Freshman Year

		cert	credit	grade	plan	Prerequisites / Corequisites
Engl 102	Coll Writing and Rhetoric		3			Engl 101 or sufficient test score
Math 170	Analytic Geom. & Calc I		4			Math 143 or sufficient test scores
ME 123(F)	Intro to ME Design		3			Math 143 or Math 170
Comm 101	Fund of Public Speaking		2			
Core Disc.	Freshman Disc. Part 1		4			
	TOTAL		16			

		cert	credit	grade	plan	Prerequisites / Corequisites
Math 175	Analytic Geom. & Calc II		4			Math 170
Phys 211	Engr Phys I, lec		3			Math 170
Phys 211	Engr Phys I, lab		1			
Chem 111	Principles of Chemistry I		4			Chem 050 or perm.
Engr 210	Engr Statics		3			Math 170
Core Disc.	Freshman Disc. Part 2		3			
	TOTAL		18			

Sophomore Year

		cert	credit	grade	plan	Prerequisites / Corequisites
Math 310	Ord Differential Equations		3			Math 175 (recommended Math 275)
MSE 201(F)	Engr Materials		3			Chem 111
Phys 212	Engr Phys II, lec		3			Phys 211 Math 175
Phys 212	Engr Phys II, lab		1			
ME 223	Mechanical Design Analysis		3			ME 123 Math 175
Engr 350	Engr. Mech of Materials		3			Engr 210, Math 175 Math 310
	TOTAL		16			

		cert	credit	grade	plan	Prerequisites / Corequisites
Math 275	Analytic Geom. & Calc III		3			Math 175
Phys 213 (S)	Engr Phys III, lec		3			Phys 211 Math 175
Phys 213 (S)	Engr Phys III, lab		1			
Engr 220	Engr Dynamics		3			Engr 210
Engr 240	Intro to Elec Circuits		3			Phys 211, Math 175
ME 301	Computer Aided Engineering		3			ME 223
	TOTAL		16			

Junior Year

		credit	grade	plan	Prerequisites / Corequisites
ME 341(F)	Intermediate Mechanics	3			Engr 350, Math 275, Math 310
ME 313	Dyn Modeling of Engr Systems	3			ME 223, Engr 220 & 240, Math 310 Math 330
Engr 335	Engr Fluid Mechanics	3			Engr 210, Math 275
Engr 320	Engr Thermo & Heat Transfer	3			Engr 210 Math 310
Math 330	Linear Algebra	3			Math 170
Econ 201, 202, or 272		3-4			
	TOTAL	18-19			

		credit	grade	plan	Prerequisites / Corequisites
ME 325 (S)	Machine Design	3			MSE 201, ME 341
ME 345	Heat Transfer	3			ME 223, Math 310, Engr 320
ME 324	Dyn Analysis in Mach Design	3			ME 223, Engr 220, Math 310 Math 330
ME 330	Exp Methods for Engineers	3			ME 223 Engr 240, 350, 320, & 335
Phil 103	Ethics	3			
TE*		3			
	TOTAL	18			

Senior Year

		credit	grade	plan	Prerequisites / Corequisites
ME 424(F)	Mechanical Sys Design I	3			ME 313, 324, 325, 330, & 345
ME 430	Senior Lab	3			ME 330 & 313 Engl 317
ME 435	Thermal Systems Design	3			Engr 335, ME 345
Engl 317	Technical Writing	3			Engl 102 and Jr. Standing
TE*		3			
Core**		3			
	TOTAL	18			

		credit	grade	plan	Prerequisites / Corequisites
ME 426(S)	Mechanical Sys Design II	3			ME 424 ME 435
CE 411	FE Review	1			Sr Standing or Permission
ME 455	FE Exam	0			Sr Standing
TE*		3			
TE*		3			
Core**		3			
	TOTAL	13			