



# *Why Access Matters*

A report on  
College Access, Transfer, and Workforce  
Preparation in the Central Valley

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*A project of the  
Central Valley Higher Education Consortium  
in collaboration with the  
California Partnership for the San Joaquin Valley.*

## Acknowledgements

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*Special thanks to the members of the  
Central Valley Higher Education Consortium Research Council  
for their helpful input and cooperation.*

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## Table of Contents

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|  |   |    |
|--|---|----|
| Introduction.....  | 3   |    |
| Executive Summary.....   | 4   |    |
| College Access.....  | 5   |    |
| Transfer .....   | 11  |    |
| Workforce Preparation.....   | 13  |    |
| Recommendations.....   | 21  |    |
| CVHEC Executive Director’s Conclusions Conclusion.....   | 22  |    |
| Appendix   |   |    |
| Pre-Baccalaureate, 1, 2, 3, and less than 4-Year Certificate Completion by<br>Career Field-Specific Career Field by College..... | 23  |    |
| 2-Year Degree Completion by Career Field-Specific Career Field by College.....   | 24  |    |
| Central Valley Higher Education Consortium Membership and Counties Represented.....  | 25  |    |
| Tables and Figures.....  | 26  |    |
| <b>Tables</b>  |   |    |
| Table 1  | Percentage of Public High School Graduates Enrolling in Each Public<br>Higher Education Segment, Fall 2006.....                                   | 5  |
| Table 2  | Ethnic Representation among Incoming Freshmen by Higher Education Segment.....  | 9  |
| Table 3  | Percentage of Public High School Graduates in the CVHEC Region<br>Enrolling in Private Higher Education Segment, 2005.....                        | 10 |
| Table 4  | Transfer Rates of CVHEC Community Colleges (2001-2006 Cohort).....  | 11 |
| <b>Figures</b>   |   |    |
| Figure 1   | CVHEC Region Community College – Freshmen, 2006.....  | 6  |
| Figure 2   | CVHEC Region California State University – Freshmen, 2006.....  | 6  |
| Figure 3   | CVHEC Region University of California, Merced – Freshmen, 2007.....   | 7  |
| Figure 4   | CVHEC Region Private College – Freshmen, 2006.....  | 7  |
| Figure 5   | Fresno Pacific University – Freshmen, 2006.....   | 8  |
| Figure 6   | University of the Pacific – Freshmen, 2006.....   | 8  |
| Figure 7   | Ethnic Composition of Transfer Students Received by California<br>State University Campuses within the CVHEC Region, 2006-07.....                 | 12 |
| Figure 8   | Completion Rates of 2-Year Degrees and Certificates by Ethnicity, 2006-07.....  | 13 |
| Figure 9   | Comparison of Associate’s Degree Attainment by Ethnicity – 2001 to 2006.....  | 14 |
| Figure 10  | Pre-Baccalaureate, 1, 2, 3, and less than 4-Year Certificate Completion<br>by Discipline Among All CVHEC Community College Students, 2006-07..... | 15 |
| Figure 11  | 2-Year Degree Completion by Discipline Among All CVHEC Community<br>College Students, 2006-07.....  | 16 |
| Figure 12  | Degree and Certificate Completion Among Hispanic Community College Students.....  | 17 |
| Figure 13  | Degree and Certificate Completion Among African-American<br>Community College Students.....   | 18 |
| Figure 14  | Degree and Certificate Completion Among Asian Community College Students.....   | 19 |
| Figure 15  | Degree and Certificate Completion Among White Community College Students.....   | 20 |

## Introduction

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Governor Arnold Schwarzenegger established the California Partnership for the San Joaquin Valley (CPSJV) through executive order S-5-05 in June, 2004 to respond to the educational challenges facing Central California. The Central Valley Higher Education Consortium (CVHEC) is a non-profit corporation established in 2000 by the presidents and chancellors of the Central Valley's colleges and universities. This Consortium is comprised of 24 accredited community colleges, public and private colleges and universities serving a ten county region from Stockton to Bakersfield. Its mission is to increase higher education participation and success in California's Central Valley and make a positive impact on the educational achievement of our region.

