

# Navigating UC's Transfer Pathways

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**ENSURING  
TRANSFER  
SUCCESS 2017**

**UNIVERSITY  
OF  
CALIFORNIA**

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# UC President's Transfer Initiative

*“Transfer students are an important part of UC’s strength, as well as an engine of social mobility for our state. Put simply, if we are serving transfers well, then we are serving the state well.”*

*– President Janet Napolitano*

May 2014	Transfer Action Team of faculty, staff, and students presented recommendations to UC Regents
Spring/Fall 2015	UC faculty convened in discipline-based workgroups to develop 21 Transfer Pathways
Spring 2016	Began Pathways implementation for first 10 majors
Fall 2016	Began Pathways implementation for next 11 majors
December 2016	Launched UC Transfer Pathways Guide website
March 2017	Released Pathways Course Finder tool on UCTP Guide

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# UC Transfer Pathways...

- Help students to prepare early and apply broadly
- Provide clear, consistent course-taking advice
- Satisfy UC campus admission requirements across the entire system for a specific major
- Provide a set of course expectations that prepare transfers for timely graduation
- Not necessarily a duplicate of the Associate Degrees for Transfer (ADTs)
- Not a guarantee of admission to UC

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# 21 UC Transfer Pathways

## First 10

- Anthropology
- Biochemistry
- Biology
- Cell Biology
- Chemistry
- Economics
- Mathematics
- Molecular Biology
- Physics
- Sociology

## Next 11

- Business Administration
- Communication
- Computer Science
- Electrical Engineering
- English
- Film & Media Studies
- History
- Mechanical Engineering
- Philosophy
- Political Science
- Psychology

## Transfer

Preparing for admission

### > Major preparation

Anthropology

Biochemistry

Biology

Business administration

Cell biology

Chemistry

Communication

Computer science

## Major preparation

### Transfer Pathways: Your roadmap to 21 top majors

If you're starting out at a California community college and know which major you want to study but haven't decided which UC campuses to apply to, there is a simple way to keep your options open as you prepare for your major.

Follow one of our new Transfer Pathways, a single set of courses you can take to prepare for your major on **any** of our nine undergraduate campuses.

The Transfer Pathways cover 21 of our most popular majors:

> [Anthropology](#)

> [Biochemistry](#)

> [Biology](#)

### Find courses at your CCC

To see what courses at your community college will satisfy a Transfer Pathway, visit [UC's Transfer Pathway Guide](#).

### No pathway for your major?

You can find a complete list of major preparation coursework expected by each campus in [ASSIST](#). Use the Explore Majors feature in ASSIST to see all the major names at each UC campus.

[Visit ASSIST](#)

# ucal.us/transferpathways

UNIVERSITY OF CALIFORNIA Admissions

HOME FRESHMAN **TRANSFER** INTERNATIONAL HOW TO APPLY CAMPUSES PAYING FOR UC Counselors

## Transfer Major preparation

Preparing for admission

> Major preparation

- Anthropology
- Biochemistry
- Biology
- Business administration
- Cell biology
- Chemistry
- Communication
- Computer science

Although following a pathway doesn't guarantee admission to UC, it gives you a clear roadmap to prepare for your major and be well positioned to graduate on time from any UC campus.

If there isn't a pathway for your chosen major or the campus you wanted isn't listed in the pathway for your chosen major, you can find the information you need in [ASSIST](#) or the campus catalogs (linked at right).

An important note: The pathways guide students who want to make themselves competitive across the UC system; some majors listed may want fewer courses for admission, but none will expect more. We strongly encourage students to apply to multiple campuses to improve their chances of admission.

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can find a complete list of preparation coursework listed by each campus [ASSIST](#). Use the Explore Majors in ASSIST to see all the major names at each UC campus.

Visit ASSIST

[ucal.us/transferpathways](http://ucal.us/transferpathways)

Taking the following courses will prepare you to major in biology at any UC campus.

### Expected coursework

- › General biology with lab (full introductory sequence)
- › General chemistry with lab (one-year sequence)
- › Calculus for STEM majors (one-year sequence)
- › Organic chemistry with lab (one-year sequence)

Full sequences can take two to four terms to complete (depending on whether your institution is on semesters or quarters), so you'll want to start them early. Use ASSIST to find the specific classes offered at your community college that will satisfy the expected coursework. In addition to the specific coursework above, you will need to fulfill minimum requirements expected of all transfer applicants to UC.

