



Curriculum Committee Agenda

Multi-Disciplinary Center–West 312 (MCW-312)

August 20, 2019

ALL COURSES/PROGRAMS IDENTIFIED IN THE ATTACHMENTS WILL BECOME EFFECTIVE FALL 2020 UNLESS OTHERWISE NOTED.

I. ROLL CALL (Quorum is 9 out of 17 voting members)

VOTING MEMBERS		
Faculty co-chair	Michael Bowen	
Articulation Officer	Thao Brabander	
Technical Review Chair	Michael Callahan	
Academic Senate President	Lydia Morales	
AFT Rep.	Vacant	
Career Education I Division	Kelly Wellman	(Vacant)
Career Education II Division	Chad Stangeland	John Clark
College Outcome Group Representative	Asher Sund or Aurora Meadows	
English & Math Division	Peter Yi	(Vacant)
Health, KIN, ICA, Performing & Visual Arts Division	Jeff Fischer	Maline Werness-Rude
Library, Languages, Behavioral & Social Sciences Division	Scott Corbett	(Vacant)
Librarian	Peter Sezzi	
Sciences Division	Chloe Branciforte	Jennifer Garner
Student Services Division	Mario Rivera	Angelica Gonzales (subst. for Gema Espinoza Sanchez)
NON-VOTING MEMBERS		
CIO co-chair (Interim)	Jennifer Kalfsbeek-Goetz	
ASVC Rep. (ASVC Senator of Internal Affairs)	Claribelle Ezennia	
Dean	Tim Harrison	Dan Kumpf
Dean	Lisa Putnam	Felicia Dueñas
Dean	Lynn Wright	Marcelo Vazquez
Dean	Debbie Newcomb	Phil Briggs
Academic Data Specialist	Olivia Long	
Academic Data Specialist	Kelly Denton	
Recorder/Curriculum Technician	Sarah Ayala	
Distance Education Liaison	Sharon Oxford	
Registrar (Interim)	Sarah Mossembekker	

II. ADOPTION OF THE PROPOSED AGENDA (Discussion/Action)

III. INTRODUCTIONS, GENERAL ANNOUNCEMENTS, AND PUBLIC COMMENTS (Information)¹

- A. Introduction and welcome of new members (Information)—M. Bowen**
- B. CourseLeaf CIM status (Information)—M. Bowen and COG representative**
 - 1. System status and major outstanding bugs**
 - i. Program revisions and deletions
 - ii. Distance education proposals
 - iii. Same-as (co-listed) courses
 - 2. Integration of CSLO/PSLO modifications with CIM procedures**
- C. Title 5 index and curriculum website list (Information) (Attachment)—M. Bowen**
- D. Public comments**

IV. PLANNING, PROCEDURES, AND TRAINING (Information or Discussion/Action)

- A. Adoption of Curriculum Committee meeting date calendar for AY 19–20 (Discussion/Action) (Attachment)—M. Bowen**
- B. Curriculum and articulation goals for AY 19–20 (Information) (Attachment)—M. Bowen and T. Brabander**
- C. Suspension of 5-year review requirement for AY 19–20**
- D. ASCCC Curriculum Institute report (Information)—M. Bowen**
 - 1. Title 5 and CCCCCO update highlights**
 - i. A noncredit course may be a requisite for a credit course (55002(c)(5))
 - ii. Requisites may be justified if expressly required by 4-year schools with which we have transfer agreements (55003(d)(1))
 - iii. If a course satisfies English/Math competency, then it must also satisfy local GE area D1/D2 (55063)
 - iv. DE addenda must document how courses achieve regular effective contact among students and comply with ADA-and section 508 (55206)
 - v. Proficiency awards of 16.0–17.5 units must be converted to COAs (55070(a))
 - vi. From CCCCCO: More streamlining is coming, and new MIS CB codes for AB 705
 - 2. University of California Transfer Pathway (UCTP) degrees (Attachments)**
- E. CourseLeaf CIM Training (Information)—M. Bowen**

**NEXT MEETING
September 3, 2019—MCW-312**

¹ Five minutes is allotted to any member of the public who wishes to address the curriculum committee, with a maximum of twenty minutes per topic aggregated for all speakers, unless extended by vote of the committee. At the request of any speaker proposing to address a specific agenda item, the committee may also vote to permit that speaker's comments to be deferred until the meeting progresses to that topic.

