## Mathematics for Transfer

### 2015-16

**Associate Degree for Transfer Graduation Requirements**

1. Complete all department requirements with a “C” or better in each course. Candidates for an Associate Degree are also required to complete at least 20% of the department requirements through SBCC. Pass/No Pass grading is not permitted in those courses needed to fulfill department requirements;
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>Previous Institution &amp; Units</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150*</td>
<td></td>
<td>Calculus with Analytic Geometry I</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 160*</td>
<td></td>
<td>Calculus with Analytic Geometry II</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH 200*</td>
<td></td>
<td>Multivariable Calculus</td>
<td>4.0</td>
</tr>
</tbody>
</table>

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

- MATH 210* Linear Algebra 4.0
- MATH 220* Differential Equations 4.0

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

- CS 105 Theory and Practice I 3.0
- CS 106 Theory and Practice II 3.0
- CS 108 Discrete Structures 4.0
- CS 120 Java Programming 3.0
- CS 137 C Programming 3.0
- CS 140 Object-Oriented Prog, Using C++ 3.0
- MATH 117* Elementary Statistics 4.0
- MATH 117H* Elementary Statistics, Honors 4.0
- PHYS 150* Mechanics of Solids and Fluids 4.0

*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 Anna Parmely, Department Chair, 965-0581, Ext. 4720.

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*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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Units (s/q)</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

1A. English Composition
1B. Critical Thinking
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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Units (s/q)</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

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](http://www.assist.org) or [http://www.sbcc.edu/transfercenter](http://www.sbcc.edu/transfercenter).

#### 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>Total CSU Transferable Semester Units Attempted</th>
<th>Total CSU Transferable Semester Units Completed</th>
<th>CSU Grade Points</th>
<th>CSU GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBCC</td>
<td>Transfer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></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: __________

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**Santa Barbara City College**

### Mathematics for Transfer 2015-16

**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.

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