Bachelor of Science — Civil Engineering Degree Plan (checklist)

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

Last Name	First Name	M.I.

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

A Core Curriculum (45 SCH) (minimum of "C" grade required) RWS 1301* Rhetoric and Composition I RWS 1302* Rhetoric and Composition II 2 Mathematics (4) MATH 1411* Calculus I 3 Life and Physical Sciences (8) CHEM 1305* General Chemistry CHEM 1105* Laboratory for CHEM 1305 PHYS 2320* Introductory Mechanics PHYS 2320* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 13015*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2310* Computer Programming CE 2320* Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*, LEAD 1300*, SCI 1301* UNIV 1301*						
Communication (6 credit hours required) RWS 1301* Rhetoric and Composition	,	Semester	Final			
Rictoric and Composition Rictoric and Composition RWS 1302* Rhetoric and Composition RWS 1305* Research Resear	(minimum of "C" gra	Completed	Grade	SCH	Sub#	
Retoric and Composition II	1 Communication (6 c	redit hours required)				
2 Mathematics (4) MATH 1411*	RWS 1301*	Rhetoric and Composition I				
MATH 1411* Calculus	RWS 1302*	Rhetoric and Composition II				
3 Life and Physical Sciences (8) CHEM 1305* General Chemistry CHEM 1105* Laboratory for CHEM 1305 PHYS 2320* Introductory Mechanics PHYS 2120* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*,	2 Mathematics (4)					
CHEM 1305* General Chemistry CHEM 1105* Laboratory for CHEM 1305 PHYS 2320* Introductory Mechanics PHYS 2120* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	MATH 1411*	Calculus I				
CHEM 1305* General Chemistry CHEM 1105* Laboratory for CHEM 1305 PHYS 2320* Introductory Mechanics PHYS 2120* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,						
CHEM 1305* General Chemistry CHEM 1105* Laboratory for CHEM 1305 PHYS 2320* Introductory Mechanics PHYS 2120* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	3 Life and Physical So	iences (8)				
PHYS 2320*						
PHYS 2120* Laboratory for PHYS 2320 4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*,	CHEM 1105*	Laboratory for CHEM 1305				
4 Language, Philosophy, and Culture (3) Select and circle one AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*,	PHYS 2320*	Introductory Mechanics				
Select and circle one	PHYS 2120*	Laboratory for PHYS 2320				
Select and circle one	4 Language, Philosoph	hy, and Culture (3)				
AFST 2300*, CHIC 2302*, ENGL 2311*, 2312*, 2313*, 2314*, 2318*, FREN 2322*, HIST 2301*, 2302*, PHIL 1301*, 2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,		**				
2306*, RS 1301*, SPAN 2340*, WS 2300*, 2350* 5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	AFST 2300*, CHIC 230	02*, ENGL 2311*, 2312*, 2313*, 2314*,				
5 Creative Arts (3) Select and circle one ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*,	2318*, FREN 2322*, H	IST 2301*, 2302*, PHIL 1301*,				
Select and circle one	2306*, RS 1301*, SPA	N 2340*, WS 2300*, 2350*				
ART 1300*, ARTH 1305*, 1306*, CHIC 1311*, DANC 1304*, FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*, COMM 1302*, CS 1310*, EL 1301*,	5 Creative Arts (3)					
FILM 1390*, MUSL 1321*, 1324*, 1327*, 2321*, THEA 1313* 6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	Select and circle one	9				
6 American History (6) HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	ART 1300*, ARTH 130	05*, 1306*, CHIC 1311*, DANC 1304*,				
HIST 1301* History of the U.S. to 1865 HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	FILM 1390*, MUSL 13	21*, 1324*, 1327*, 2321*, THEA 1313*				
HIST 1302* History of the U.S. since 1865 7 Government/Political Science (6) — all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	6 American History (6)					
7 Government/Political Science (6) – all 6 SCH must be completed at the same institution POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	HIST 1301*	History of the U.S. to 1865				
POLS 2310* Introduction to Politics POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	HIST 1302*	History of the U.S. since 1865				
POLS 2311* American Govt. & Politics 8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	7 Government/Politica	7 Government/Political Science (6) all 6 SCH must be completed at the same institution				
8 Social and Behavioral Sciences (3) CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	POLS 2310*	Introduction to Politics				
CE 2326* Econ. For Engrs & Scientists 9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	POLS 2311*	POLS 2311* American Govt. & Politics				
9 Component Area Option (6) Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	8 Social and Behavioral Sciences (3)					
Select and circle two CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	CE 2326*	Econ. For Engrs & Scientists				
CS 1320* Computer Programming COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	9 Component Area Option (6)					
COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,	Select and circle two					
	CS 1320*	Computer Programming				
LEAD 1300*, SCI 1301* UNIV 1301*	COMM 1301*,COMM 1302*,CS 1310*, EL 1301*,					
	LEAD 1300*, SCI 1301	* UNIV 1301*				