Looking ahead: Some of UC's biology majors also require one year of calculus-based physics with lab (not trigonometry-based physics) and/or one term of statistics before graduation from UC. You can complete these courses at your community college if your schedule allows, but you can also complete them after transfer without negatively affecting your competitiveness for admission to UC.



Highlights the Pathway course expectations



Includes important notes for academic planning

### Associate Degree for Transfer

If you're working on an Associate Degree for Transfer (ADT) in biology at your community college with the goal of applying to CSU as well as UC, there's a lot of overlap in coursework. Here's what you need to know about the differences between what UC expects and what CSU requires for biology transfer students:

- › The UC pathway expects organic chemistry to be completed at the CCC; CSU doesn't.
- › CSU requires physics; the UC pathway doesn't. However, some UC programs will require one year of calculus-based physics with lab before graduation from UC. To fulfill the physics requirement for both CSU and UC, take calculus-based physics, not trigonometry-based physics.



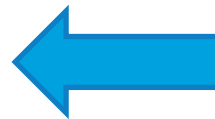
Highlights course expectations for UC Transfer Pathway compared to ADT



### Applicable majors

The biology pathway applies to the degree programs listed below as well as all degree programs listed in the Biochemistry, Cell biology and Molecular biology pathways. (More may be added in the year ahead.)

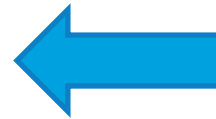
- › General biology majors:
  - › Biology, B.A. and B.S. at Riverside
  - › Biology, B.S. at Los Angeles
  - › Biology, B.S. at Santa Cruz
  - › Biology / education, B. S. at Irvine
  - › Biological sciences, B.S. at Davis
  - › Biological sciences, B.S. at Irvine
  - › Biological sciences, B.S. at Merced
  - › Biological sciences, B.A. and B.S. at Santa Barbara
  - › General biology, B.S. at San Diego
  - › Integrative biology, B.A. at Berkeley



Lists the specific major degree programs and UC campuses that offer the Pathway

### Campus GPA requirements

Admission to different UC campuses and majors varies in competitiveness depending on how many students apply and how many slots are available. As a result, the minimum GPA and grade requirements for particular courses may vary from campus to campus. Make sure to look on the [campus admissions websites](#) to find minimum expected grade point averages for the major you are interested in.



Includes important  
note about minimum  
GPA and grade  
requirements

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# Implementing UC Transfer Pathways

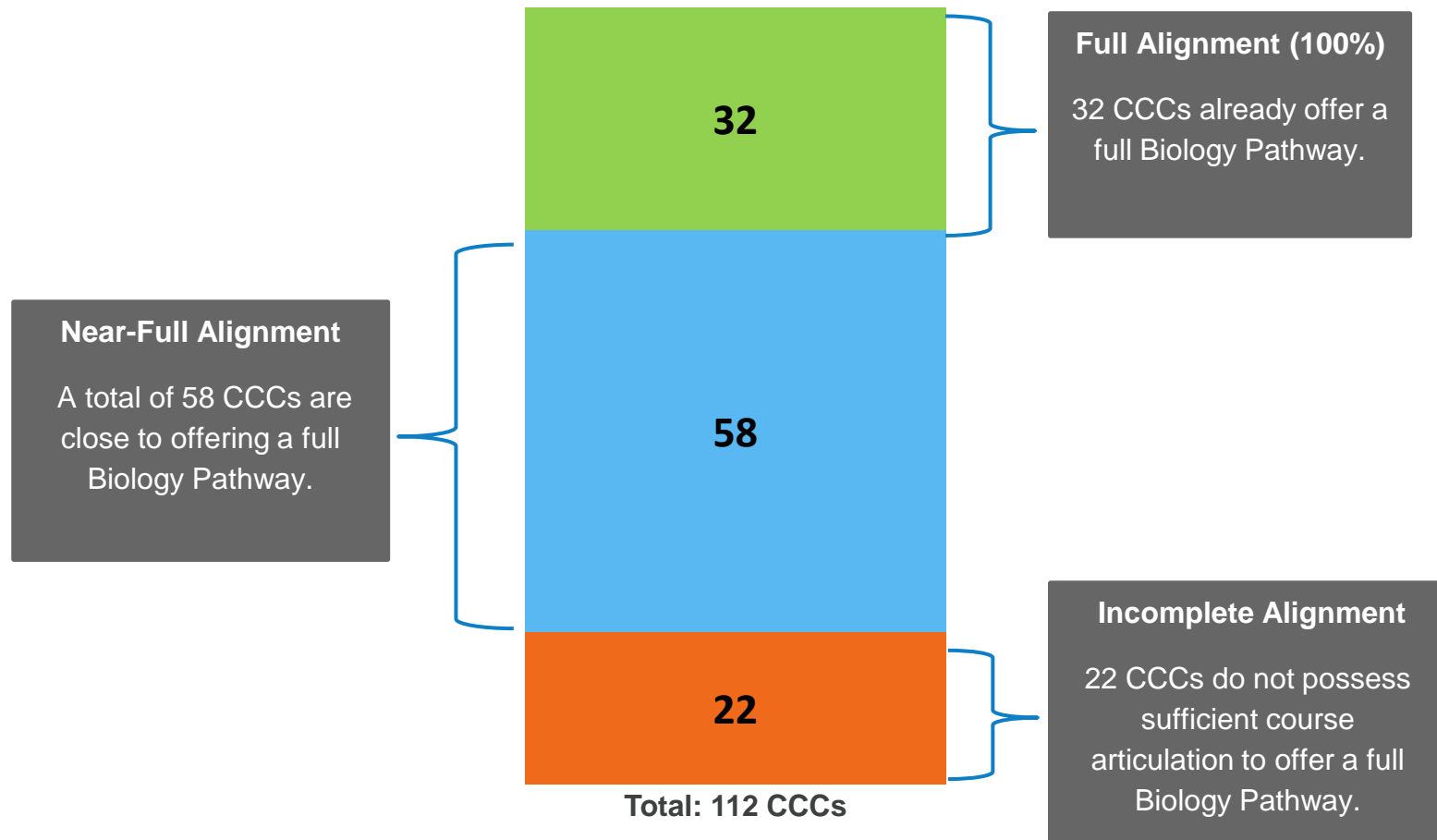
- How do individual CCC courses align with UC Transfer Pathway course expectations?
- Where do full Transfer Pathways exist?
- How can we build more Pathways for prospective transfer students?
  - 9 UCs x 113 CCCs x 21 majors x ~5 course expectations ≈ **115,000 articulation opportunities**
  - First 10 majors: ~1,500 articulation gaps to address
  - Next 11 majors: ~10,000 articulation gaps to address