The Central Valley faces major challenges in fulfilling this mission – and in developing a highly skilled and educated workforce to be competitive in an increasingly global and knowledge-based economy. Education is a critical driver of long-term regional economic growth and on a personal level it is a major determinant in an individual's success. Students from relatively advantaged backgrounds or whose parents have a college degree already participate in higher education in significant numbers. But in the Central Valley, too many students must overcome the many hurdles of less comfortable circumstances to attend college.

Only six out of one hundred Hispanic children (6%) will enter kindergarten this year expecting to attain a bachelor's degree in their lifetime. This is startling given that Hispanics comprise approximately half of the population in California's Central Valley. Hispanics in the Central Valley have the lowest college going rate in California and Valley residents, in general, hold bachelor's degrees at a rate that is only two-thirds of the state average. This makes motivating students from under-represented populations to enroll in post-secondary education a matter of high importance. Recruitment efforts must be focused on students from low-income families with no history of post-secondary education, and students from migrant backgrounds.

### Purpose of Report

The purpose of this report is to provide CVHEC and its stakeholders a deeper, more specific understanding of college-going trends in the Central Valley region and the data necessary for monitoring selected indicators in college access, transfer from two-year to four year institutions, and workforce preparation. The uniqueness of this report is the compilation of data specific to the ten counties and the higher education institutions represented by the Consortium (listed in Appendix 3).

## Executive Summary

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This brief report, which includes data obtained from the California Post-Secondary Education Commission, National Center for Educational Statistics, and the California Community College Chancellor's Office is intended to describe college going rates, community college enrollment, transfer rates, and 2-year degree attainment in the CVHEC region.

Key findings include:

- **Between 2001 and 2006, the percentage of associate's degrees attained by Hispanic students from community colleges in the CVHEC region increased by 2.1%, and the percentage of associate's degrees attained by non-White students increased by 5% overall (page 14, Figure 9).**
- Graduating seniors from public high schools in the CVHEC region are approximately 7% less likely to attend community college and 4% less likely to attend a UC campus than graduating seniors statewide (see page 5, Table 1).
- Graduating seniors from public high schools in the CVHEC region who are Asian are approximately 13% less likely to enroll at a UC campus and 7% less likely to enroll in a community college than graduating seniors who are Asian statewide (see page 5, Table 1).
- Hispanic students comprise 43% of graduating seniors in the CVHEC region, yet comprise only 36% of incoming freshmen at CSU campuses in the CVHEC region and only 33% of incoming freshmen at UC, Merced (see page 9, Table 2).
- **Ten (10) of 12 CVHEC community colleges (or community college districts) met or exceeded their expected transfer rate for the 2001-2006 cohort, according to a study conducted by the California Community College Chancellor's Office (page 11, Table 4).**
- The largest percentage of students completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates do so in the field of health (29.68%), followed by work and family studies (14.06%) and business (10.65%) (see page 15, Figure 10).
- The largest percentage of students completing 2-year degrees do so in the field of health (36.15%), followed by business (19.47%) and work and family studies (11.63%) (see page 16, Figure 11).
- Hispanics comprise 37% of community college students in the region and are underrepresented among students receiving 2-year degrees or completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates in seven of the ten most popular career fields. They are most underrepresented among those receiving degrees or certificates in Agriculture (16.5%) (see page 17, Figure 12).

## College Access

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### College-Going Rates (UC, CSU, and Community Colleges)

#### Definition

College-going rates are calculated as the number of first-year college students enrolling as freshman in the CVHEC region as a percentage of public high school graduates from the same region during the same year.

Table 1 below shows the college-going rates of high school graduates in the CVHEC region to each higher education segment (UC, CSU, and CC). The data is disaggregated by ethnicity. Each percentage is compared to the corresponding percentage for the entire state.

#### Findings

- A smaller percentage (-4.2%) of graduating seniors from public high schools in the CVHEC region enroll at **UC campuses** than public high school graduates state-wide.
- A smaller percentage (-7.0%) of graduating seniors from public high schools in the CVHEC region enroll at **community colleges** than public high school graduates state-wide.
- Graduating seniors from public high schools in the CVHEC region who are **Asian** are approximately 13% less likely to enroll at a UC campus and 7% less likely to enroll in a community college than graduating seniors who are Asian statewide.

