

**Transfer Model Curriculum (TMC) Template for Mathematics**

**CCC Major or Area of Emphasis:** Mathematics

**TOP Code:** 170100

**CSU Major(s):** Mathematics

**Total Units:** 18 (all units are minimum semester units)

In the four columns to the right under the **College Program Requirements**, enter the college's course identifier, title and the number of units comparable to the course indicated for the TMC. If the course may be double-counted with either CSU-GE or IGETC, enter the GE Area to which the course is articulated. To review the GE Areas and associated unit requirements, please go to Chancellor's Office Academic Affairs page, RESOURCE section located at:

<http://extranet.cccco.edu/Divisions/AcademicAffairs/CurriculumandInstructionUnit/TransferModelCurriculum.aspx>

or the ASSIST website:

[http://web1.assist.org/web-assist/help/help-csu\\_ge.html](http://web1.assist.org/web-assist/help/help-csu_ge.html).

The units indicated in the template are the **minimum** semester units required for the prescribed course or list. All courses must be CSU transferable. **All courses with an identified C-ID Descriptor must be submitted to C-ID prior to submission of the Associate Degree for Transfer (ADT) proposal to the Chancellor's Office.**

Where no **C-ID Descriptor** is indicated, discipline faculty should compare their existing course to the example course(s) provided in the TMC at:

<http://www.c-id.net/degreereview.html>

Attach the appropriate ASSIST documentation as follows:

- *Articulation Agreement by Major (AAM)* demonstrating lower division preparation in the major at a CSU;
- *CSU Baccalaureate Level Course List by Department (BCT)* for the transfer courses; and/or,
- *CSU GE Certification Course List by Area (GECC).*

The acronyms **AAM**, **BCT**, and **GECC** will appear in **C-ID Descriptor** column directly next to the course to indicate which report will need to be attached to the proposal to support the course's inclusion in the transfer degree. To access ASSIST, please go to <http://www.assist.org>.

Associate in Science in Mathematics for Transfer Degree						
College Name: Oxnard College						
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area	
					CSU	IGETC
<b>REQUIRED CORE: (12 units)</b>						
<b>Select 1 of 3 options</b>						
<b>Option 1:</b>						
Single Variable Calculus I – Early Transcendentals (4)	MATH 210	MATH R120	Calculus with Analytic Geometry I	5	B4	2A
<b>OR</b>	<b>OR</b>					
Single Variable Calculus I – Late Transcendentals (4)	MATH 211					
Single Variable Calculus II – Early Transcendentals (4)	MATH 220	MATH R121	Calculus with Analytic Geometry II	5	B4	2A
<b>OR</b>	<b>OR</b>					
Single Variable Calculus II – Late Transcendentals (4)	MATH 221					
Multivariable Calculus (4)	MATH 230	MATH R122	Calculus with Analytic Geometry III	5	B4	2A
<b>OR</b>						
<b>Option 2:</b>						
Single Variable Calculus Sequence (8)	MATH 900S					
<b>OR</b>	<b>OR</b>					

Single Variable Calculus I – Early Transcendentals (4) <b>AND</b> Single Variable Calculus II – Early Transcendentals (4)	MATH 210  <b>AND</b> MATH 220					
<b>OR</b> Single Variable Calculus I – Late Transcendentals (4) <b>AND</b> Single Variable Calculus II – Late Transcendentals (4)	<b>OR</b> MATH 211  <b>AND</b> MATH 221					
Multivariable Calculus (4)	MATH 230					
<b>OR</b>						
<b>Option 3:</b>						
Single Variable and Multivariable Calculus Sequence (3 semester/4 quarters for 12 units)	<b>AAM</b>					
<b>Select 6 units minimum from the LISTS below with at least 3 units from LIST A.</b>						
<b>LIST A: Select one to two</b> (3-6 units)						
Ordinary Differential Equations (3)	MATH 240	MATH R143	Differential Equations	3	B4	2A
Introduction to Linear Algebra (3)	MATH 250	MATH R134	Linear Algebra	3	B4	2A
<b>OR</b>						
Differential Equations and Linear Algebra (5)	MATH 910S					
<b>LIST B: Select one</b> (1-4 units)						
Discrete Mathematics (3)	MATH 160					
Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 205	PHYS R131	Physics for Scientists and Engineers 1	5	B1, B3	5A, 5C
Mathematical Computing Systems (1)	<b>AAM</b>					
Computer Programming (3)	<b>AAM</b>					
Proof (3)	<b>AAM</b>					
Introduction to Statistics (3)	MATH 110	MATH R105	Introductory Statistics	4	B4	2A
		MATH R105H	Honors: Introductory Statistics	4	B4	2A
<b>Total Units for the Major:</b>	<b>18</b>	<b>Total Units for the Major:</b>		<b>21-23</b>		
<b>Total Units that may be double-counted</b> <i>(The transfer GE Area limits must <u>not</u> be exceeded)</i>					3-6	3-7
<b>General Education (CSU-GE or IGETC) Units</b>					<b>39</b>	<b>37</b>
<b>Elective (CSU Transferable) Units</b>					3-4	5-7

**NOTE:**

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