

ADT Submission Form 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*)

Form # 2001

Rev. 4: 09/01/14

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 form. If the course may be double-counted with Cal-GETC, 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:

<https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/What-we-do/Curriculum-and-Instruction-Unit/Templates-For-Approved-Transfer-Model-Curriculum>

or the ASSIST website: <https://www.assist.org/>

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 form 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: Los Angeles Pierce College					
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	Cal-GETC
REQUIRED CORE: (12 units) Select 1 of 3 options					
Option 1: Single Variable Calculus Sequence and Multivariable Calculus	MATH 900S MATH 230				
Option 2: Single Variable Calculus I – Early Transcendentals and Single Variable Calculus II – Early Transcendentals and Multivariable Calculus	MATH 210 MATH 220 MATH 230	MATH 261 MATH 262 MATH 263	Calculus I Calculus II Calculus III	5 5 5	2 2
Option 3: Single Variable Calculus I – Late Transcendentals and Single Variable Calculus II – Late Transcendentals and Multivariable Calculus	MATH 211 MATH 221 MATH 230				

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TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	Cal-GETC
LIST A: Select (3 units minimum)					
Ordinary Differential Equations (3)	MATH 240	MATH 275	Ordinary Differential Equations	3	2
Introduction to Linear Algebra (3)	MATH 250	MATH 270	Linear Algebra	3	
Differential Equations and Linear Algebra (5)	MATH 910S				
LIST B: Select additional courses/units so that List A and List B courses total a minimum of 6 units					
Discrete Mathematics (3)	MATH 160				

Calculus-Based Physics for Scientists and Engineers: A (4 units) (Any course articulated as preparation for the physics major at a CSU)	PHYS 205	PHYSICS 101	Physics for Engineers and Scientists I	5	5A & 5C
Mathematical Computing (1 unit) Systems (see sample)	AAM				
Computer Programming (3) Computer Programming: Any programming course that is articulated preparation for the math major at a CSU.	AAM	CS 114 CS 116	Programming in C Programming in C++	3 3	
Proof (3)	AAM				
Introduction to Statistics (3)	MATH 110	STAT C1000 OR MATH 228B OR STAT 101	Introduction to Statistics Statistics Pathway Part II Statistics for the Social Sciences	4 5 4	2 2 2

Total Units for the Major:	18	Total Units for the Major:	21-23	
		Total Units that may be double-counted (The transfer GE Area limits must <u>not</u> be exceeded)	3-7	
		General Education (Cal-GETC) Units		34
		Elective Units	6-12	
		Total Degree Units (maximum)		60

NOTE:

* All units are based on the semester and indicated minimum units. 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.