UTEP ID

B Foundational Math &	Science (9 SCH)	Semester Completed	Final Grade	SCH	Sub#
MATH 1312*	Calculus II				
MATH 2313*	Calculus III				
MATH 2326*	Differential Equations				

SUI	SUBSTITUTIONS**				
# qnS	Course on degree plan to substitute	Institution where course was taken	Name of Course as it appears on UTEP Transcript	Course as it appears on UTEP Transcript	
1					
2					
3					
4					

C Major: Required Lower Division Courses (30 SCH)		Semester Completed	Final Grade	SCH	Sub#
CE 1301*	Civil Engineering Fundamentals				
CE 1313*	Engineering Measurements				
CE 2315*	Statics				
CE 2334*	Mechanics of Materials				
CE 2335 ^{a*}	Geological Engineering				
CE 2338* or MECH 2340 or PHYS 3331	Mechanics II-Dynamics or Thermal Physics				
CE 2343*	Structural Analysis I				
CE 2373 ^{b*}	Engr Probability and Statistical Model				
CE 2375*	Introduction to Fluid Mechanics				
CE 2385*	Environmental Engineering Fundamentals				

D Major: Rec	Semester Completed	Final Grade	SCH	Sub#	
CE 3334	Construction Management				
CE 3336	Civil Engineering Materials				
CE 3342	Water and Wastewater Engineering				
CE 3345	Design of Concrete Structures				
CE 3348	Geotechnical Engineering				
CE 3361	Design of Steel Structures				
CE 3456	Hydrology and Hydraulic Engineering				
CE 4339 Geostructural Design					
CE 4340 Transportation Engineering					
CE 4188 Senior Design I					
CE 4288 Senior Design II					
CE 4195 Junior Professional Orientation					
CE 4375	Advanced Topics in Civil Engineering I				
CE 4376 Advanced Topics in Civil Engineering II					
E Lower Division Science Elective (3 SCH)		Semester	Final		
Circle the one you chose:		Completed	Grade	SCH	Sub#
BIOL 1305*, CHEM 1306*, MATH 3323, (PHYS 2321* & PHYS 212		1*)			
F Upper Division Techical Elective (3 SCH)		Semester	Final		
Circle the one you chose:		Completed	Grade	SCH	Sub#
ACCT 2301*,	ACCT 2301*, CE 4377, CHEM 1306*, MATH 3323				
POLS 3350, POLS 3351, POLS 4359, RWS 3359					

NOTES:

- a -- GEOL 3321, Geology for Engineers, may be substituted.
- b IE 3373, Engr. Probability & Stat. Models, may be substituted.
- * -- C or better required
- ** Official substitution form available https://www.utep.edu/engineering/student-resources/student-resources-forms.html

BSCE Total Hours	128
------------------	-----

APPROVALS:	
ADVISOR	DATE
CHAIR	DATE