**Table 1.**  
**Percentage of Public High School Graduates Enrolling in**  
**Each Public Higher Education Segment, Fall 2006**

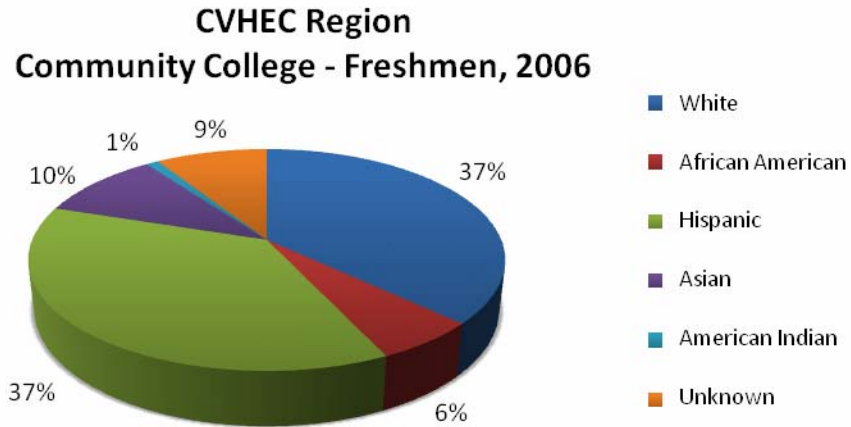
|     | Asian/Pacific Islander |       | African American |       | Hispanic |       | Native American |       | White  |       | Total  |       |
|-----|------------------------|-------|------------------|-------|----------|-------|-----------------|-------|--------|-------|--------|-------|
|     | Region                 | State | Region           | State | Region   | State | Region          | State | Region | State | Region | State |
| CC  | 23                     | 30.2  | 21.2             | 32.7  | 22       | 30.9  | 26.6            | 31.4  | 20.2   | 24.7  | 21.4   | 28.4  |
| CSU | 16.4                   | 15.3  | 11               | 12.2  | 8.4      | 9.2   | 8.1             | 9.3   | 10.3   | 10.3  | 10.2   | 10.8  |
| UC  | 8.9                    | 22    | 2.6              | 3.5   | 2.4      | 3.8   | 1.7             | 4.7   | 2.6    | 6     | 3.2    | 7.4   |

Source: CPEC

### Ethnic Composition of Incoming Freshmen – Community College

Figure 1 below shows the ethnic composition of all 2006 incoming freshmen at 19 community colleges in the CVHEC region.

Figure 1.

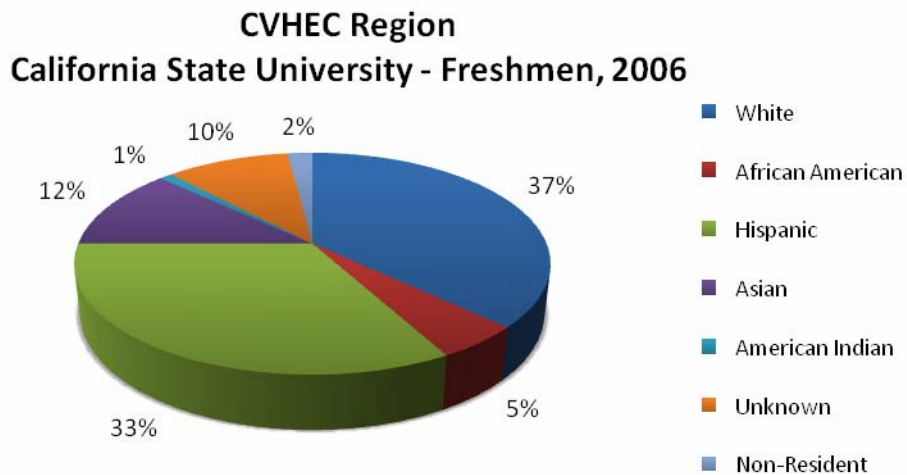


Source: National Center for Education Statistics

### Ethnic Composition of Incoming Freshmen – CSU Campuses (Bakersfield, Fresno, Stanislaus)

Figure 2 below shows the ethnic composition of all 2006 incoming freshmen at the three California State University Campuses in the CVHEC region.

Figure 2.

