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)

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.ccco.edu/Divisions/AcademicAffairs/CurriculumandInstructionUnit/TransferModelCurriculum.aspx or the ASSIST website: 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: Santa Rosa Junior College											
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS									
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Are	ea GETC					
REQUIRED CORE: (24 units)											
Calculus-Based Physics for Scientists and Engineers: ABC (12)	PHYS 200S	PHYS 40	Classical Mechanics for Scientists and Engineers	5	50	A, C					
		PHYS 41	Waves, Optics, and Thermodynamics for Scientists and Engineers	4		A, C					
		PHYS 42	Electricity and Magnetism for Scientists and Engineers	4		A,					
		PHYS 43	Modern Physics for Scientists and Engineers	3							
OR											
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										
Select 1 of 2 options											
Option 1: (12 units) Single Variable Calculus I – Early	MATH 210										
Transcendentals (4)											
OR Single Variable Calculus I – Late	OR MATH 211										
Transcendentals (4)											
Single Variable Calculus II – Early Transcendentals (4)	MATH 220										
OR	OR										
Single Variable Calculus II – Late Transcendentals (4)	MATH 221										
Multivariable Calculus (4)	MATH 230										
OR											
Option 2: (12 units)											
Single Variable Calculus Sequence (8) Multivariable Calculus (4)	MATH 900S MATH 230	MATH 1A MATH 1B	Calculus, First Course Calculus, Second Course	5 5		A A					

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Template # 2005

Rev. 3: 09/01/14

		MATH 1B MATH 1C	Calculus, Second Course Calculus, Third Course	4		
Total Units for the Major:	24	Total Units for the Major: 30				
		_	Total Units that may be double-counted (The transfer GE Area limits must not be exceeded)			7
	General Education (CSU-GE or IGETC) Units			39	37	
			Elective (CSU Transferable) Units		0
		Total Degree Units (maximum)		6	0	

^{*}NOTE – to keep this major degree under 60 units, only the GE IGETC pattern can be used