

TEXAS A&M UNIVERSITY-CORPUS CHRISTI
BACHELOR OF SCIENCE IN MATHEMATICS - TENTATIVE DEGREE PLAN

Name: _____
 ID#: _____
 Faculty Advisor: See Dr. Tintera for Assignment

**SAMPLE
ONLY**

Emphasis: GENERAL CONCENTRATION
 Catalog Year: 2011-12

1. UNIVERSITY CORE CURRICULUM (48 HOURS)

			Prerequisites
ENGL 1301	COMPOSITION I	3	THEA composition
ENGL 1302	COMPOSITION II	3	Engl 1301
COMM 1315	PUBLIC SPEAKING	3	n/a
MATH 2413	CALCULUS I	4	Math 1314+1316 or Math 2312 or beyond
PHYS 2425	UNIV PHYSICS I	4	Math 2413
PHYS 2426	UNIV PHYSICS II	4	Phys 2425, Math 2414
LITERATURE	SEE LIST IN CATALOG	3	Engl 1301, Engl 1302
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 GOVT	3	n/a
FINE ARTS	SEE LIST IN CATALOG	3	n/a
ECONOMICS	ECON 2301 OR 2302	3	n/a
SOC SCIENCE	SOCI 1301 OR PSYC 2301	3	n/a
PHIL 3340	FOUND PROF ETHICS	3	Jr. or Sr. Standing recommended
TOTAL		48	
UPPER DIV HRS		3	

Semester
all
all
all
all
Fall or Sum1
Spring or Sum2
all
all
all
all
all
all
all
all
all
all

NOTES from your advisor:

- Students must achieve a minimum 2.25 GPA in their major to graduate as well as meeting all graduation minimums
- Any exceptions to this Degree Plan must be filed via the Undergraduate Degree Plan Exceptions Form (see your advisor FMI)
- See your Faculty Mentor every semester (strongly recommended). See your Academic Advisor as needed.
- Prerequisites and semesters offered are subject to change with each catalog year

2. MATHEMATICS CORE (32 HOURS)

MATH 2305	DISCRETE MATH I	3	Math 1314+1316 or Math 2312 or beyond
MATH 2413	CALCULUS I	->	SEE CORE CURRICULUM BLOCK
MATH 2414	CALCULUS II	4	Math 2413
MATH 3311	LINEAR ALGEBRA	3	Math 2413
MATH 3313	FNDTN HIGH MATH	3	Math 2414, Math 2305
MATH 3315	DIFF EQUATIONS	3	Math 2414
MATH 3342	APPLIED PROB & STATS	3	Math 2413
MATH 3470	CALCULUS III	4	Math 2414
MATH 4301	INTRO TO ANALYSIS	3	Math 3470, Math 3313
MATH 4306	MODERN ALGEBRA	3	Math 3311, Math 3313
MATH 4385	APPL MODELING	3	Math 3315, Math 3342 and Sr. standing
TOTAL		32	
UPPER DIV		25	

all
all
all
all
FALL/SPR
SPR
FALL
FALL
FALL
SPR
SPR

- Students are responsible for taking courses in the proper sequence to ensure orderly progression of work
- You must maintain a minimum GPA of 2.0 throughout your academic career to avoid Academic Probation or Suspension

3. MATHEMATICS ELECTIVES (JUNIOR AND SENIOR LEVEL - 6 TOTAL HOURS)

Select **ONE** course from the following list:

MATH 3312, 3385, 3300	3
TOTAL	3
UPPER DIV HRS	3

NOTE: Electives must be selected in consultation with the faculty mentor and with department chair approval. Please see catalog/schedule for courses availability and prerequisites for these courses.

Select **ONE** course from the following list:

MATH 4315, 4328, 4342 or SMTE 4370 or Other Upper Level MATH course as offered	3
TOTAL	3
UPPER DIV HRS	3

4. SUPPORTING COURSES (8 HOURS)

COSC 1435	PRBLM SOLV I	4	Math 1314 or beyond
COSC 1436	PRBLM SOLV II	4	Cosc 1435
PHYS 2425/PHYS 2426 (SEE CORE ABOVE)			
TOTAL		8	

all
all

5. MINOR OR CAREER EMPHASIS (18-23 HOURS)

COURSE PERTAINING TO MINOR	3	
COURSE PERTAINING TO MINOR	3	
COURSE PERTAINING TO MINOR	3	
*UPPER DIV MINOR COURSE	3	
*UPPER DIV MINOR COURSE	3	
*UPPER DIV MINOR COURSE	3	
TOTAL		18
UPPER DIV HRS		9

NOTE: Please be aware of all minimums. Read the University Catalog FMI.

6. GENERAL ELECTIVES (AS NEEDED TO MEET GRADUATION MINIMUMS)

General Elective hours	6	
Upper Division Electives	2	
TOTAL		8
UPPER DIV HRS		2

UNIVERSITY REQUIREMENTS

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

TOTALS

TOTAL HOURS (MIN 120):	122
TOTAL UPPER DIVISION HOURS (MIN 45)	45