BACHELOR OF SCIENCE IN COMPUTER SCIENCE: 15 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.**

120 hours required for degree: 30 CSCI upper-division 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 or Technical Writing	3	English III or IV
MATH 2313	Calculus I	3	
BIOL 1306 or CHEM 1311 or GEOL 1301 or PHYS 1301 or PHYS 2325	General Biology I **OR** General Chemistry **OR** Earth Sciences I **OR** General Physics I **OR** University Physics I	3	
BIOL 1307 or CHEM 1312 or GEOL 1302 or PHYS 1302 or PHYS 2326	General Biology II **OR** General Chemistry II **OR** Earth Sciences II **OR** General Physics II **OR** University Physics II	3	
Lang/Phil/Culture	Select **ONE** course from approved 040 core list	3	
Creative Arts	Select **ONE** course from approved 050 core list	3	
American History	Select **ONE** course from approved 060 core list	3	
American History	Select **ONE** course from approved 060 core list	3	
Government/Political Science	Select **ONE** course from approved 070 core list	3	
Government/Political Science	Select **ONE** course from approved 070 core list	3	
Social & Behavioral Sciences	Select **ONE** course from approved 080 core list	3	
MATH 2314	Calculus II	3	
MATH 1342	Introductory Statistics	3	
MATH 1042	Introductory Statistics Rec.	0	
Total SCHs		**42**	**15**

Required Support Courses
(Courses may be taken at the community college)

College Course	College Course	Credits	High School Course
BIOL 1106 OR CHEM 1111 OR GEOL 1101 OR PHYS 1101 OR PHYS 2125	General Biology I Lab **OR** General Chemistry I Lab **OR** Earth Sciences I Lab **OR** General Physics I Lab **OR** University Physics I Lab	1	

BIOL 1107 OR CHEM 1112 OR GEOL 1102 OR PHYS 2126	General Biology II Lab **OR** General Chemistry II Lab **OR** Earth Sciences II Lab **OR** General Physics II Lab **OR** University Physics II Lab	1	
MATH 2113	Calculus I Lab	1	
MATH 2114	Calculus II Lab	1	
CSCI 1336	Programming Fundamentals I	3	
CSCI 1337	Programming Fundamentals II	3	
CSCI 2336	Programming Fundamentals III	3	
CSCI 1136	Programming Fundamentals I Lab	1	
CSCI 1137	Programming Fundamentals II Lab	1	
CSCI 2136	Programming Fundamentals III Lab	1	
CSCI 2325	Computer Organization	3	
Total SCHs		**19**	

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

Must receive a grade of "C" or better in all MATH, CSCI, and CISA courses and their associated pre-requisites.

A minimum average GPA of 2.25 must be maintained in all CISA & CSCI core and elective courses to remain in the program. Applies to transfer courses also.

Academic credits transferred as substitution courses must be completed within the previous five years of admission to A&M-SA.

Approved upper-division CISA courses that can be used as electives for majors and minors are: CISA 3309, CISA 4323, CISA 4324, CISA 4332.