Written materials relating to a Curriculum Committee meeting item that are distributed to at least a majority of the Curriculum Committee members less than 72 hours before a noticed meeting and that are public record not otherwise exempt from disclosure will be available for inspection at Ventura College located at 4667 Telegraph Road, Ventura, CA 93003 or at the Curriculum Committee meeting.

Pursuant to the Federal Americans with Disabilities Act, if you require any special accommodation or assistance to attend or participate in the meeting, please direct your written request, as far in advance of the meeting as possible, to the office of:

Jennifer Kalfsbeek-Goetz, Interim Vice President Academic Affairs
Ventura College - 4667 Telegraph Road - Ventura, CA 93003 - (805) 289-6464

College	Public Curriculum Site URL (courses)
Allan Hancock	http://www.curricunet.com/Hancock/search/course/
American River	Socrates (no known public interface)
Antelope Valley	http://www.curricunet.com/AVC/
Bakersfield	https://bakersfield.elumenapp.com/public/
Barstow Community	http://www.curricunet.com/barstow/search/course/
Berkeley City	http://www.curricunet.com/pccd/search/course/
Butte	https://www.butte.edu/departments/curriculum/course_outlines/index_curricunet.php
Cabrillo	https://cabrillo.elumenapp.com/public/
Cañada	http://www.curricunet.com/SMCCCD/search/course/
Cerritos	https://cerritos.elumenapp.com/public/
Cerro Coso Community	http://files.cerrocoso.edu/cic/COR/
Chabot	http://www.curricunet.com/chabot/search/course/
Chaffey	http://www.curricunet.com/chaffey/
Citrus	http://www.curricunet.com/CITRUS/search/course/
City College of San Francisco	https://ccsf.curricunet.com/PublicSearch#
Clovis Community	https://www.cloviscollege.edu/faculty-and-staff/curriculum/curriculum-outlines.html
Coastline Community	https://www.curricunet.com/Coast/search/course/
College of Alameda	http://www.curricunet.com/pccd/search/course/
College of the Canyons	https://canyons.elumenapp.com/public/
College of the Desert	http://www.collegeofthedesert.edu/students/cs/Pages/Course-Outlines.aspx
College of Marin	https://netapps.marin.edu/Apps/Directory/ScheduleSearch.aspx
College of the Redwoods	https://inside.redwoods.edu/Curriculum/Outlines/
College of San Mateo	http://www.curricunet.com/SMCCCD/search/course/
College of the Sequoias	http://www.cos.edu/About/Governance/AcademicSenate/Curriculum/Pages/default.aspx
College of the Siskiyous	https://siskiyous.elumenapp.com/public/
Columbia	http://www.curricunet.com/columbia/search/course/
Consumnes River	Socrates (no known public interface)
Contra Costa	http://docs.contracosta.edu/docs/committees/index.php?dir=Curriculum+Instruction+Committee+%28CI
Copper Mountain	No known public interface
Crafton Hills	http://www.curricunet.com/Crafton/search/course/
Cuesta	http://www.curricunet.com/cuesta/search/course/
Cuyamaca	Grossmont-Cuyamaca district appears to maintain paper CORs; no known public interface

Cypress	http://www.curricunet.com/cypress/search/course/
De Anza	http://ecms.deanza.edu/deptoutlinespublic.html
Diablo Valley	Unsure; putative site was unreachable when I tested it.
East Los Angeles	http://ecd.laccd.edu/CC_Search_1.aspx
El Camino	http://www.curricunet.com/elcamino/search/course/
Evergreen Valley	http://www.evc.edu/home/curricunet
Feather River	https://frc.curricunet.com/Account/Logon?ReturnUrl=%2f
Folsom Lake	Socrates (no known public interface)
Foothill	https://foothill.edu/schedule/outlines.html
Fresno City	
Fullerton	http://www.curricunet.com/fullerton/search/course/
Gavilan	http://www.gavilan.edu/committee/curriculum/course_outlines.php
Glendale Community	https://www.glendale.edu/about-gcc/faculty-and-staff/c-i-curriculum-and-instruction/course-outlines-of-
Golden West	https://www.curricunet.com/Coast/search/course/
Grossmont	Grossmont-Cuyamaca district appears to maintain paper CORs; no known public interface
Hartnell	http://www.curricunet.com/Hartnell/search/course/
Imperial Valley	http://imperial.curricunet.com/PublicSearch/Index
Irvine Valley	http://www.curricunet.com/irvine/
Lake Tahoe Community	
Laney	http://www.curricunet.com/pccd/search/course/
Las Positas	http://www.laspositascollege.edu/courseOutlines/index.php
Lassen Community	http://www.lassencollege.edu/academics/course-outlines/Pages/default.aspx
Long Beach City	https://apps.lbcc.edu/curriculum/
Los Angeles City	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Harbor	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Instructional TV	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Mission	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Pierce	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Southwest	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Trade Technical	http://ecd.laccd.edu/CC_Search_1.aspx
Los Angeles Valley	http://ecd.laccd.edu/CC_Search_1.aspx
Los Medanos	https://www.losmedanos.edu/catalog/coor/index.aspx
Mendocino	https://mendocino.elumenapp.com/public/
Merced	http://www.curricunet.com/merced/search/course/

