

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

SAMPLE

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

is: CERTIFICATION TO TEACH GRADES 8-12
Catalog Year: 2011-12

1. UNIVERSITY CORE CURRICULUM (48 hours)

| | | Prerequisites | |
|------------|-----------------------|---------------------------------------|----|
| ENGL 1301 | COMPOSITION I | | 3 |
| ENGL 1302 | COMPOSITION II | | 3 |
| COMM 1315 | PUBLIC SPEAKING | | 3 |
| MATH 2413 | CALCULUS I | Math 1314+1316 or Math 2312 or beyond | 4 |
| PHYS 2425 | UNIV PHYSICS I | Math 2413 | 4 |
| PHYS 2426 | UNIV PHYSICS II | Phys 2425, Math 2414 | 4 |
| LITERATURE | SEE LIST IN CATALOG | Engl 1301, Engl 1302 | 3 |
| HIST 1301 | US HISTORY TO 1865 | n/a | 3 |
| HIST 1302 | US HISTORY SINCE 1865 | n/a | 3 |
| POLS 2305 | US GOVT & POLITICS | n/a | 3 |
| POLS 2306 | STATE & LOCAL GOVT | n/a | 3 |
| FINE ARTS | SEE LIST IN CATALOG | n/a | 3 |
| ECONOMICS | ECON 2301 OR 2302 | n/a | 3 |
| PSYC 2301 | GENERAL PSYCHOLOGY | n/a | 3 |
| PHIL 3340 | FOUND PROF ETHICS | Jr. or Sr. Standing recommended | 3 |
| TOTAL | | | 48 |
| UPPER DIV | | | 3 |

| Semester |
|--------------|
| all |
| all |
| all |
| all |
| FALL or SUM1 |
| SPR or SUM2 |
| all |
| all |
| all |
| all |
| all |
| all |
| all |
| all |
| all |
| all |
| all |

NOTES from your advisor:
 *The grade point average (GPA) required for admission to the teacher education program is a minimum of 2.5 in all work attempted, a minimum GPA of 2.75 in all science, math or specialization areas and no grade below 'C' in any science or math course on the degree plan and/or education classes within the professional block of courses.
 *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)

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/SPR |
| FALL/SPR |
| FALL |
| SPR |
| SPR |

*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
 *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 (6 hours)

Select Math 3312 BELOW plus one from list at RIGHT ▶

| | | | |
|---------------|--|---|-------------------------------|
| *MATH 3312 | | 3 | Math 2413 and Junior Standing |
| TOTAL | | 3 | |
| UPPER DIV HRS | | 3 | |

*MATH 4315, 4328, 4342
*SMTE 4370

| | |
|--|--|
| | |
| | |

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 |

*SEE CATALOG FOR SEMESTERS OFFERED & PREREQUISITES

5. PROFESSIONAL DEVELOPMENT & READING SEQUENCE (27 hours)

*PRELIMINARY COURSES:

| | | | |
|-----------|------------------|---|-------------------|
| READ 3353 | CONTENT AREA RDG | 3 | see a COE advisor |
| EDCI 3311 | SCHOOL & SOCIETY | 3 | see a COE advisor |

*FIELD-BASED SEMESTER:

| | | | |
|-----------|--------------------|---|-------------------|
| EDCI 4606 | PLANNING, TEACHING | 6 | see a COE advisor |
| EDCI 4322 | INSTRUCTIONAL DSGN | 3 | see a COE advisor |

*STUDENT-TEACHING SEMESTER:

| | | | |
|-----------|------------------|---|-------------------|
| EDCI 4312 | CLASSROOM MGMT | 3 | see a COE advisor |
| EDUC 4993 | STUDENT TEACHING | 9 | see a COE advisor |

TOTAL 27
UPPER DIV HRS: 27

*SEE CATALOG FOR SEMESTERS OFFERED & PREREQUISITES

6. GENERAL ELECTIVES

General Elective hours as needed to fulfill University graduation requirements

| | |
|-----------|---|
| | 0 |
| TOTAL | 0 |
| UPPER DIV | 0 |

7. UNIVERSITY REQUIREMENTS (hours will vary)

FOREIGN LANGUAGE (2 SEMESTERS)
COMPUTER LITERACY
UCCP 1101 FIRST-YEAR SEMINAR
UCCP 1102 FIRST-YEAR SEMINAR
TOTAL

| | |
|-------|---|
| | |
| | |
| | 1 |
| | 1 |
| TOTAL | 2 |

TOTALS

TOTAL HOURS (MIN 120): 120
TOTAL UPPER DIVISION HOURS (MIN 45): 58