

DESIGN ENGINEERING TECHNOLOGY 13-14 EIGHT SEMESTER PLAN

YEAR 1

FRESHMAN FALL			STATUS	PREREQ	NOTES
ETD 103	Basic Technical Drawing	3			
ETD 123	Manuf Materials & Processes	3			
MA 113	College Algebra	3		ACT/SAT	
ENG 103	Composition 1	3		ACT/SAT	
ETD 101	Intro to Engineering Technology	1			
PSY 113	Principles of Psychology	3			
Total		16			

FRESHMAN SPRING			STATUS	PREREQ	NOTES
ETD 113	Geometric Dimensioning & Tolerancing	3		ETD 103	
ETD 163	Environmental Health & Safety	3			
ETD 173	Computer-Aided 3D Modeling (Solid Works)	3		ETD 103 or EGR 143	
MA 123	Trigonometry	3		ACT/SAT	
ENG 133	Technical Communicaton	3		ENG 103	
Total		15			

SOPHOMORE FALL			STATUS	PREREQ	NOTES
ETD 233	Engineering & Manufacturing Systems	3		ETD 173	
PH 154	College Physics I & Lab	4		MA 113/123	
ETD 333	Statics & Strengths of Materials	3		MA 134 or Dept Appr	
INF 103	Information Technology Applications	3			
	Approved Elective (3)	3			
Total		16			

YEAR 2

SOPHOMORE SPRING			STATUS	PREREQ	NOTES
ETD 203	Basic Mechanisms	3		MA 123 & PH 154	
ETD 263	Design Analysis & Prototyping	3		ETD 233	
PH 164	College Physics II & Lab	4		PH 154	
CH 144	Chemistry-Ideas & Applications & Lab	4			
SP 203	Effective Speaking	3		ENG 133	
Total		17			

JUNIOR FALL			STATUS	PREREQ	NOTES
ETD 313	Design for Manufacture & Assembly	3		ETD 123 & ETD 233	
MA 134	Calculus I	4		MA 113	
COM 213	Business Communication	3		ENG 133	
ECO 213	Microeconomics	3			
	Humanities Elective (3)	3			
Total		16			

YEAR 3

JUNIOR SPRING			STATUS	PREREQ	NOTES
MA 253	Statistics	3		MA 113	
ETD 363	Elements of Machines	3		ETD 333/PH 154	
ETD 273	Electrical Fundamentals	3		PH 154	
MGT 363	Organizational Behavior	3		COM 213 or PSY 113	
ECO 223	Macroeconomics	3			
	Humanities Elective	3			
Total		18			

SENIOR FALL			STATUS	PREREQ	NOTES
ETD 463	Senior Design Project I	3		Senior Standing	
EGR 453	Advanced Parametric Design (NX)	3		ETD 263 or EGR 143	
MGT 353	Designing Operations	3		MA 173/Inst Appr	
	Elective (300/400 series)	3			
Total		12			

YEAR 4

SENIOR SPRING			STATUS	PREREQ	NOTES
ETD 473	Senior Design Project II	3		ETD 463	
MGT 413	Management of Quality	3		MGT 353	
ETD 433	Computer Numerical Control	3		ETD 123 & ETD 263	
	Elective (300/400 series)	3			
Total		12			