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# CCC Involvement

- Provided publicly available course outlines of record for UC compilation
  - Fulfilled course outline requests for CCC courses aligned with Transfer Pathway course expectations
- UC faculty reviewed nearly **12,000 CCC courses to close articulation gaps**

# Distribution of Community Colleges with Articulated Courses that Fulfill the Biology Pathway\*

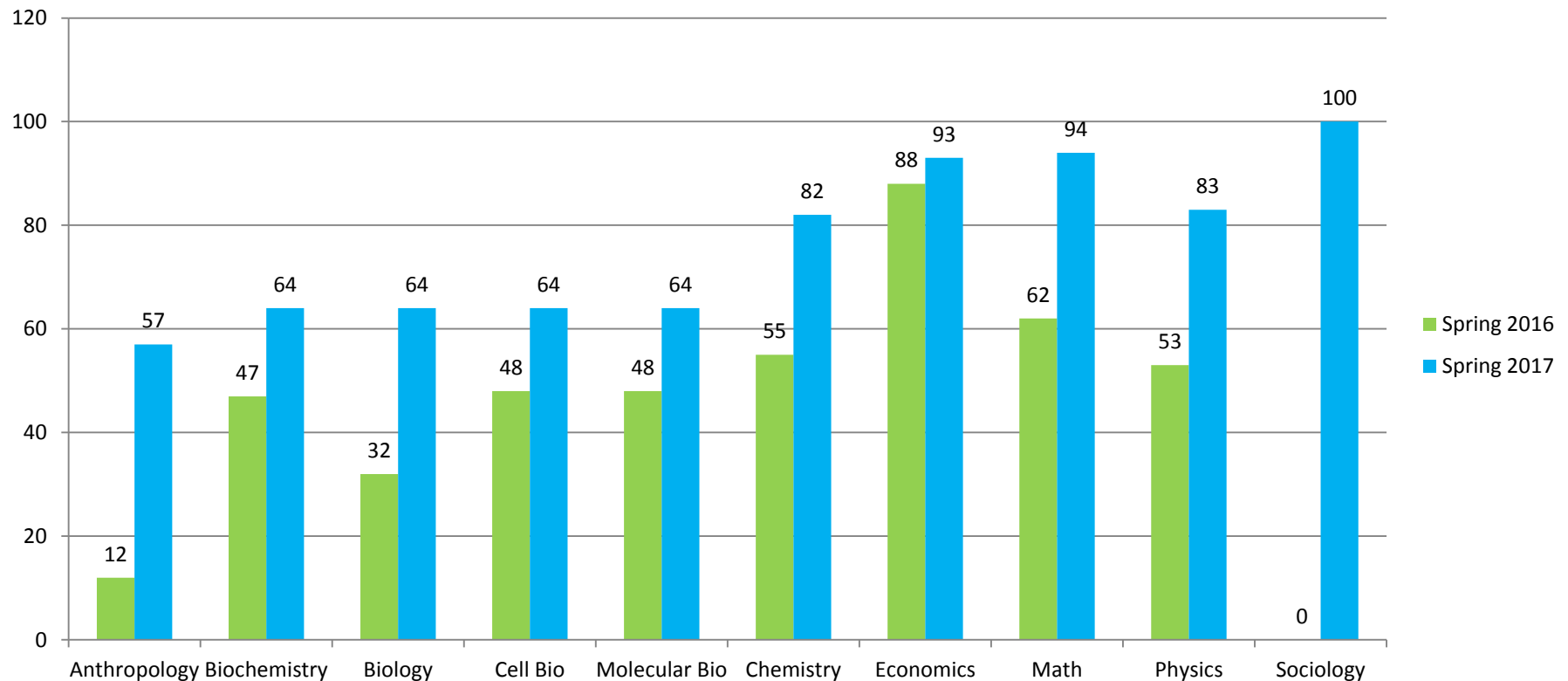


\*Notes: 1) Counts are based on 2014-15 ASSIST data and do not include Clovis.

2) To satisfy a Pathway course expectation, the CCC course must articulate UC systemwide.

# UC Transfer Pathways Progress

## Number of Community Colleges with Full Transfer Pathways: First 10 Majors



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# Scope of Initial Pathways Articulation

- Transfer Pathways articulation initially based on the CCC courses with the most articulation across UC campuses
  - Did not focus on closing gaps for honors courses or other “non-standard” courses
- Data are a snapshot of CCC-UC articulation
  - First 10 majors based on 2014-15 ASSIST data
  - Next 11 majors based on 2015-16 ASSIST data
  - Phased out or new CCC courses may not be reflected yet
- New articulation must be verified on ASSIST
  - Quality control protocol: if not yet published on ASSIST, not yet published on UC Transfer Pathways Guide

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# UC Transfer Pathways Guide

- **Goals of the Guide:**

- Easily view a list of CCC courses that fulfill Pathway course expectations
- Be a central resource focused on Pathways articulation

- **Full Transfer Pathways**

- All CCC courses that align with all Pathway expectations are articulated at all UC campuses offering the Pathway major

- **Partial Transfer Pathways**

- CCC courses that align with some Pathway expectations are articulated at all UC campuses offering the Pathway major



