Mathematics for Transfer

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)

<table>
<thead>
<tr>
<th>Current Course No.</th>
<th>C-ID Number</th>
<th>Previous Course No.</th>
<th>Title</th>
<th>Units</th>
<th>Institution &amp; Course No.</th>
<th>Grade</th>
<th>Units</th>
<th>Term</th>
</tr>
</thead>
</table>

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) ........................... (145/COMSC 145/145J/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.sbcc.edu](http://articulation.sbcc.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.

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

**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.

<table>
<thead>
<tr>
<th>SBCC</th>
<th>Transfer</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total CSU Transferable Semester Units Attempted</td>
<td>Total CSU Transferable Semester Units Completed</td>
<td>CSU Grade Points</td>
</tr>
</tbody>
</table>

**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: __________

NOTE: Program first offered Spring 2014.