

## Freshman Year

		cert	credit	grade	plan	Prerequisites			cert	credit	grade	plan	Prerequisites
						Corequisites							Corequisites
Engl 102	Coll Writing and Rhetoric		3			Engl 101 or sufficient test score	Math 175	Analytic Geom. & Calc II		4			Math 170
Math 170	Analytic Geom. & Calc I		4			Math 143 & 144 or sufficient test scores	Phys 211	Engr Phys I, lec		3			Math 170
ME 123	Intro to ME Design		3			Math 170	Phys 211	Engr Phys I, lab		1			
Comm 101	Fund of Public Speaking		2				Chem 111	Principles of Chemistry I		4			Chem 050 or perm.
Core Disc.	Freshman Disc. Part 1		4				Engr 210	Engr Statics		3			Math 170
							Core Disc.	Freshman Disc. Part 2		3			
TOTAL			16				TOTAL			18			

## Sophomore Year

		cert	credit	grade	plan	Prerequisites			cert	credit	grade	plan	Prerequisites
						Corequisites							Corequisites
Math 310	Ord Differential Equations		3			Math 175 (recommended Math 275)	Math 275	Analytic Geom. & Calc III		3			Math 175
MSE 201(F)	Engr Materials		3			Chem 111	Phys 213 (S)	Engr Phys III, lec		3			Phys 211 Math 175
Phys 212	Engr Phys II, lec		3			Phys 211 Math 175	Phys 213 (S)	Engr Phys III, lab		1			
Phys 212	Engr Phys II, lab		1				Engr 220	Engr Dynamics		3			Engr 210
ME 223	Mechanical Design Analysis		3			ME 123 Math 175	Engr 240	Intro to Elec Circuits		3			Phys 211, Math 175
Engr 350	Engr. Mech of Materials		3			Engr 210, Math 175 Math 310	ME 301	Computer Aided Engineering		3			ME 223
TOTAL			16				TOTAL			16			

## Junior Year

		credit	grade	plan	Prerequisites				credit	grade	plan	Prerequisites
					Corequisites							Corequisites
ME 341(F)	Intermediate Mechanics	3			Engr 350, Math 275, Math 310	ME 325 (S)	Machine Design		3			MSE 201, ME 341
ME 313	Dyn Modeling of Engr Systems	3			ME 223, Engr 220 & 240, Math 310 Math 330	ME 345	Heat Transfer		3			ME 223, Math 310, Engr 320
Engr 335	Engr Fluid Mechanics	3			Engr 210, Math 275	ME 330	Exp Methods for Engineers		3			ME 223 Engr 240, 350, 320, & 335
Engr 320	Engr Thermo & Heat Transfer	3			Engr 210 Math 310	Phil 103	Ethics		3			
Math 330	Linear Algebra	3			Math 170	TE*			3			
Econ 201, 202, or 272		3-4				TE*			3			
TOTAL		18-19				TOTAL			18			

## Senior Year

		credit	grade	plan	Prerequisites				credit	grade	plan	Prerequisites
					Corequisites							Corequisites
ME 424(F)	Mechanical Sys Design I	3			ME 313, 325, 330, & 345	ME 426(S)	Mechanical Sys Design II		3			ME 424 ME 435
ME 430	Senior Lab	3			ME 330 & 313 Engl 317	CE 411	FE Review		1			Sr Standing or Permission
ME 435	Thermal Systems Design	3			Engr 335, ME 345 Math 330	TE*			3			Sr Standing
Engl 317	Technical Writing	3			Engl 102 and Jr. Standing	TE*			3			
TE*		3				Core**			3			
Core**		3				TOTAL			13			
TOTAL		18										