



Articulation 101

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Agenda

- Curriculum Timeline
- Transferability
- GE Approval
- Upcoming Changes
- Opportunities/Trends
- Q & A





C & I (Curriculum) Timeline

- The college uses a **fall → fall / spring → spring** approval calendar
- Therefore, a new course (or a course with a substantial change or non-substantial change B) approved in Fall will be in effect the following academic year and in the Fall schedule of classes*

* If seeking GE approval, should expect to offer it the following year (2 year timeline)



CSU Transferability

- Locally determined per the [CSU Transfer of Credit policy](#)
- No external deadline to submit courses for CSU transferability – follow C & I timeline



UC Transferability

- UC Office of the President (UCOP) approves transfer level courses per the [UC TCA policy](#)
- Textbooks must be dated within 7 years of the course submission date or identified as a “Classic Text” in the COR
 - Open Educational Resources (OER), or online/digital texts, are acceptable if they are stable and publicly available as published textbooks, not a list of web links
- Courses are submitted for UC TCA review in June each year



CSU GE Breadth

- For students who only want to transfer to a CSU
- Ethnic Studies required for all students entering **Fall 2021**

Area	Subject	Courses/ Units
A	Oral Communication Written Communication Critical Thinking	1 course (3 units) 1 course (3 units) 1 course (3 units)
B	Physical Science Life Science Lab Activity <i>(associated with B1 or B2)</i> Mathematics/Quantitative Reasoning	1 course (3 units) 1 course (3 units) *Possible 1 unit 1 course (3 units)
C	Arts Humanities Arts or Humanities	1 course (3 units) 1 course (3 units) 1 course (3 units)
D	Social Sciences	2 courses (6 units)
E	Lifelong Learning and Self-Development	1 course (3 units)
F	Ethnic Studies	1 course (3 units)
	Total Units	39-40*



IGETC

- For students who want to transfer to a CSU or UC
- No lifelong learning and self-development requirement

Area	Subject	Courses/ Units
1	English Composition Critical Thinking Oral Communication (CSU requirement only)	1 course (3 units) 1 course (3 units) *1 course (3 units)
2A	Mathematical Concepts/ Quantitative Reasoning	1 course (3 units)
3	Arts Humanities Arts or Humanities	1 course (3 units) 1 course (3 units) 1 course (3 units)
4	Social and Behavioral Sciences	3 courses (9 units)
5	Physical Science Biological Science Lab	1 course (3 units) 1 course (3 units) (1 unit)
6	Language Other than English (UC requirement only)	N/A
	Total Units	34-37*



IGETC

- For students entering **Fall 2023**

Area	Subject	Courses/ Units
1	English Composition Critical Thinking Oral Communication (CSU requirement only)	1 course (3 units) 1 course (3 units) *1 course (3 units)
2A	Mathematical Concepts/ Quantitative Reasoning	1 course (3 units)
3	Arts Humanities Arts or Humanities	1 course (3 units) 1 course (3 units) 1 course (3 units)
4	Social and Behavioral Sciences	2 courses (6 units)
5	Physical Science Biological Science Lab	1 course (3 units) 1 course (3 units) (1 unit)
6	Language Other than English (UC requirement only)	N/A
7	Ethnic Studies	1 course (3 units)
	Total Units	34-37



AB 928 – Placing Students on a Pathway and CalGETC

- “Where ADTs for major pathways exist, the bill would require the California Community Colleges, **on or before August 1, 2024**, to **place students** who declare a goal of transfer on their mandatory education plans **on the ADT pathway** if the student has not opted out, as specified, and if such a pathway exists for their intended major”
 - More guidance forthcoming this Summer (hopefully)
- “The bill would require the **singular lower division general education pathway**, commencing with the **fall term of the 2025–26 academic year**, to be the only lower division general education pathway used to determine eligibility and sufficient academic preparation for transfer into both segments, and to not lengthen the time-to-degree or include more units than those required under the Intersegmental General Education Transfer Curriculum on July 1, 2021”



Current ADTs

- Administration of Justice
- Anthropology
- Art History
- Biology
- Business Administration (soon to be 2.0)
- Communication Studies (soon to be 2.0)
- Early Childhood Education
- Economics
- Elementary Teacher Education
- English
- Film, TV, & Electronic Media
- Geography
- Geology
- History
- Journalism
- Kinesiology
- Mathematics
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Social Justice: Gender Studies
- Social Work & Human Services
- Sociology
- Spanish
- Studio Arts
- Theatre Arts



Possible ADTs

- Child & Adolescent Development
- Global Studies
- Hospitality Management
- Law, Public Policy, & Society
- Public Health Science
- Social Justice:
 - General
 - African American Studies
 - Asian American Studies
 - Chicano Studies
 - Ethnic Studies
 - LGBTQ Studies
 - Native American Studies

Possible ADTs – Need to Reduce Units

- Chemistry
- Computer Science
- Environmental Science



Need more incentive? Higher allocation for ADTs per the SCFF!