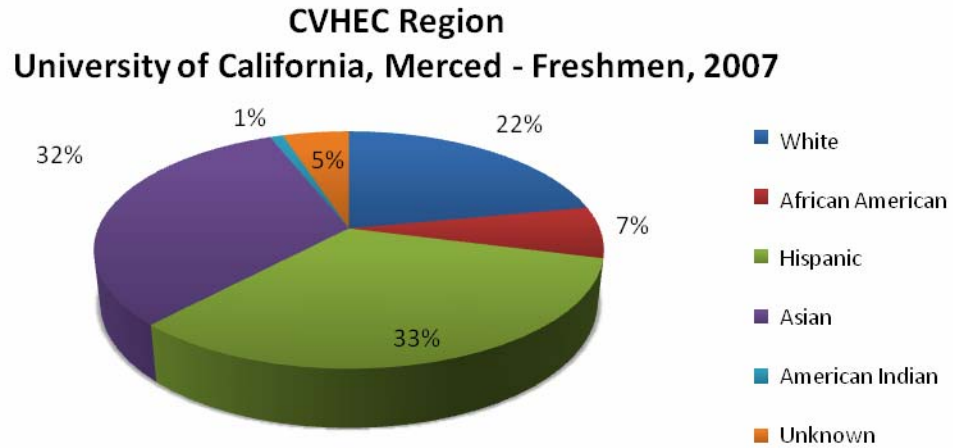


Source: National Center for Education Statistics

### Ethnic Composition of Incoming Freshmen – UC, Merced

Figure 3 below shows the ethnic composition of all 2007 incoming freshmen at University of California, Merced.

Figure 3.

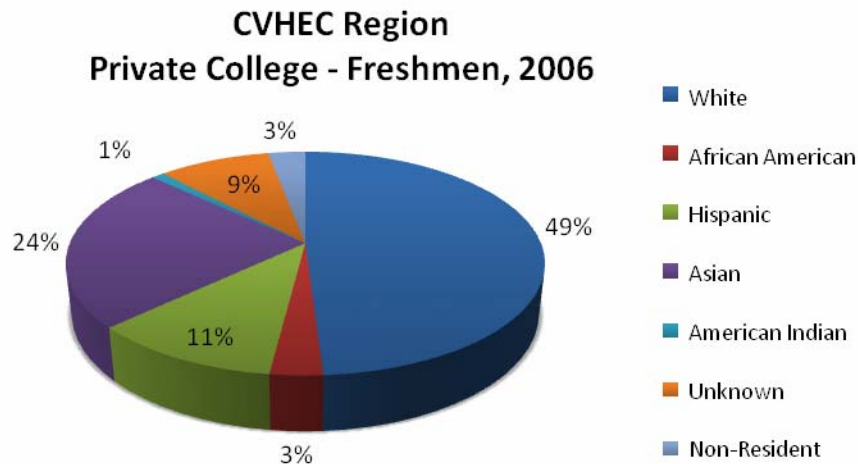


Source: UC Merced data UCOP 2007

### Ethnic Composition of Incoming Freshmen – Private Colleges (University of Pacific, Fresno Pacific University)

Figure 4 below shows the ethnic composition of all 2006 incoming freshmen at the two private colleges in the CVHEC region.

Figure 4.

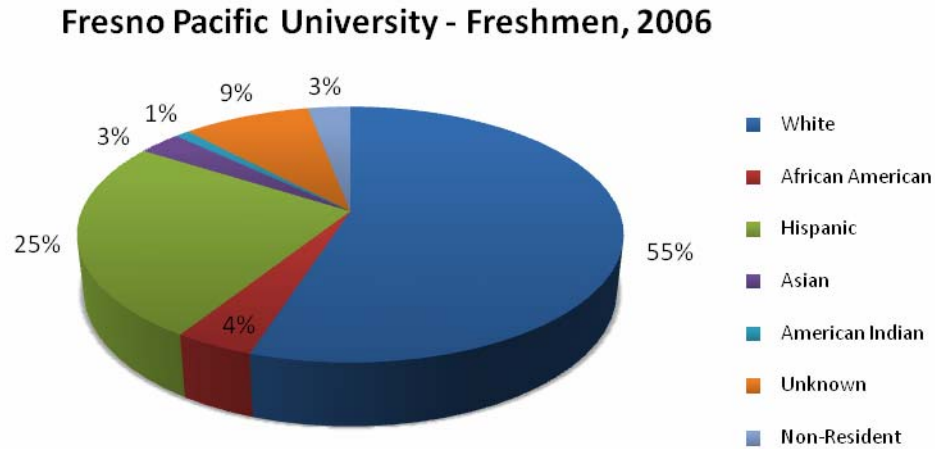


Source: National Center for Education Statistics



Figure 5 below shows the ethnic composition of all 2006 incoming freshmen at Fresno Pacific University.

