**Mathematics Transfer Model Curriculum** Rev. 2: 2/15/2013

**CCC Major or Area of Emphasis**: Mathematics Rev. 1 2.8.13

**CSU Major or Majors**: Mathematics Rev. 8/7/2012

**Total units**: 18 *(all units are semester units)* Template #2001

In the four columns on the right, enter the course identifier, course title and number of units of a course that is comparable to the course indicated for the TMC (in the far left column). If the course may be double-counted, put an X in the GE column.

The units indicated in the TMC are semester units – and they are minimum units. All courses must be CSU transferable. Where there is an indicated C-ID descriptor, you are certifying that your course is comparable. Where no reference descriptor is indicated, discipline faculty should compare the existing course to the sample course description(s) provided in the TMC at <http://www.c-id.net/degreereview.html> and attach the appropriate report from ASSIST showing the required transferability status (i.e., CSU transferable, general education, or major preparation at CSU).

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| **Mathematics Transfer Model Curriculum** | | **Associate in Science degree in**  **Mathematics for Transfer**  College Name:  Program Requirements | | | |
| **Course Title (units)** | **C-ID Designation** | **Course ID** | **Course Title** | **Units** | **GE** |
| **Required Core:** 12 units from one of the following options: |  |  |  |  |  |
| Option 1 (all of the following): |  |  |  |  |  |
| Single Variable Calculus I – Early Transcendentals (4)  **OR**  Single Variable Calculus I – Late Transcendentals (4) | MATH 210  Or  MATH 211 |  |  |  |  |
| Single Variable Calculus II – Early Transcendentals (4)  **OR**  Single Variable Calculus II – Late Transcendentals (4) | MATH 220  Or  MATH 221 |  |  |  |  |
| Multivariable Calculus (4) | MATH 230 |  |  |  |  |
| **OR** |  |  |  |  |  |
| Option 2 (all of the following): |  |  |  |  |  |
| Single Variable Calculus Sequence (2 semesters or 3 quarters) (8)  **OR**  Single Variable Calculus I – Early Transcendentals (4)  **AND**  Single Variable Calculus II – Early Transcendentals (4)  **OR**  Single Variable Calculus I – Late Transcendentals (4)  **AND**  Single Variable Calculus II – Late Transcendentals (4) | MATH 900S  Or  MATH 210  And  MATH 220  Or  MATH 211  And  MATH 221 |  |  |  |  |
| Multivariable Calculus (4) | MATH 230 |  |  |  |  |
| **OR** |  |  |  |  |  |
| Option 3: |  |  |  |  |  |
| Single Variable and Multivariable Calculus Sequence (3 semester/4 quarters for ≥12 units) |  |  |  |  |  |

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| ***Choose a minimum of 6 units from List A and B below with at least 3 units from List A.*** |  | | | | |
| **List A:** Select one to two (3 – 6 units): |  | | | | |
| Ordinary Differential Equations (3) | MATH 240 |  |  |  |  |
| Linear Algebra (3) | MATH 250 |  |  |  |  |
| **OR** |  |  |  |  |  |
| Differential Equations and Linear Algebra (5) | MATH 910 |  |  |  |  |
| **List B:** Select one (1 – 4 units): |  |  |  |  |  |
| Discrete Math (3) | MATH 160 |  |  |  |  |
| Calculus-based Physics for Scientists and Engineers: A (articulated as lower division preparation for the Physics major at a CSU) (4) | PHYSICS 205 |  |  |  |  |
| Mathematical Computing Systems (1) |  |  |  |  |  |
| Computer Programming (3) |  |  |  |  |  |
| Proof (3) |  |  |  |  |  |
| Introduction to Statistics (3) | MATH 110 |  |  |  |  |
| **Total Units for the Major:** | **18** |  | **Total Units for the Major:** |  |  |
|  |  | **Total Units that may be double-counted:** | | |  |

**Note:** *While 3 units are required from Group A, no units are required from Group B. The major must be a minimum of 18 semester units.*

When selecting 4-5 unit courses for the Associate in Science in Mathematics for Transfer, keep in mind that you may not require more than 60 units for the entire degree.