If you're a California community college student and know which major you want to study, you can follow one of UC's [Transfer Pathways](#) to start preparing for your major and keep your UC campus options open.

The Transfer Pathways offer a single set of courses you can take that will transfer to **any** of UC's nine undergraduate campuses. This site shows you which UC-transferable courses from [ASSIST](#) meet the specific course expectations for a given Pathway.

## FIND COURSES

To find courses at your community college that will satisfy a Transfer Pathway, select your community college and Pathway below.

Select your California community college:

Laney College

Choose a Pathway:

Biology

Use the [Course Finder](#) to see nearby community colleges that offer Pathway courses.

### BEFORE YOU LOOK FOR COURSES...

If you can't find your major or see any courses available at your college that meet the expected coursework for a Pathway, don't worry. We are continuing to include more majors and courses on this site. In the meantime, you can check [ASSIST](#) for a complete list of major requirements at each UC campus.

<http://pathwaysguide.universityofcalifornia.edu>

**Biology Pathway**

**Laney College**

**Course Expectations**

**Course**

**Course Title**

**1. General biology with lab (full introductory sequence)**

BIOL 1A

General Biology

BIOL 1B

General Biology

**2. General chemistry with lab (one-year sequence)**

CHEM 1A

General Chemistry

CHEM 1B

General Chemistry

**3. Calculus for STEM majors (one-year sequence)**

MATH 3A

Calculus I

MATH 3B

Calculus II

**4. Organic chemistry with lab (one-year sequence)**

CHEM 12A

Organic Chemistry

CHEM 12B

Organic Chemistry

### 3. Calculus for STEM majors (one-year sequence)

MATH 3A

Calculus I

MATH 3B

Calculus II

### 4. Organic chemistry with lab (one-year sequence)

CHEM 12A

Organic Chemistry

CHEM 12B

Organic Chemistry

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The biology pathway applies to the degree programs [listed here](#).