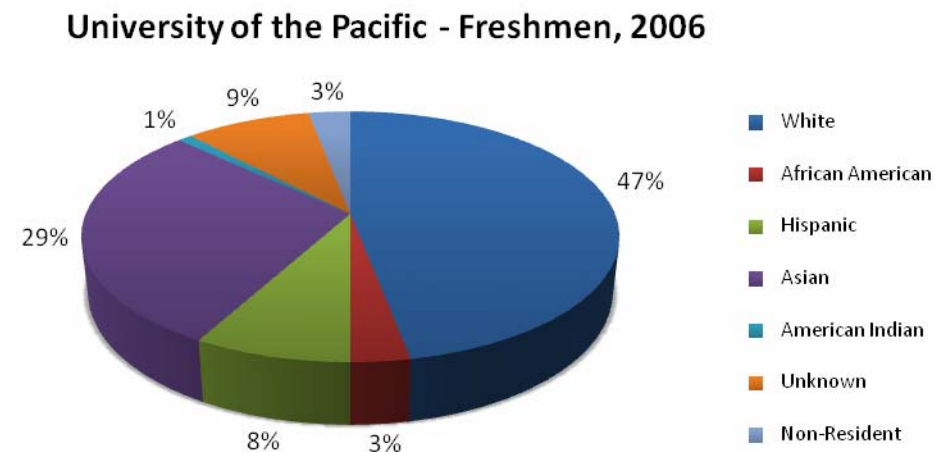
Figure 5.



Source: National Center for Education Statistics

Figure 6 below shows the ethnic composition of all 2006 incoming freshmen at University of the Pacific.

Figure 6.



Source: National Center for Education Statistics

## Ethnic Representation among Incoming Freshmen (UC, CSU, and Community Colleges)

### Definition

Table 2 below is intended to illustrate the degree to which each ethnic population is proportionally represented among populations of 2006 incoming freshman at institutions of higher education in the CVHEC region. The ethnic composition of high school graduates in the CVHEC region is shown next to the ethnic composition of incoming freshman within each higher education segment.

Please note that ethnic composition data for high school graduates was obtained from Ed-Data on the California Department of Education website. Ethnic composition data for all groups of incoming freshman was obtained from the National Center for Education Statistics (NCES). Because a percentage of incoming freshman are of unknown ethnicity according to NCES records, NCES data was adjusted to reflect percentages of students among only those students whose ethnicity was reported, with the exception of data for UC Merced obtained from UCOP.

### Findings

- Hispanic students are underrepresented as incoming freshman at 4-year CSU and UC campuses.
- Asian students are overrepresented among incoming freshman at UC Merced.
- White students are underrepresented among incoming freshman at UC Merced.
- African American and American Indian students are proportionally represented within all higher education segments.

**Table 2.**  
**Ethnic Representation among Incoming Freshmen by Higher Education Segment**

| Ethnic Group  | White | African American | Hispanic | Asian | American Indian |
|---|-------|------------------|----------|-------|-----------------|
| % of HS graduates in CVHEC region                   | 39    | 5                | 43       | 11    | 1               |
| % of freshmen at community colleges in CVHEC region | 41    | 6                | 41       | 10    | 1               |
| % of freshmen at CSU campuses in CVHEC region       | 43    | 6                | 36       | 14    | 1               |
| % of freshmen at UC, Merced                         | 22    | 7                | 33       | 32    | 1               |

*Sources: Ed-Data, National Center for Education Statistics. UC Merced data source: UCOP 2007.*

## College Access

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### College-Going Rates (Private Schools)

#### Definition:

**Private schools** are colleges and universities which are not supported by state taxes. They are also referred to as independent colleges. Private schools in the CVHEC region are Fresno Pacific University and University of the Pacific in Stockton.

#### Data Sources:

The California Post-Secondary Education Commission (CPEC) gathers data on enrollment in private institutions of higher education. Table 3 below shows the percentage of public high school graduates in the CVHEC region who enrolled in a private four-year institution (within the United States). Please note that Table 3 is based on the latest data available for private institutions (2005) and that CPEC does not have data available from University of the Pacific.