Merritt	http://www.curricunet.com/pccd/search/course/
Mesa	http://www.curricunet.com/sdccd/search/course/
Mira Costa	http://miracosta.curricunet.com/PublicSearch/Index/
Miramar	http://www.curricunet.com/sdccd/search/course/
Mission	
Modesto Junior	http://www.curricunet.com/mjc/search/course/
Monterey Peninsula	http://www.curricunet.com/mpc/search/course/
Moorpark	
Moreno Valley	http://rccd.curricunet.com/PublicSearch/Index
Mt. San Antonio	http://webcms.mtsac.edu/college_selection.asp
Mt. San Jacinto	https://www.curricunet.com/msjc/search/course/
Napa Valley	http://www.curricunet.com/napa/search/course/
Norco	http://rccd.curricunet.com/PublicSearch/Index
Ohlone	http://www.curricunet.com/ohlone/search/course/
Orange Coast	https://www.curricunet.com/Coast/search/course/
Oxnard	
Palo Verde	https://pvc.elumenapp.com/public/
Palomar	http://palomar.curricunet.com/PublicSearch
Pasadena City	https://webcms.pasadena.edu/webcms/PublicAccess.aspx
Porterville	
Reedley	https://reedleycollege.elumenapp.com/public/
Rio Hondo	
Riverside City	http://rccd.curricunet.com/PublicSearch/Index
Sacramento City	Socrates (no known public interface)
Saddleback	http://www.curricunet.com/saddleback/
San Bernardino Valley	http://www.curricunet.com/SBVC/search/course/
San Diego City	http://www.curricunet.com/sdccd/search/course/
San Joaquin Delta	http://www.curricunet.com/delta/search/course/
San Jose City	http://www.sjcc.edu/home/curriculum-course-and-program-outlines
Santa Ana	https://www.curricunet.com/sac/search/course/
Santa Barbara City	http://sbcc.curricunet.com/PublicSearch/Index
Santa Monica	http://www.curricunet.com/SantaMonica/search/course/
Santa Rosa Junior	https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx
Santiago Canyon	https://www.curricunet.com/sccc/search/course/

Shasta	http://www.curricunet.com/shasta/search/course/
Sierra	
Skyline	http://www.curricunet.com/SMCCCD/search/course/
Solano Community	http://www.curricunet.com/solano/search/course/
Southwestern	http://www.curricunet.com/Southwestern/search/course/
Taft	
Ventura	
Victor Valley	http://www.curricunet.com/victorvalley/search/course/
West Hills College Coalinga	
West Hills College Lemoore	
West Los Angeles	http://ecd.laccd.edu/CC_Search_1.aspx
West Valley	https://westvalley.elumenapp.com/public/
Woodland Community	http://wcc.curricunet.com/publicsearch/index
Yuba	http://wcc.curricunet.com/publicsearch/index

Notes or alternative URL

<http://peralta.curricunet.com/PublicSearch/Index>
<http://www.curricunet.com/butte/search/course/>

FTP directory listing; self-documenting file names

Log on as "Adjunct Faculty and Staff" and access the Active course outline.

Use of Advanced Search feature is recommended

<http://peralta.curricunet.com/PublicSearch/Index>

Temporary site until new CMS is installed

Click on the course ID and title directly from the class schedule to view the COR.

CORs are below the list of Curriculum Resources in the first column; scroll a bit.

