



TEXAS A&M UNIVERSITY-SAN ANTONIO

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## BACHELOR OF SCIENCE IN COMPUTER SCIENCE: 12 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
<b>ENGL 1301</b>	Composition I	3	English III or IV
<b>ENGL 1302 or ENGL 2311</b>	Composition II or Technical Writing	3	English III or IV
<b>MATH 2313</b>	Calculus I	3	
<b>BIOL 1306 or CHEM 1311 or GEOL 1301 or PHYS 1301 or PHYS 2325</b>	General Biology I OR General Chemistry OR Earth Sciences I OR General Physics I OR University Physics I	3	
<b>BIOL 1307 or CHEM 1312 or GEOL 1302 or PHYS 1302 or PHYS 2326</b>	General Biology II OR General Chemistry II OR Earth Sciences II OR General Physics II OR University Physics II	3	
<b>Lang/Phil/Culture</b>	Select <b>ONE</b> course from approved 040 core list	3	
<b>Creative Arts</b>	Select <b>ONE</b> course from approved 050 core list	3	
<b>American History</b>	Select <b>ONE</b> course from approved 060 core list	3	
<b>American History</b>	Select <b>ONE</b> course from approved 060 core list	3	
<b>Government/Political Science</b>	Select <b>ONE</b> course from approved 070 core list	3	
<b>Government/Political Science</b>	Select <b>ONE</b> course from approved 070 core list	3	
<b>Social &amp; Behavioral Sciences</b>	Select <b>ONE</b> course from approved 080 core list	3	
<b>MATH 2314</b>	Calculus II	3	
<b>MATH 1342</b>	Introductory Statistics	3	
<b>MATH 1042</b>	Introductory Statistics Rec.	0	
<b>Total SCHs</b>		<b>42</b>	<b>12</b>

### Required Support Courses

(Courses may be taken at the community college)

College Course	College Course	Credits	High School Course
<b>BIOL 1106 OR CHEM 1111 OR GEOL 1101 OR PHYS 1101 OR PHYS 2125</b>	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	
<b>BIOL 1107 OR CHEM 1112 OR GEOL 1102 OR PHYS 2126</b>	General Biology II Lab OR General Chemistry II Lab OR Earth Sciences II Lab OR	1	



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	General Physics II Lab <b>OR</b> University Physics II Lab		
<b>MATH 2113</b>	Calculus I Lab	1	
<b>MATH 2114</b>	Calculus II Lab	1	
<b>CSCI 1336</b>	Programming Fundamentals I	3	
<b>CSCI 1337</b>	Programming Fundamentals II	3	
<b>CSCI 2336</b>	Programming Fundamentals III	3	
<b>CSCI 1136</b>	Programming Fundamentals I Lab	1	
<b>CSCI 1137</b>	Programming Fundamentals II Lab	1	
<b>CSCI 2136</b>	Programming Fundamentals III Lab	1	
<b>CSCI 2325</b>	Computer Organization	3	
<b>Total SCHs</b>		<b>19</b>	

**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.