

**TEXAS A&M UNIVERSITY-CORPUS CHRISTI
BACHELOR OF SCIENCE IN CIVIL ENGINEERING- TENTATIVE DEGREE PLAN
2020-21 CATALOG YEAR**

Name: _____
ID#: _____

IMPORTANT NOTES:

- sStudents are responsible for achieving a 2.25 GPA in their major to graduate as well as meeting all graduation minimums
- sAny changes/exceptions to this Degree Plan must be filed via the Undergraduate Degree Plan Exceptions Form (see your advisor FMI)
- sSee your Faculty Mentor every semester (RECOMMENDED). See your Academic Advisor as needed.
- sThis degree plan remains an unofficial document until certified by the Dean of the College of Science & Engineering .
- sPrerequisites and semesters offered are subject to change with each catalog year
- sStudents are responsible for taking courses in the proper sequence to ensure orderly progression of work
- sYou must maintain a minimum GPA of 2.0 throughout your academic career to avoid Academic Probation or Suspension
- sUpper division classes are any 3xxx or 4xxx level classes, you must have 45 upper division hrs to graduate

UNIVERSITY CORE CURRICULUM

		Grade	Hrs	Prerequisites
COMM 1311	FOUNDATION OF COMMUNICATION		3	n/a
ENGL 1302	COMPOSITION II		3	n/a
MATH 2413	CALCULUS I		4	Math placement (see catalog prerequisites)
CHEM 1411	GENERAL CHEMISTRY I		4	Math 1314
PHYS 2425	UNIVERSITY PHYSICS I		4	Math 2413
LANGUAGE, PHILOSOPHY & CULTURE	CHOOSE ONE: ENGL 2332,2333,2334 OR 2335 OR SPAN 3307,3308, 3309 OR 3310 OR PHIL 1301 OR 2306		3	n/a
HIST 1301	US HISTORY TO 1865		3	n/a
HIST 1302	US HISTORY SINCE 1865		3	n/a
POLS 2305	US GOVT & POLITICS		3	n/a
POLS 2306	STATE/LOCAL POLITICS		3	n/a
CREATIVE ARTS	CHOOSE ONE: ARTS 1301 OR 1303, MUSI 1306 OR 1307 OR THEA 1310 OR 1351 OR COMM 1305		3	n/a
SOC SCIENCE COMPONENT AREA OPTION	PSYC 2301 OR SOCI 1301 OR ECON 2301 OR 2302		3	n/a
	MATH 2414 CALCULUS II		4	n/a

COMMON ENGINEERING, MATH & SCIENCE COURSES

<i>CHEM 1411, MATH 2413, MATH 2414, PHYS 2425</i>		<i>SEE ABOVE</i>
CHEM 1411	GENERAL CHEMISTRY	(4)
COSC 1330	PROGRAMMING FOR SCIENTISTS, ENGINEERS & MATHEMATICIANS	3 Math 1314 or beyond
ENGR 1211	INTRODUCTION TO ENGINEERING	2 n/a
ENGR 1312	ENGINEERING GRAPHICS I	3 Engr 1211
ENGR 2325	STATICS	3 Phys 2425
ENGR 2326	DYNAMICS	3 Engr 2325
ENGR 2460	CIRCUIT ANALYSIS	3 PHYS 2426
ENGR 3315	FLUID MECHANICS	3 Engr 2326, Math 3315 & Math 2415
ENGR 3316	THERMODYNAMICS	3 Phys 2425, Math 2414
ENGR 3320	STRENGTH OF MATERIALS	3 Engr 2325 & Engr 3322
ENGR 3322	MATERIALS SCIENCE	3 Phys 2425
		This course should be taken the semester preceding ENGR 4370. Prereqs: MEEN 3330 and MEEN 3345 or EEEN 3330, 3310, and EEEN 3350. In good standing with the ENGR dept. (Min. GPA of 2.25 in major)
ENGR 4240	PROJECT MANAGEMENT	2
ENGR 4420	ENGINEERING LAB MEASUREMENTS	4 ENGR 2460 Circuit Analysis (or equivalent)
MATH 2413	CALCULUS I	(4) Math placement (see catalog prerequisites)
MATH 2414	CALCULUS II	(4) Math 2413
MATH 2415	CALCULUS III	4 Math 2414
MATH 3315	DIFFERENTIAL EQUATIONS	3 Math 2414
MATH 3342	APPLIED PROBABILITY AND STATISTICS	
PHYS 2425	UNIVERSITY PHYSICS I	(4) Math 2413
PHYS 2426	UNIVERSITY PHYSICS II	4 Phys 2425 and Math 2414

REQUIRED CIVIL ENGINEERING COURSES

CEEN 2315	GEOMATICS AND SURVEYING ENGINEERING (fall)	3	MATH 1316 or MATH 2413
CEEN 3320	GEOTECHNICAL ENGINEERING (spring)	3	ENGR 3315 and ENGR 3320
	GIS FOR CIVIL AND ENVIRONMENTAL ENGINEERING (spring)	3	COSC 1330 and CEEN 2315
CEEN 3330	CIVIL AND CONSTRUCTION MATERIALS (fall)	3	ENGR 3320
CEEN 4304	TRANSPORTATION ENGINEERING (fall)	3	CEEN 2315
CEEN 4324	STRUCTURAL ENGINEERING (spring)	3	ENGR 3320 & MATH 3315

TECHNICAL ELECTIVES BLOCK (THREE COURSES FROM THE FOLLOWING LIST FOR A TOTAL OF 9 HRS.)

SELECT THREE OF THE FOLLOWING COURSES (9 SEMESTER HOURS):

CEEN 4310	WATER RESOURCES ENGINEERING (spring)	3	ENGR 3315
CEEN 4312	PRINCIPLES OF HYDRAULICS AND HYDROLOGY (fall)	3	ENGR 3315
	GEOTECHNICAL ENGINEERING I-COASTAL ENVIRONMENT (fall)	3	CEEN 3320
CEEN 4330	INTRODUCTION TO BRIDGE AND PAVEMENT ENGINEERING (spring)	3	CEEN 4304
CEEN 4332	TRAFFIC ENGINEERING (spring)	3	CEEN 4306
CEEN 4342	CONSTRUCTION MANAGEMENT (spring)	3	CEEN 4304
MEEN 4335	INTRODUCTION TO UNMANNED AIRCRAFT SYSTEMS	3	Junior Level Standing

CAPSTONE PROJECT:

ENGR 4370	CAPSTONE PROJECT (fall and spring)	3	Prereq: ENGR 4240; Coreq/Prereq: MEEN 4360 and MEEN 4365 OR EEEN 4333 or CEEN 4304 or IEEN 4310
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UNIVERSITY REQUIREMENTS

FOREIGN LANGUAGE (2 SEMESTERS)			Met via HS Transcript or College-level course
UNIV 1101	FIRST-YEAR SEMINAR	1	n/a
UNIV 1102	FIRST-YEAR SEMINAR	1	n/a

TOTALS FOR DEGREE PLAN

TOTAL HOURS:	125	123 WITH NO UNIV
TOTAL UPPER DIVISION HOURS (MIN 45)	53	