

## Associate Degree for Transfer Graduation Requirements

(1) Complete all department requirements with a “C” or better or Pass in each course. Candidates for an Associate Degree are also required to complete at least 20% of The department requirements through SBCC; (2) Complete the IGETC-CSU or the CSU GE Breadth pattern; (3) Complete a total of 60 CSU transferable semester units; (4) Maintain a minimum cumulative CSU transferable GPA of 2.0; and (5) Candidates for an Associate Degree are required to complete 15 units through SBCC.

### Department Requirements

(Total Department Units: 21-23)

<i>Current</i>		<i>Previous</i>			<i>Institution &amp;</i>		<i>Units</i>	
<i>Course No.</i>	<i>C-ID Number</i>	<i>Course No.</i>	<i>Title</i>	<i>Units</i>	<i>Course No.</i>	<i>Grade</i>	<i>(s/q)</i>	<i>Term</i>

IMPORTANT NOTE: Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

*Required Core: 14 units*

- MATH 150\* .....(C-ID MATH 210) ....(25).....Calculus w/ Analytic Geometry I ..... 5.0 \_\_\_\_\_
- MATH 160\* .....(C-ID MATH 220) ....(26).....Calculus w/ Analytic Geometry II ..... 5.0 \_\_\_\_\_
- MATH 200\* .....(C-ID MATH 230) ....(27).....Multivariable Calculus ..... 4.0 \_\_\_\_\_

*List A. Choose at least one of the following (4 units):*

- MATH 210\* .....(C-ID MATH 250) ....(29).....Linear Algebra ..... 4.0 \_\_\_\_\_
- MATH 220\* .....(C-ID MATH 240) ....(28).....Differential Equations ..... 4.0 \_\_\_\_\_

*List B. Choose one of the following (3-5 Units):*

*Any course not taken in List A or*

- CS 105 .....(n/a) .....(135/COMSC 135/35) ...Theory and Practice I ..... 3.0 \_\_\_\_\_
- CS 106 .....(n/a) .....(145J/COMSC 145J/145/45) ....Theory and Practice II ..... 3.0 \_\_\_\_\_
- CS 108 .....(C-ID MATH 160) ....(143).....Discrete Structures ..... 4.0 \_\_\_\_\_
- CS 120 .....(n/a) .....(COMSC 120) .....Java Programming ..... 3.0 \_\_\_\_\_
- CS 137 .....(n/a) .....(COMSC 137/37)....C Programming ..... 3.0 \_\_\_\_\_
- CS 140 .....(n/a) .....(COMSC 140) .....Object-Oriented Prog, Using C++ ..... 4.0 \_\_\_\_\_
- MATH 117\* .....(C-ID MATH 110) ....(17).....Elementary Statistics **OR** ..... 4.0 \_\_\_\_\_
- MATH 117H\* .....(C-ID MATH 110) ....(117HR).....Elementary Statistics, Honors **OR** ..... 4.0 \_\_\_\_\_
- PSY 150\* .....(C-ID MATH 110) ....(5).....Statistics for Behavioral Science ..... 4.0 \_\_\_\_\_
- PHYS 121\* .....(C-ID PHYS 205).....(21).....Mechanics of Solids and Fluids ..... 5.0 \_\_\_\_\_

\*These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit [www.assist.org](http://www.assist.org) or <http://articulation.sbccc.edu> for IGETC and CSU GE Breadth requirements.

### Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Jamie Campbell, Department Chair, 965-0581, Ext. 2340.

**SBCC AA-T/AS-T Degree Graduation Requirements Worksheet (Must complete IA or IB, II, III and IV below)**



Santa Barbara City College

# Mathematics for Transfer

## 2016-17

IA. IGETC-CSU** (Institution & Course Number) – Minimum 38 semester units		Grade	Units (s/q)	Term
1A.	English Composition			
1B.	Critical Thinking-English Composition			
1C.	Oral Communication			
2A.	Mathematics			
3A.	Arts			
3B.	Humanities			
4.	Social Sciences			
5A/L.	Physical Sciences			
5B/L.	Biological Sciences			

IB. CSU GE Breadth Pattern** (Institution & Course Number) – Minimum 40 semester units		Grade	Units (s/q)	Term
A1.	Oral Communication			
A2.	Written Communication			
A3.	Critical Thinking			
B1/B3.	Physical Science			
B2/B3.	Life Science			
B4.	Mathematics			
C1.	Arts			
C2.	Humanities			
D.	Social Sciences			
E.	Lifelong Learning and Self-Development			

\*\*For specific course, unit and grade requirements see the IGETC or CSU GE Breadth Requirements, visit <http://www.assist.org> or <http://articulation.sbcc.edu>.

**II. Unit and Grade Point Average Requirements:** 60 CSU transferable units and a minimum cumulative CSU transferable GPA of 2.0.

	Total CSU Transferable Semester Units Attempted	Total CSU Transferable Semester Units Completed	CSU Grade Points	CSU GPA
SBCC				
Transfer				
Total				

**III. Residency Requirements:** 1) 15 units completed through SBCC?  Yes  No  
 2) 20% of Department Requirements completed through SBCC?  Yes  No

**IV. Department Requirements:** Refer to the other side of this document for a list of required courses. Were all department requirements completed with a “C” or higher in each course?  Yes  No

Waivers/Substitutions: \_\_\_\_\_

Counselor Comments: \_\_\_\_\_

Student's name: \_\_\_\_\_ Student ID: K \_\_\_\_\_

Counselor's Name: \_\_\_\_\_ Code: \_\_\_\_\_ Date: \_\_\_\_\_

**Associate in Science Degree in Mathematics for Transfer**

The Mathematics Department at Santa Barbara City College offers a broad curriculum to meet the needs of students with a wide variety of goals. It offers a standard college-level sequence in single and multivariable calculus, analytic geometry, linear algebra and ordinary differential equations for freshman and sophomore students who plan to transfer to baccalaureate institutions. In addition, the department offers courses in statistics and calculus for Business, Biological Sciences and Social Science majors, as well as courses in support of Career Technical Education programs.

The Associate in Science degree in Mathematics for Transfer will provide the foundational knowledge in Mathematics to students who want to earn a Baccalaureate Degree in Mathematics. This degree is in compliance with the Student Transfer Achievement Reform Act {Senate Bill 1440, now codified in California Education Code sections 66746-66749} and guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer,” a newly established variation of the associate degrees traditionally offered at a California community college. Upon completion of the transfer associate degree, the student is eligible for transfer with junior standing into the California State University (CSU) system. Students will be given priority consideration when applying to a particular program that is similar to the student’s community college area of emphasis. Visit [www.sb1440.org](http://www.sb1440.org) for the latest information about these degrees.

NOTE: Program first offered Spring 2014.