#### Findings:

- Fewer than 1% of public high school graduates in the CVHEC region enrolled in private institutions of higher education in 2005.
- Twice as many graduating seniors from public high schools in the CVHEC region who are White enroll in a 4-year private institution than Hispanic or African American students.

**Table 3.**  
**Percentage of Public High School Graduates in the CVHEC Region Enrolling in Private Higher Education Segment, 2005**

|                        | Asian/Pacific Islander | African American | Hispanic | Native American | White | Total |
|------------------------|------------------------|------------------|----------|-----------------|-------|-------|
| Private 4-Year College | 0.5                    | 0.4              | 0.5      | 1.4             | 1.2   | 0.8   |

*Source: California Post-Secondary Education Commission*

## Transfer

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### Community College Transfer Rate

#### Definitions

Both actual and expected transfer rate calculations were made and provided by the California Community College Chancellor's Office, Technology, Research, and Information Services.

Actual transfer rates are arrived at using the number of students identified as having "intent to transfer" as a denominator, and number of students who actually transfer as the numerator. The methodology includes tracking a cohort of students over a six year period of time.

Expected transfer rates were calculated for each institution using a formula that considers variables beyond the institution's control (distance to the nearest CSU, county unemployment rate, county income level, age of population, and academic preparedness of incoming freshmen). "Residuals" are differences in an institution's actual and expected transfer rates.

#### Findings

Table 4 below shows the transfer rates (actual, expected, and residual) of 12 CVHEC community colleges/districts. Ten (10) of the 12 community colleges/districts in the CVHEC region met or exceeded their expected transfer rates (showed a positive residual) for the 2001-2006 cohort.

**Table 4.**  
**Transfer Rates of CVHEC Community Colleges (2001-2006 Cohort)**

| Campus                                | Actual % | Expected % | Residual % |
|---------------------------------------|----------|------------|------------|
| Bakersfield College                   | 37.9     | 33.9       | 4.0        |
| Cerro Coso Community College          | 40.8     | 34.1       | 6.7        |
| College of the Sequoias               | 32.5     | 32.4       | 0.1        |
| Columbia College                      | 26.4     | 32.5       | -6.1       |
| Fresno City College                   | 40.7     | 36.8       | 3.9        |
| Merced College                        | 32.2     | 29.9       | 2.3        |
| Modesto Junior College                | 38.5     | 33.9       | 4.6        |
| Porterville College                   | 35.4     | 26.5       | 8.9        |
| Reedley Community College             | 41.6     | 36.2       | 5.4        |
| San Joaquin Delta College             | 37.9     | 34.2       | 3.7        |
| Taft College                          | 18.3     | 26.3       | -8.0       |
| West Hills Community College District | 38.4     | 29.5       | 8.9        |

*Source: CCC Chancellor's Office*

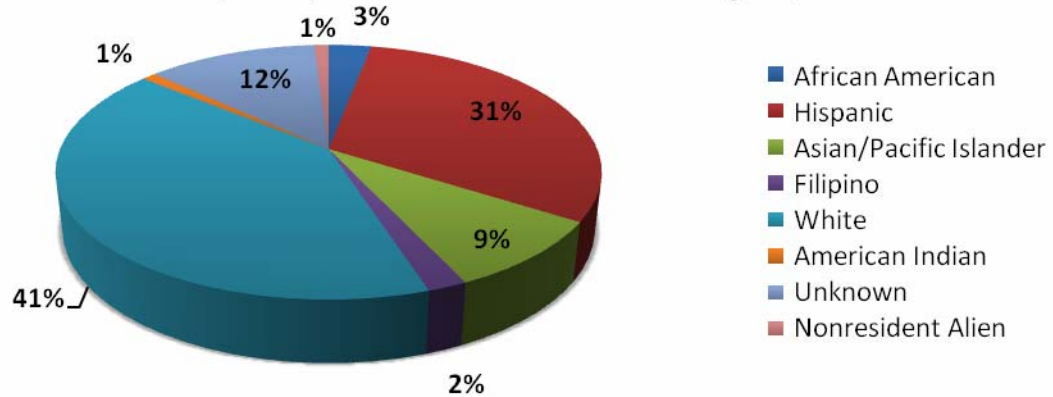
## Transfer

### Ethnic Composition of Transfer Students Received

Figure 7 below shows the ethnic composition of transfer students received by California State University Campuses within the CVHEC region in 2006.

