UC Transfer Pathway (UCTP) Template for Physics
CCC Major or Area of Emphasis: Physics
TOP Code: 190200
UC Major(s): Physics
Total Units: 40 *(all units are semester units)*

This template is for the UC Transfer Pathway in Physics; it is not subject to the limitations set forth by SB 1440/ SB 440. The template guarantees admission into the University of California system in a Physics program for students who meet the minimum 3.5 GPA in the major.

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. This template's general education requirements presume completion of two courses in Area 3 and two courses in Area 4 after transfer to the University of California to complete an entire IGETC pattern. This represents typical course taking patterns for the discipline.

The units indicated in the template are the **minimum** semester units required for the prescribed course or list. All courses must be UC transferable. ***All courses must be submitted to C-ID prior to completing the proposal for Chancellor's Office approval.***

Note: Narrative needs to explain two deferred courses in Area 3 and two deferred courses in Area 4.

Associate in Science in Physics for UC Transfer **College Name:**					
UC TRANSFER PATHWAY (UCTP)		**COLLEGE PROGRAM REQUIREMENTS**			
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**IGETC Area**
REQUIRED CORE: (40 units)					
General Chemistry for Science Majors Sequence A (10)	CHEM 120S				
Calculus-based Physics for Scientists and Engineers: A (12) **OR** Calculus-based Physics for Scientists and Engineers: A (4) **AND** Calculus-based Physics for Scientists and Engineers: B (4) **AND** Calculus-based Physics for Scientists and Engineers: C (4)	PHYS 200S **OR** PHYS 205 **AND** PHYS 210 **AND** PHYS 215				
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				

Ordinary Differential Equations (3) **AND** Linear Algebra (3) **OR** Differential Equations and Linear Algebra (5)	MATH 240 AND MATH 250 OR MATH 910-S				
IGETC General Education Requirements (20 units)					
Area 1A Freshman Composition (3 units)					
Area 1B Critical Thinking (3 units)					
Area 3 Arts and Humanities (3 units)					
Area 4 Social and Behavior Science (3 units)					
Area 5B Biological Science (4 units)					
Area 6 Language other than English (0-4 units)					
Total Units for the Major:	**40**	**Total Units for the Major:**			
		General Education (IGETC) Units			
		Elective (IGETC Transferable) Units			
		Total Degree Units			