[C%29%2FCourse+Outlines%2F](#)

Some (but not all) departments list CORs on their department pages.

District site; course searches may be filtered by college

Default search is for programs; click on "Course" button before searching.

URL provided for reference only; the site is password protected (no public access)

record

Some (but not all) departments list CORs on their department pages.

Default search is for programs; click on "Course" button before searching.

<http://peralta.curricunet.com/PublicSearch/Index>

District site; course searches may be filtered by college

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District site; course searches may be filtered by college

District site; course searches may be filtered by college

<http://peralta.curricunet.com/PublicSearch/Index>

Default search is for programs; click on "Course" button before searching.

<http://www.paloverde.edu/curriculum-committee/pdf-course-outlines.aspx>

Use of Advanced Search feature is recommended

Default search is for programs; click on "Course" button before searching.

Default search is for programs; click on "Course" button before searching.

District site; course searches may be filtered by college

Ventura College 2019-2020 Curriculum Committee Calendar

Curriculum Committee/Trainings: 3pm - MCW 312 Tech Review: 2pm - LRC 125 P&GE: 3pm - MCW 312

AUGUST						
SU	MO	TU	WE	TH	FR	SA
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER						
SU	MO	TU	WE	TH	FR	SA
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER						
SU	MO	TU	WE	TH	FR	SA
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER						
SU	MO	TU	WE	TH	FR	SA
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER						
SU	MO	TU	WE	TH	FR	SA
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Important Reminders:
August 2019
 TBD CourseLeaf Training
 20 Curriculum Committee Training

September 2019
 2 Labor Day

October 2019
 29 P&GE Meeting
 TBD – Deadline?

November 2019
 11 Veteran's Day (Observed)
 28-29 Thanksgiving Holiday

December 2019
 12-18 Finals Week
 24-31 Winter Holidays

January 2020
 1 New Year's Day
 TBD Deadline?
 20 Martin Luther King Holiday

February 2020
 14-17 Lincoln and Washington Holiday

March 2020
 31 P&GE Meeting

April 2020
 6-10 Spring Break

May 2020
 8-14 Finals
 15 Commencement
 25 Memorial Day Holiday

JANUARY						
SU	MO	TU	WE	TH	FR	SA
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY						
SU	MO	TU	WE	TH	FR	SA
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2	3	4	5	6	7	8
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23	24	25	26	27	28	29

MARCH						
SU	MO	TU	WE	TH	FR	SA
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL						
SU	MO	TU	WE	TH	FR	SA
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY						
SU	MO	TU	WE	TH	FR	SA
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

	First Day of Semester
	Curriculum Committee Meetings
	Tech Review Meetings
	P&GE Meeting
	Training
	Holidays
	Deadlines

VC Curriculum Team's Goals for the Academic Year 2019-20

I. Curriculum Goals

- A. Manage CourseLeaf system operations for the college and identify/correct problems.
- B. Initiate campaign to identify and correct the program requirements published in the catalog (see Articulation Goals for additional details and focus), addressing errors in ADTs and local programs with discipline faculty and the TR/CC team with a goal of satisfying ACCJC standards I.C.2. and II.A.6. by:
 - 1. Examining courses not recently offered, focusing on those that are identified as major requirements, and developing a plan of action.
 - 2. Addressing errors in local local programs with the discipline faculty and the TR/CC teams.
 - 3. Upgrading 16- to 17.5-unit proficiency awards to COAs.
- C. Update the Curriculum Handbook to document curriculum and CourseLeaf processes and to integrate the Articulation Supplement.

We will be suspending the 5-year review cycle requirement for the academic year 2019–20 to free resources for CourseLeaf CIM tuning. We will publish the next Priority-1 list of courses requiring 5-year review around February 2020 to kick off next year's curriculum review cycle.

II. Articulation Goals

- A. Provide information to appropriate divisions/departments for possible new program development (UCTP [Chemistry and Physics] and ADTs).
- B. Consult with discipline faculty and the TR/CC teams to identify existing programs containing errors, with a focus on ADT degrees, by:
 - 1. Aligning the course requirements with the most recent State TMC templates (late Fall 2019).
 - 2. Submitting courses for C-ID approval when applicable (as soon as possible after VC course approval).
 - 3. Assisting faculty with incorporating the approved C-ID courses in the existing ADT degree programs (Spring 2020 and beyond).
 - 4. Consulting with the CC/TR chairs to identify courses required for program and/or transfer completion that are not being offered frequently enough and agree on what adjustments to make.
- C. Develop a VC Articulation Supplement for the VC Curriculum Handbook.
- D. Maintain articulation activities to align with the college's mission.
- E. Manage the VC ASSIST web presence and C-ID related activities.

