

**Transfer Model Curriculum (TMC) Template for Physics****CCC Major or Area of Emphasis:** Physics**TOP Code:** 190200**CSU Major(s):** Physics; Physics Education**Total Units:** 24 (all units are minimum semester units)

Template # 2005

Rev. 3: 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 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.**

Associate in Science in Physics for Transfer Degree					
College Name:					
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area: CSU
<b>REQUIRED CORE: (24 units)</b>					
Calculus-Based Physics for Scientists and Engineers: ABC (12)	PHYS 200S				
<b>OR</b>					
Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 205				
Calculus-Based Physics for Scientists and Engineers: B (4)	PHYS 210				
Calculus-Based Physics for Scientists and Engineers: C (4)	PHYS 215				
<b>Select 1 of 2 options</b>					
<b>Option 1: (12 units)</b>					
Single Variable Calculus I – Early Transcendentals (4)	MATH 210				
<b>OR</b>					
Single Variable Calculus I – Late Transcendentals (4)	MATH 211				
Single Variable Calculus II – Early Transcendentals (4)	MATH 220				
<b>OR</b>					
Single Variable Calculus II – Late Transcendentals (4)	MATH 221				
Multivariable Calculus (4)	MATH 230				
<b>OR</b>					
<b>Option 2: (12 units)</b>					
Single Variable Calculus Sequence (8)	MATH 900S				
Multivariable Calculus (4)	MATH 230				
<b>Total Units for the Major:</b>	<b>24</b>	<b>Total Units for the Major:</b>			
		<b>Total Units that may be double-counted</b> (The transfer GE Area limits must <u>not</u> be exceeded)			
		<b>General Education (CSU-GE or IGETC) Units</b>		<b>39</b>	<b>37</b>

	Elective (CSU Transferable) Units			
	Total Degree Units (maximum)		60	