CaIGETC

- One option for both UC and CSU bound students
- For students entering **Fall 2025**
- No lifelong learning and self-development requirement

Area	Subject	Courses/ Units
1	English Composition Critical Thinking Oral Communication	1 course (3 units) 1 course (3 units) 1 course (3 units)
2A	Mathematical Concepts/ Quantitative Reasoning	1 course (3 units)
3	Arts Humanities	1 course (3 units) 1 course (3 units)
4	Social and Behavioral Sciences	2 courses (6 units)
5	Physical Science Biological Science Lab	1 course (3 units) 1 course (3 units) (1 unit)
6	Language Other than English	N/A
7	Ethnic Studies	1 course (3 units)
	Total Units	34



GE Requirements for the Associate Degree

- For students entering **Fall 2024**
- Still awaiting guidance
- Ideally, should align with CSU GE Area F & IGETC Area 7

Area	Subject	Courses/ Units
1	Natural Sciences	1 course (3 units)
2	Social and Behavioral Sciences	1 course (3 units)
3	Humanities	1 course (3 units)
4	English Composition Communication and Analytical Thinking	1 course (3 units)
		1 course (3 units)
5	Ethnic Studies	1 course (3 units)
Total Units		18



Proposed GE Requirements for the Associate Degree

- The intent is to align GE patterns using the same structural framework
- Can still have more course options for each area
- These are the minimum requirements—colleges can include additional GE requirements

Area	Subject	Courses/ Units
1	English Composition Oral Communication	1 course (3 units) 1 course (3 units)
2	Mathematical Concepts/ Quantitative Reasoning	1 course (3 units)
3	Arts and Humanities	1 course (3 units)
4	Social and Behavioral Sciences	1 course (3 units)
5	Natural Sciences	1 course (3 units)
6	Ethnic Studies	1 course (3 units)
	Total Units	21



Expanding Degree Options

- Where the ADT is not feasible due to units...
- Where an ADT doesn't exist for a student's major...
- Where the student opts out of the ADT option to transfer to a UC, private, or out-of-state institution...

Consider creating degrees that align with transfer requirements



Expanding Degree Options

- AS in Physical Science – Chemistry
- UCLA – [BS in Chemistry](#)
- CSULB – [BS in Biology](#)
- One option – Repurposing to a General Science degree to align with subject matter requirements for the [Foundational-Level General Science](#) credential

Courses	Course Title	Units
PHYS 110	Introduction to Physics	3
CHEM 110	Elements of General Chemistry	5
OCEAN 115 or GEOL 101	Oceanography or Physical Geology	3 or 3
ASTRO 110 or ASTRO 120	Astronomy of the Solar System or Astronomy of Stars and Galaxies	3 or 3
CHEM 101	General Chemistry A	5
CHEM 102	General Chemistry B	5
Total Units		24
Courses	Course Title	Units
CHEM 101	General Chemistry A	5
CHEM 102	General Chemistry B	5
CHEM 105	Organic Chemistry A	5
CHEM 106	Organic Chemistry B	5
Total Units		20



Expanding Degree Options

- Student is applying to UCs as a Cognitive Science major
- Doesn't fit into a specific "box"
- Could earn a general studies degree

A sampling of some of the major preparation...

Courses	Course Title	Units
PSYCH 101	General Psychology	3
MATH 103E	Calculus and Analytic Geometry I	5
MATH 104E	Calculus and Analytic Geometry II	5
CHEM 110	Elements of General Chemistry	5
CS/IS 135	Programming in C/C++	3
CS/IS 137	C++ and Advanced Topics	4

General Studies degree options:

- Emphasis in Arts
- Emphasis in Humanities
- Emphasis in Interdisciplinary Studies
- Emphasis in Math
- Emphasis in Science
- Emphasis in Social and Behavioral Sciences