Following a Transfer Pathway does not guarantee admission to UC. Admission to different UC campuses and majors varies in competitiveness depending on how many students apply and how many slots are available. As a result, the minimum GPA and grade requirements for particular courses may vary from campus to campus. Make sure to look on the [campus admissions websites](#) to find minimum expected grade point averages for the major you are interested in.

### Applicable majors

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- › General biology majors:
  - › Biology, B.A. and B.S. at Riverside
  - › Biology, B.S. at Los Angeles
  - › Biology, B.S. at Santa Cruz
  - › Biology / education, B. S. at Irvine
  - › Biological sciences, B.S. at Davis
  - › Biological sciences, B.S. at Irvine
  - › Biological sciences, B.S. at Merced
  - › Biological sciences, B.A. and B.S. at Santa Barbara
  - › General biology, B.S. at San Diego
  - › Integrative biology, B.A. at Berkeley



Lists the specific major degree programs and UC campuses that offer the Pathway

### 3. Calculus for STEM majors (one-year sequence)

MATH 3A

Calculus I

MATH 3B

Calculus II

### 4. Organic chemistry with lab (one-year sequence)

CHEM 12A

Organic Chemistry

CHEM 12B

Organic Chemistry

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Select your California community college:

College of Alameda

Choose a Pathway:

Biology

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## Biology Pathway

## College of Alameda

THIS IS A PARTIAL PATHWAY.

Some courses at your community college articulate at all UC campuses to fulfill Pathway course expectations as listed below.

### Course Expectations

### Course

### Course Title

#### 1. General biology with lab (full introductory sequence)

BIOL 1A

General Biology

BIOL 1B

General Biology

#### 2. General chemistry with lab (one-year sequence)

CHEM 1A

General Chemistry

CHEM 1B

General Chemistry

#### 3. Calculus for STEM majors (one-year sequence)

MATH 3A

Calculus I

MATH 3B

Calculus II

#### 4. Organic chemistry with lab (one-year sequence)

There aren't courses at your college that articulate at all UC campuses. However, courses at your college may fulfill this Pathway course expectation at some UC campuses. Check [ASSIST](#) to find courses that will prepare you for your major at specific UC campuses.

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Choose a Pathway:

Biology

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#### Course Expectations

#### Course

#### Course Title

1. General biology with lab (full introductory sequence)

BIOL 1A

General Biology

BIOL 1B

General Biology



<http://pathwaysguide.universityofcalifornia.edu>

**UC TRANSFER PATHWAYS COURSE FINDER**

**Zip Code**  
94619

**Distance**  
20 miles

**Pathway**  
Biology

**Course Expectation**  
(Optional)

**Search**

**FULL PATHWAYS**

Merritt College	2 miles
Laney College	8 miles
Berkeley City College	10 miles
Chabot College	12 miles
Diablo Valley College	15 miles

1 2

<http://pathwaysguide.universityofcalifornia.edu>

**UC TRANSFER PATHWAYS COURSE FINDER**

Zip Code: 94619 Distance: 20 miles

Pathway: Biology

**Course Expectation**: Organic chemistry with lab (one-year sequence)

**Search**

**SEARCH RESULTS**

Merritt College	2 miles
Laney College	8 miles
Berkeley City College	10 miles
Chabot College	12 miles
Diablo Valley College	15 miles

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# Next Steps

- **ASSIST → UC Transfer Pathways Guide**
  - If Pathways articulation is not yet on ASSIST, it is not yet on the Transfer Pathways Guide
- **Pathways articulation data corrections/updates**
  - Contact us: [transferartic@ucop.edu](mailto:transferartic@ucop.edu)
- **Coming soon: *Basics of the Pathways Guide* (PDF)**
  - Supplemental resource provides background information on the Pathways Guide & will be posted to the Guide website by end of May 2017
- **CCC courses for new Pathways articulation**
  - CCC Articulation Officers: New or revised courses should be submitted for UC TCA approval first; then submit to UC campuses using new features in ASSIST

## **UC Transfer Pathways**

<http://ucal.us/transferpathways>

## **UC Transfer Pathways Guide**

<http://pathwaysguide.universityofcalifornia.edu>

## **UC Transfer Articulation**

<http://www.ucop.edu/transfer-articulation>

## **ASSIST**

<http://www.assist.org>