Figure 7.

**Ethnic Composition of Transfer Students Received by California State University Campuses within the CVHEC Region, 2006-07**



Source: California Post-Secondary Education Commission

### Supporting Data Table

ETHNIC COMPOSITION OF TRANSFER STUDENTS (2006/2007)

| California State University | African American | Hispanic    | Asian/Pacific Islander | Filipino  | White, Non-Hispanic | American Indian | Unknown    | Nonresident Alien | TOTAL       |
|-----------------------------|------------------|-------------|------------------------|-----------|---------------------|-----------------|------------|-------------------|-------------|
| 1. CSU, Bakersfield         | 24               | 232         | 21                     | 18        | 304                 | 14              | 115        | 11                | 739         |
| 2. CSU, Fresno              | 63               | 648         | 182                    | 19        | 757                 | 19              | 200        | 34                | 1922        |
| 3. CSU, Stanislaus          | 33               | 273         | 121                    | 20        | 470                 | 15              | 131        | 7                 | 1070        |
| <b>TOTAL</b>                | <b>120</b>       | <b>1153</b> | <b>324</b>             | <b>57</b> | <b>1531</b>         | <b>48</b>       | <b>446</b> | <b>52</b>         | <b>3731</b> |
| <b>PERCENTAGE</b>           | <b>3%</b>        | <b>31%</b>  | <b>9%</b>              | <b>2%</b> | <b>41%</b>          | <b>1%</b>       | <b>12%</b> | <b>1%</b>         | <b>100%</b> |

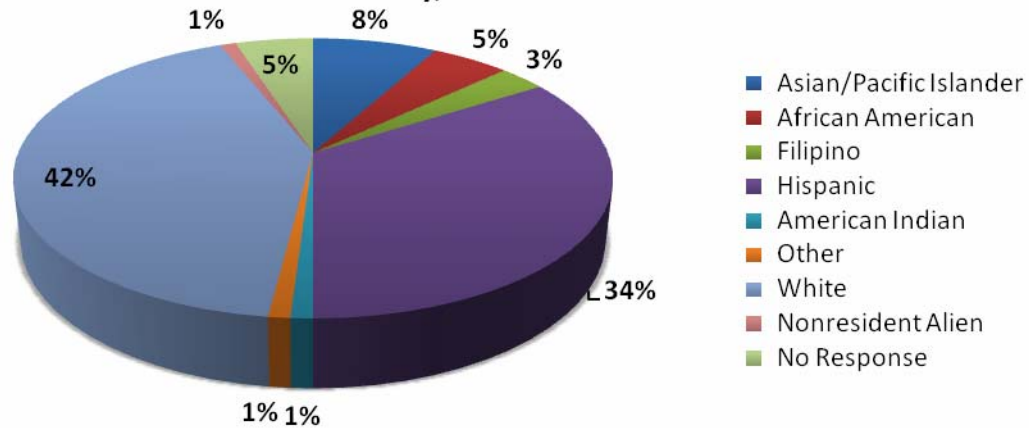
## Workforce Preparation

### Completion of 2-Year Degrees and Certificates by Ethnicity

Figure 8 below shows the ethnic composition of students receiving 2-year degrees or Pre-Baccalaureate, 1, 2, 3, and less than 4-Year Certificates from CVHEC community colleges.

Figure 8.