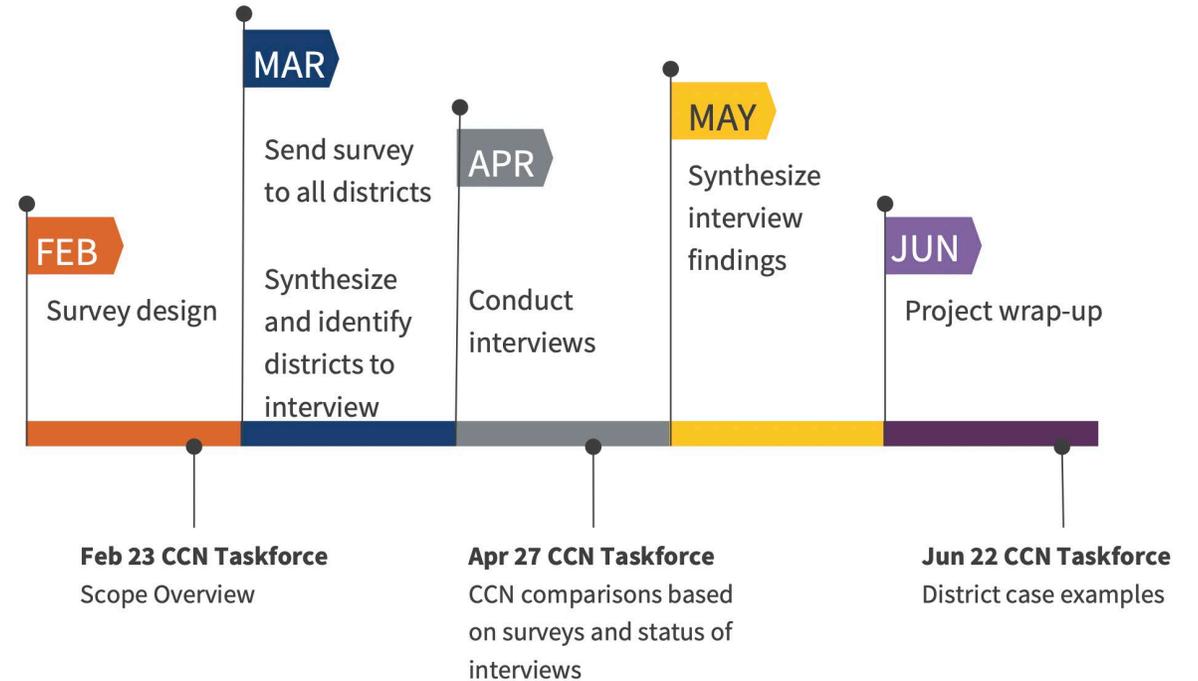
Select **18 units** from the list of courses



Not to Be Forgotten – AB 1111

- Expected to take effect in **Fall 2024**
- GCC was sent the survey

Common Course Numbering Research Timeline





Trends to Look Out For

- Labs required to be in-person (*USC and possibly UC/CSU*)
 - Will not impact admission; however, may be required to retake
- Foreign language required to be in-person (*USC*)

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Riverside
2022-2023 General Catalog, Quarter

From: Glendale Community College
2022-2023 General Catalog, Semester

Biology, B.A. or B.S.

GENERAL REQUIREMENTS

Applicants to majors in the College of Natural and Agricultural Sciences are selected on the basis of their academic preparation, as assessed by their GPA and the strength of preparation for their intended major. A GPA of at least 2.70 is required (This is a baseline GPA for consideration and not a guarantee of admission). Courses must be completed with a letter grade, with no grade lower than a "C". To be best prepared for upper division course work at UCR, students are advised to complete as many as possible of the lower division major requirements listed below prior to transfer, and to prioritize this course work above completion of breadth/general education courses.