Selected ACCJC Standards

Standard I.C.2.: “The institution provides a print or online catalog for students and prospective students with precise, *accurate, and current information* on all facts, requirements, policies, and procedures listed in the ‘Catalog Requirements’ (see endnote). (ER 20)” [emphasis added]

Excerpt from ER20 [Integrity in Communication with the Public]: “The institution provides a print or electronic catalog for its constituencies with precise, accurate, and current information...”

Standard II.A.6.: “The institution schedules courses in a manner that allows students to *complete certificate and degree programs within a period of time consistent with established expectations in higher education*. (ER 9)” [emphasis added]

Excerpt from ER9 [Educational Programs]: “The institution's principal degree programs are congruent with its mission, are based on recognized higher education field(s) of study, are of sufficient content and length, are conducted at levels of quality and rigor appropriate to the degrees offered, and culminate in identified student outcomes....”

UC Transfer Pathway (UCTP) Template for Chemistry**CCC Major or Area of Emphasis:** Chemistry**TOP Code:** 190500**UC Major(s):** Chemistry**Total Units:** 45 (*all units are semester units*)

Template # 0002

Original: 08/02/19

This template is for the UC Transfer Pathway in Chemistry; 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 Chemistry 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 UCTP. If the course may be double-counted with 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.***

Associate in Science in Chemistry 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: (45 units)					
General Chemistry for Science Majors Sequence A (10)	CHEM 120S				
Organic Chemistry for Science Majors Sequence A (8)	CHEM 160S				
Calculus-based Physics for Scientists and Engineers: ABC (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) OR Differential Equations and Linear Algebra (5)	MATH 240 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:	45	Total Units for the Major:			
		General Education (IGETC) Units			
		Elective (IGETC Transferable) Units			
		Total Degree Units			

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*)

Template # 0001

Original: 08/02/2019

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)	PHYS 200S			
OR	OR			
Calculus-based Physics for Scientists and Engineers: A (4)	PHYS 205			
AND	AND			
Calculus-based Physics for Scientists and Engineers: B (4)	PHYS 210			
AND	AND			
Calculus-based Physics for Scientists and Engineers: C (4)	PHYS 215			
Single Variable Calculus I – Early Transcendentals (4)	MATH 210			
OR	OR			
Single Variable Calculus I – Late Transcendentals (4)	MATH 211			
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			
Ordinary Differential Equations (3)	MATH 240			
AND	AND			
Linear Algebra (3)	MATH 250			
OR	OR			

Differential Equations and Linear Algebra (5)	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			

**MEMORANDUM**

August 2, 2019

AA 19-30 | Via Email

TO: Chief Executive Officers
Chief Instructional Officers
Chief Student Services Officers
Articulation Officers
Curriculum Chairs

FROM: Alice Perez, Vice Chancellor, Educational Services and Support
John Stanskas, President, Academic Senate

RE: Updated UC Guaranteed Transfer Pathways Templates for Chemistry and Physics

The University of California Transfer Pathways (UCTP) Guarantee pilot project in Chemistry and Physics templates (TMC) were released in early July. Since their release, questions from the field have required updates to the templates for better clarification. The changes include:

- Clarification regarding the GPA of 3.5 in the major;
- Confirmation that the language requirement can be completed in high school;
- Verification that C-ID Math 910-S is acceptable for Math 240 and Math 250.

Additional details, not presented on the TMCs, affirm that course units presented are minimum requirements. Units can exceed the units presented on the TMC. Lastly, local degree requirements cannot be used when developing the UCTPs.

We appreciate and acknowledge the work of the Academic Senate for the California Community Colleges (ASCCC) in aiding and updating the TMCs. If you have any additional questions please contact Raul Arambula, dean of Curriculum, Chancellor's Office.

cc: Eloy Oakley, Chancellor
Daisy Gonzales, Deputy Chancellor
Marty Alvarado, Executive Chancellor