Bachelor of Science – Industrial and Systems Engineering Degree Plan (checklist)

2023

Catalog: 2022-23 Expires: 08/01/2029

Last Name	_	First N	Name		M.I.	_					
						 -					
UTEP ID			-				NOTE: Overall GPA ≥ 2.0 AND In-Major (GPA ≥ 2.0 RE	.QUIRED	for gra	ıduation
Core Curriculum (45	5 SCH)	Semester	Final			C Major: Requ	uired Lower Division Courses (19 SCH)	Semester	Final		
(minimum of "C" gra	•			SCH	Sub#			Completed	Grade	SCH	Sub#
Communication (6	credit hours required)					IE 1333*	Computational Methods	'			
WS 1301*	Rhetoric and Composition I	′				MECH 1305*	Graphic and Design Fundamentals				
WS 1302*	Rhetoric and Composition II	†				MECH 2131*	Manufacturing Engineering Lab	,			
Mathematics (4)						IE 2333*	Decision Support Systems	,			
IATH 1411*	Calculus I					MECH 2331* or	· ·	,			
Life and Physical So	ciences (8)					MME 2303*	Introduction to Materials Science & Engr	1		ı'	
HEM 1305*	General Chemistry		′			CE 2315* or	Statics or Mechanics I-Statics	,		<u> </u>	
HEM 1105*	General Chemistry Lab					MECH 1321*	Statics of inechanics i-statics	1		ı'	!
HYS 2320*	Introductory Mechanics	'				IE 2377* or	The state of the s	,		<u> </u>	
HYS 2120*	Introductory Mechanics Lab	 				MECH 2342* or EE 2350*	or Electro-Mechanical Systems or Electric Circuits I	1	1	('	1
	phy, and Culture (3)					1				—	
	Ethics					,					
Creative Arts (3)						D Major: Requ	uired Upper Division Courses (32 SCH)	Semester	Final		
Select and circle on	ne:						Jon Spp. Similar	Completed	Grade	SCH	Sub#
	05*, 1306*, CHIC 1311*, DANC 1304*,					IE 3331	Systems Engineering				
,	24*, 1327*, 2321*, THEA 1313*	'	'			IE 3352	Design of Experiments				
American History (6						IE 3373*	Engineering Probability & Statistical Models				
- 1	History of the U.S. to 1865					IE 3334	Intro to Work Design				
	History of the U.S. since 1865	 		 	+	IE 3390	Operations Research I: Deterministic Models				
	cal Science (6) all 6 SCH must be co	ompleted at the	e same ir	ostitutio	n	IE 4334	Work Design: Productivity & Safety				
	Introduction to Politics	The state of the s		T		IE 4353	Industrial Systems Simulation				
	American Govt. & Politics	 		 	+	IE 4385	Statistical Quality Control and Reliability				
Social and Behavio						IE 4390	Operations Research II: Stochastic Models				
Select and circle on	· /					IE 4391	Production Planning & Inventory Control Systems				
	Econ. For Engrs & Scientists					IE 4266	Senior Design				
Component Area O	-					1	Connect Decays.				
	Business/Prof. Communications					i					
OMM 1301*, CS 1310	0*, CS 1320*, EL 1301*,	 			 	E Technical El	lective*** (9 SCH)	Semester	Final		
EAD 1300*, SCI 1301		'	'				cle the three you chose:	Completed	Grade	SCH	Sub#
						IE 4371, 4395, 4	4396, RWS 3359 or any other upper division course				
						from the College	ge of Engineering, College of Science, and College of				
Foundational Math	& Science (15 SCH)	Semester	Final			Business Admin	istration	<u> </u>		<u> </u>	
		Completed		SCH	Sub#	1					
/ATH 1312*	Calculus II					ı					
/ATH 2313*	Calculus III	-				ı					
/ATH 2326*	Differential Equations	-	<u> </u>			* C or better re	•				
/ATH 3323*	Matrix Algebra		<u> </u>			** Official substi	stitution form available https://www.utep.edu/engineering	ng/student-resc	ources/stı	udent-re	esources-
	Numerical Analysis	 ,	<u> </u>			forms.html					
				 -		*** In addition	on to provided courses, any upper division course from t	the College of	f Enginee	ring, Cc	ollege of
							ollege of Business Administration			-	-
JBSTITUTIONS**						1					
	where			14.00		1	,	BSIE Total Ho	iours		120
Course on degree		t appears on	Course a	e as it ap EP Tran							
plan to substitute	taken UTEP Transc		011 01	2P 110.	ISCHPL	APPROVALS:					
						ADVISOR			DATE		
						, <u> </u>				_	_
1	1	,	1		J	CHAIR			DATE		į