



TEXAS A&M UNIVERSITY-SAN ANTONIO  
University Access

## BACHELOR OF SCIENCE IN MATHEMATICS WITH TEACHER CERTIFICATION: 48 HOUR DUAL CREDIT GUIDE

This transfer guide is meant for dual credit students interested in pursuing a major at Texas A&M University-San Antonio after high school graduation. Please use this guide to help choose dual credit courses that may be offered at your high school. **This is a guide and does not constitute an official degree plan.**

Credit Hours Required for Degree: 120: Advanced Credit Hours: 36: \*30 advanced hours required for this degree must be completed at A&M-SA to satisfy the residency requirement and highlighted courses can be taken in the dual credit program

### Core Curriculum

| College Course  | College Course  | Credits   | High School Course |
|---|---|-----------|--------------------|
| ENGL 1301   | Composition I   | 3         | English III or IV  |
| ENGL 1302 or ENGL 2311  | Composition II <b>OR</b> Technical Writing  | 3         | English III or IV  |
| MATH 2313   | Calculus I  | 3         |                    |
| PHYS 2325   | University Physics I<br>(See Required Support Courses)  | 3         |                    |
| PHYS 2326   | University Physics II<br>(See Required Support Courses)   | 3         |                    |
| Lang/Phil/Culture   | Select <b>ONE</b> course from approved 040 core list  | 3         |                    |
| Creative Arts   | Select <b>ONE</b> course from approved 050 core list  | 3         |                    |
| American History  | Select <b>ONE</b> course from approved 060 core list  | 3         |                    |
| American History  | Select <b>ONE</b> course from approved 060 core list  | 3         |                    |
| Government/Political Science  | Select <b>ONE</b> course from approved 070 core list  | 3         |                    |
| Government/Political Science  | Select <b>ONE</b> course from approved 070 core list  | 3         |                    |
| Social & Behavioral Sciences  | Select <b>ONE</b> course from approved 080 core list  | 3         |                    |
| SPCH 1315 or SPCH 1318  | Fundamentals of Public Speaking <b>OR</b> Interpersonal Communication                               | 3         |                    |
| MATH 2312 or Component Area Option Course from Approved List, excluding MATH 13XX courses | Pre-calculus <b>OR</b> course from 090 core list not previously used to satisfy a core requirement. | 3         |                    |
| <b>Total SCHs</b>   |   | <b>42</b> | <b>42</b>          |

### Required Support Courses

(Courses may be taken at the community college)

| College Course    | College Course  | Credits  | High School Course |
|-------------------|---|----------|--------------------|
| PHYS 2125         | University Physics I (Lab: to be taken concurrently with PHYS 2325) | 1        |                    |
| PHYS 2126         | University Physics I (Lab: to be taken concurrently with PHYS 2326) | 1        |                    |
| CSCI 1336         | Programming Fundamentals  | 3        |                    |
| CSCI 1136         | Programming Fundamentals Lab  | 1        |                    |
| <b>Total SCHs</b> |   | <b>6</b> | <b>6</b>           |

### \*\*\*Completion of this Degree Requires Admission to the Education Preparation Program (EPP)\*\*\*

Students who do not meet teacher preparation and certification requirements may be required to switch to a non-certification degree program. Students must earn a grade of "C" or better in the following courses: ENGL 1301, ENGL 2311, MATH, and Life & Physical Sciences. Students must also maintain a cumulative GPA of 2.75. **Note about core curriculum courses:** Other courses may satisfy core curriculum requirements. Courses listed under the core curriculum above are also specific degree requirements and are recommended in the core to expedite degree completion. This is only a guide and does not constitute an official degree plan. To access the 2019-2020 A&M-SA catalog: <http://www.tamusa.edu/provost/universitycatalog.html>