

# Bachelor of Science – Engineering Leadership Degree Plan (checklist)

2015

Catalog: 2015-2016  
Expires: 08/01/2022

Last Name \_\_\_\_\_

First Name \_\_\_\_\_ M.I. \_\_\_\_\_

UTEP ID \_\_\_\_\_

**NOTE: Overall GPA ≥ 2.0 AND In-Major GPA ≥ 2.0 REQUIRED for graduation**

A Core Curriculum (45 SCH) (minimum of "C" grade required)		Semester Completed	Final Grade	SCH	Sub #
<b>1 Communication (6 credit hours required)</b>					
RWS 1301*	Rhetoric and Composition I				
RWS 1302*	Rhetoric and Composition II				
<b>2 Mathematics (4)</b>					
MATH 1411*	Calculus I				
<b>3 Life and Physical Sciences (8)</b>					
PHYS 2420*	Introductory Mechanics				
PHYS 2421*	Fields and Waves				
<b>4 Language, Philosophy, and Culture (3)</b>					
PHIL 2306*					
<b>5 Creative Arts (3) Circle the one you chose:</b>					
ART 1300*, ARTH 1305*, 1306*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, THEA 1313*					
<b>6 American History (6)</b>					
HIST 1301*	History of the U.S. to 1865				
HIST 1302*	History of the U.S. since 1865				
<b>7 Government/Political Science (6) -- all 6 SCH must be completed at the same institution</b>					
POLS 2310*	Introduction to Politics				
POLS 2311*	American Govt. & Politics				
<b>8 Social and Behavioral Sciences (3)</b>					
CE 2326*	Econ. For Engrs & Scientists				
<b>9 Component Area Option (6)</b>					
UNIV 1301*	Foundations of Engineering				
COMM 1302*	Business/Prof. Communications				

B Foundational Math & Science (12 SCH)		Semester Completed	Final Grade	SCH	Sub #
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				
CHEM 1305*	General Chemistry				

SUBSTITUTIONS** (add lines as necessary)			
Sub #	Course on degree plan to substitute	Institution where course was taken	Course as it appears on UTEP Transcript
example	EL 1302	other university	ENGR 13TR
1			
2			
3			
4			

C Major: Required Lower Division Courses (24 SCH)		Semester Completed	Final Grade	SCH	Sub #
EL 1205 <sup>a</sup>	Graphic Fundamentals in Eng. Design				
EL 1302	Intro to Eng. Design & Leadership				
EL 2301	Engineering Leadership I				
MME 2303	Intro to Materials Sci & Engineering				
MME 2434	Mechanics of Materials				
CE 2338	Dynamics				
CE 2377	Electro Mechanical Systems				
MECH 2311	Introduction to Thermo-Fluid				

D Major: Required Upper Division Courses (20 SCH)		Semester Completed	Final Grade	SCH	Sub #
EL 3103	Professional Practice I				
EL 3105	Professional Practice II				
EL 3302	Engineering Leadership II				
EL 3304	Engineering Leadership III				
EL 3331	Systems Engineering				
EL 3373 <sup>b</sup>	Engineering Probability & Stat. Models				
EL 4395	Senior Design I				
EL 4396	Senior Design II				

E Major: Concentration Courses (12 SCH) see advisor for list of concentrations & approved courses within concentration.		Semester Completed	Final Grade	SCH	Sub #

F Upper Division Engineering Technical Elective (9 SCH) see advisor for approved courses		Semester Completed	Final Grade	SCH	Sub #

H Upper Division Math/Science Elective (3 SCH) See advisor for approved courses		Semester Completed	Final Grade	SCH	Sub #

**BSLE Total Hours 125**

**NOTES:**

- \* -- C or better required
- \*\* -- requires submission of official substitution form.
- a -- CE 1205 may be substituted upon pre-approval.
- b -- IE 3373 may be substituted.

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE