free Elective (3 cr)		16	
	Winter								
	Spring	STME 1800 & 1899 Living Syst II (3 cr) & Lab (1 cr) OR if took <i>STME 1100</i> : HIST 1062 Worlds History (3 cr)	<i>Non-RFI Track</i> : STME 3610 Current Issues (1 cr) OR STME 3701-03 STEM Internship (3 cr)	STME 4805 Math Modeling (3 cr)	MATH 3940 Numerical Analysis (3 cr)	Major Elective (3 cr)		12-16	
	Summer								
Year 04	Fall	CPS 5965 High Perf Computing (3 cr) OR STME 5630 Model & Sim Dynam Sys (3 cr)	CPS 4301 Software Engineering I (3 cr) <i>unless taking CPS 3962</i> <i>Info Syst Analysis (3 cr) in Spring</i>	Major elective <i>RFI track - 2 cr</i> <i>Non- RFI track - 3 cr</i>	Free Elective (2 cr)	ENG 2403 World Literature (3 cr)		13-14	
	Winter								
	Spring	STME 5710 App Partial Diff Equations (3 cr) OR STME 5631 Data Anal & Visualization (3 cr)	CPS 3962 Info Syst Analysis (3 cr) <i>unless took CPS 4301</i> <i>Software Engineer I (3 cr) in Fall</i>	<i>Non-RFI Track</i> : Major Elective (1-3 cr)	Free Elective (3 cr)	GE Approved Humanities Req (3 cr)	STME 4610 Science & Tech Sem (3 cr)	12-15	
Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.							TOTAL REQUIRED	120	