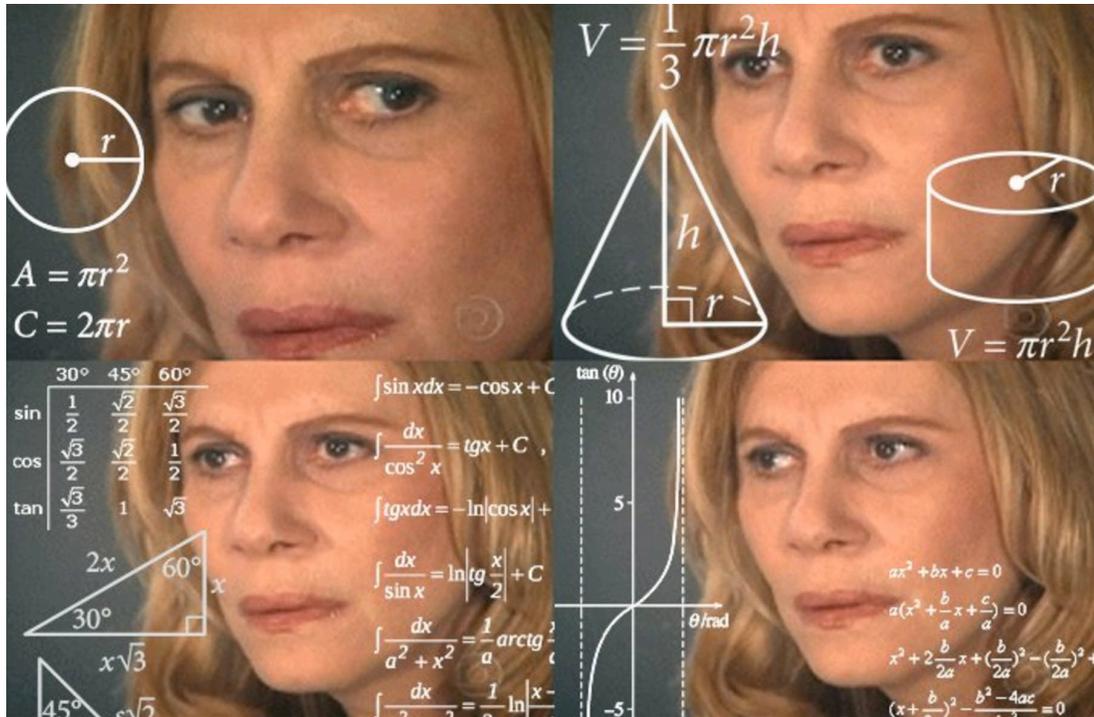
Effective Fall 2024 transfer students must complete all Chemistry lab courses in-person to receive articulation to UCR's equivalent Chemistry lab courses. Completing Chemistry lab courses online will not impact your ability to transfer. Transfer students who complete Chemistry lab courses online will be required to retake the lab courses at UCR.

BIOLOGY (BIOL)	101; 102; 112; 114; 115(ONL) ; 120; 121; 122(ONL) ; 123; 125; 126; 125H; 140; Note: Effective Fall 2022, if the lab portion of this course is taken in a traditional, in-person setting (not online), then BIOL 115 fulfills GE category D. If the lab portion of BIOL 122 is taken in a traditional, in-person setting (not online), then BIOL 122 fulfills GE category D. Students should petition with a detailed registration receipt showing the dates and locations where lecture and lab sessions met
BUSINESS ADMINISTRATION (BUSAD)	101; 120
CHEMISTRY (CHEM)	101; 102; 105; 106; 120; 121
CHILD DEVELOPMENT (CHLDV)	135
CHINESE (CHIN)	101(ONL) ; 102; NOTE: Effective Fall 2022, if taken in traditional classroom format, not online/hybrid, CHIN 101 fulfills the level one language requirement. Students should petition with a detailed registration receipt showing the dates and locations where lecture sessions met



Articulation-Related Resources

- [Curriculum & Instruction Handbook](#)
- [Curriculum Quick Start Guide](#)
- [Articulation Timeline](#)
- [Transfer Model Curriculum \(TMC\) Templates for ADTs](#)
- [AB 928 Committee](#)
- [AB 1111 Implementation](#)
- [ASSIST.org](#)



$A = \pi r^2$
 $C = 2\pi r$

$V = \frac{1}{3} \pi r^2 h$

$V = \pi r^2 h$

	30°	45°	60°
sin	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
cos	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
tan	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$

$\int \sin x dx = -\cos x + C$
 $\int \frac{dx}{\cos^2 x} = \tan x + C$
 $\int \tan x dx = -\ln|\cos x| + C$
 $\int \frac{dx}{\sin x} = \ln \left| \frac{x}{2} \right| + C$
 $\int \frac{dx}{a^2 + x^2} = \frac{1}{a} \arctan \frac{x}{a} + C$
 $\int \frac{dx}{x^2 - a^2} = \frac{1}{2a} \ln \left| \frac{x-a}{x+a} \right| + C$

$\tan(\theta)$
 10
 5
 -5
 θ/rad

$ax^2 + bx + c = 0$
 $a(x^2 + \frac{b}{a}x + \frac{c}{a}) = 0$
 $x^2 + 2\frac{b}{2a}x + (\frac{b}{2a})^2 - (\frac{b}{2a})^2 + \frac{c}{a} = 0$
 $(x + \frac{b}{2a})^2 - \frac{b^2 - 4ac}{4a^2} = 0$

Questions???