

University of Texas at El Paso
 Engineering Education & Leadership Dept.
 Phone: (915) 747-8427 || eel.utep.edu
2015 B.S. in Engineering Leadership Degree Plan

Year	Fall Semester				Hrs.	Spring Semester				Hrs.
Freshman	RWS	1301	Rhetoric and Composition I*	3	RWS	1302	Rhetoric and Composition II*	3		
	HIST	1301	History of the US to 1865*	3	PHYS	2420	Introductory Mechanics*	4		
	EL	1205	Graphic Fundamentals in Eng. Design ²	2	CHEM	1305	General Chemistry*	3		
	MATH	1411	Calculus I*	4	MATH	1312	Calculus II*	3		
	EL	1005	Engineering Leadership Seminar* ¹	0	EL	1302	Intro to Eng. Design & Leadership ¹	3		
	UNIV	1301	Foundations of Engineering*	3						
				15					16	
Sophomore	HIST	1302	History of the US since 1865*	3	CE	2326	Economics for Engineers & Scientists* ⁴	3		
	PHYS	2421	Fields & Waves*	4	EL	3373	Eng. Probability & Statistics Models ³	3		
	MME	2303	Intro to Materials Sci & Engineering ⁴	3	MME	2434	Mechanics of Materials ⁴	4		
	MATH	2313	Calculus III*	3	MATH	2326	Differential Equations*	3		
	EL	2301	Engineering Leadership I ¹	3	EL	3302	Engineering Leadership II ¹	3		
				16					16	
Junior	COMM	1302	Business & Professional Comm.*	3			Upper Division Math/Science Elective	3		
	CE	2338	Dynamics ⁴	3	MECH	2311	Intro to Thermal Fluid Science ⁴	3		
	CE	2377	Electro Mechanical Systems ⁴	3			Upper Division Eng. Technical Elective	3		
			Track/Concentration Elective #1	3			Track/Concentration Elective #2	3		
	EL	3331	System Engineering ¹	3	EL	3304	Engineering Leadership III ¹	3		
				15					15	
Senior	POLS	2310	Introduction to Politics*	3	POLS	2311	American Government & Politics*	3		
	PHIL	2306	Ethics*	3			Visual & Performing Arts Elective*	3		
			Upper Division Eng. Technical Elective ⁴	3			Upper Division Eng. Technical Elective ⁴	3		
			Track/Concentration Elective #3	3			Track/Concentration Elective #4	3		
	EL	4395	Senior Design I ¹	3	EL	4396	Senior Design II ¹	3		
				15					15	
	Summer 1					Summer 2				
Internships	EL	3103	Professional Practice 1	1	EL	3105	Professional Practice 2	1		
Total 125 Credit Hrs.										

Notes: * Grade of C or better required

¹ Engineering Leadership courses must be taken in order shown unless approved by chairman.

² CE 1205 may be substituted with department approval

³ IE 3373 may be substituted with department approval

⁴ Prerequisites for non-Engineering Leadership courses can be found in the catalog

Contact Information:

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