

Freshman Year													
Engl 102 Coll Writing and Rhetoric Math 170 Analytic Geom. & Calc I ME 123(F) Intro to ME Design Comm 101 Fund of Public Speaking Core Disc. Freshman Disc. Part 1		cert	credit	grade	plan	Prerequisites Corequisites	Math 175 Analytic Geom. & Calc II Phys 211 Engr Phys I, lec Phys 211 Engr Phys I, lab Chem 111 Principles of Chemistry I Engr 210 Engr Statics Core Disc. Freshman Disc. Part 2		cert	credit	grade	plan	Prerequisites Corequisites
			3			Engl 101 or sufficient test score				4			Math 170
			4			Math 143 & 144 or sufficient test scores				3			Math 170
			3			Math 143 or Math 170				1			
			2							4			Chem 050 or perm.
			4							3			Math 170
TOTAL		16				TOTAL		18					
Sophomore Year													
Math 310 Ord Differential Equations MSE 201(F) Engr Materials Phys 212 Engr Phys II, lec Phys 212 Engr Phys II, lab ME 223 Mechanical Design Analysis Engr 350 Engr. Mech of Materials		cert	credit	grade	plan	Prerequisites Corequisites	Math 275 Analytic Geom. & Calc III Phys 213 (S) Engr Phys III, lec Phys 213 (S) Engr Phys III, lab Engr 220 Engr Dynamics Engr 240 Intro to Elec Circuits ME 301 Computer Aided Engineering		cert	credit	grade	plan	Prerequisites Corequisites
			3			Math 175 (recommended Math 275)				3			Math 175
			3			Chem 111				3			Phys 211 Math 175
			3			Phys 211 Math 175				1			
			1							3			Engr 210
			3			ME 123 Math 175				3			Phys 211, Math 175
	3			Engr 210, Math 175 Math 310		3			ME 223				
TOTAL		16				TOTAL		16					
Junior Year													
ME 341(F) Intermediate Mechanics ME 313 Dyn Modeling of Engr Systems Engr 335 Engr Fluid Mechanics Engr 320 Engr Thermo & Heat Transfer Math 330 Linear Algebra Econ 201, 202, or 272		credit	grade	plan	Prerequisites Corequisites	ME 325 (S) Machine Design ME 345 Heat Transfer ME 324 Dyn Analysis in Mach Design ME 330 Exp Methods for Engineers Phil 103 Ethics TE*		credit	grade	plan	Prerequisites Corequisites		
		3			Engr 350, Math 275, Math 310			3			MSE 201, ME 341		
		3			ME 223, Engr 220 & 240, Math 310 Math 330			3			ME 223, Math 310, Engr 320		
		3			Engr 210, Math 275			3			ME 223, Engr 220, Math 310 Math 330		
		3			Engr 210 Math 310			3			ME 223 Engr 240, 350, 320, & 335		
		3			Math 170			3					
TOTAL		18-19				TOTAL		18					
Senior Year													
ME 424(F) Mechanical Sys Design I ME 430 Senior Lab ME 435 Thermal Systems Design Engl 317 Technical Writing TE* Core**		credit	grade	plan	Prerequisites Corequisites	ME 426(S) Mechanical Sys Design II CE 411 FE Review TE* TE* Core**		credit	grade	plan	Prerequisites Corequisites		
		3			ME 313, 324, 325, 330, & 345			3			ME 424 ME 435		
		3			ME 330 & 313 Engl 317			1			Sr Standing or Permission		
		3			Engr 335, ME 345 Math 330			3			Sr Standing		
		3			Engl 102 and Jr. Standing			3					
		3						3					
TOTAL		18				TOTAL		13					