**Completion Rates of 2-Year Degrees and Certificates by Ethnicity, 2006-07**



Source: California Post-Secondary Education Commission

### Supporting Data Table

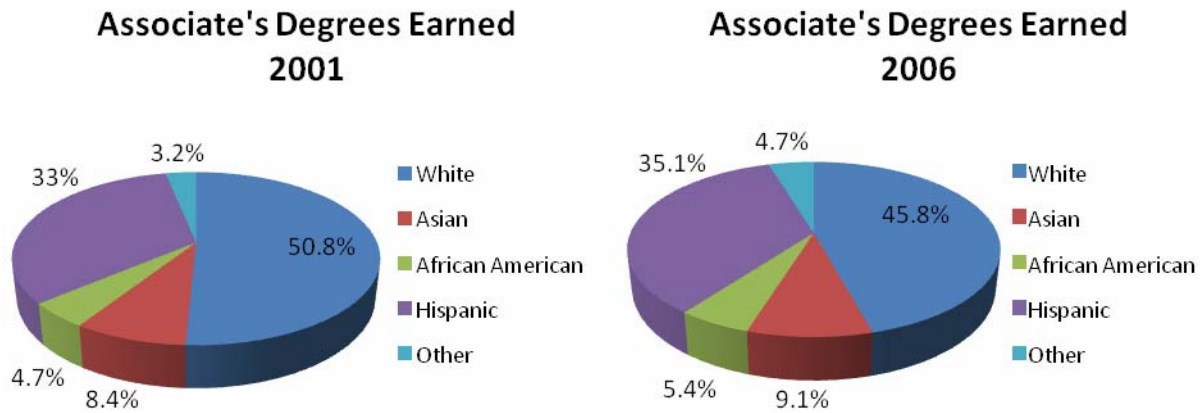
COMPLETION RATES BY ETHNICITY OF 2-YEAR DEGREES AND CERTIFICATES (2006/2007)

| Community Colleges                        | Asian/<br>Pacific<br>Islander | African<br>American | Filipino   | Hispanic    | American<br>Indian | Other     | White       | Nonresident<br>Alien | No<br>Response | Total        |
|---|-------------------------------|---------------------|------------|-------------|--------------------|-----------|-------------|----------------------|----------------|--------------|
| 1. Bakersfield College                    | 53                            | 63                  | 55         | 594         | 26                 | 1         | 665         | 13                   | 44             | 1514         |
| 2. Cerro Coso Community College           | 10                            | 5                   | 6          | 21          | 4                  | 0         | 170         | 4                    | 12             | 232          |
| 3. College of the Sequoias                | 53                            | 39                  | 26         | 553         | 23                 | 1         | 522         | 3                    | 41             | 1261         |
| 4. Columbia College                       | 6                             | 3                   | 0          | 38          | 10                 | 0         | 226         | 8                    | 28             | 319          |
| 5. Fresno City College                    | 256                           | 178                 | 46         | 787         | 27                 | 23        | 709         | 0                    | 141            | 2167         |
| 7. Merced College                         | 50                            | 19                  | 7          | 172         | 8                  | 6         | 232         | 12                   | 40             | 546          |
| 8. Modesto Junior College                 | 112                           | 33                  | 17         | 418         | 20                 | 5         | 781         | 76                   | 74             | 1536         |
| 9. Porterville College                    | 13                            | 6                   | 21         | 182         | 7                  | 0         | 115         | 4                    | 5              | 353          |
| 10. Reedley Community College             | 14                            | 23                  | 9          | 397         | 8                  | 5         | 271         | 0                    | 30             | 757          |
| 11. San Joaquin Delta College             | 309                           | 164                 | 138        | 464         | 19                 | 22        | 762         | 24                   | 84             | 1986         |
| 12. Taft College                          | 13                            | 8                   | 6          | 62          | 0                  | 2         | 146         | 4                    | 6              | 247          |
| 13. West Hills Community College District | 15                            | 41                  | 27         | 249         | 4                  | 8         | 221         | 6                    | 22             | 593          |
| <b>TOTAL</b>                              | <b>904</b>                    | <b>582</b>          | <b>358</b> | <b>3937</b> | <b>156</b>         | <b>73</b> | <b>4820</b> | <b>154</b>           | <b>527</b>     | <b>11511</b> |
| <b>PERCENT</b>                            | <b>8%</b>                     | <b>5%</b>           | <b>3%</b>  | <b>34%</b>  | <b>1%</b>          | <b>1%</b> | <b>42%</b>  | <b>1%</b>            | <b>5%</b>      | <b>100%</b>  |

### Comparison of Associate's Degree Attainment by Ethnicity – 2001 to 2006

Figure 9 shows that between 2001 and 2006, the percentage of associate's degrees attained by Hispanic students from community colleges in the CVHEC region increased by 2.1 percent, and the percentage of associate's degrees attained by non-White students increased by 5 percent overall. Percentages were determined from the population of students who attained an associate's degree and who reported their ethnicity.

Figure 9.

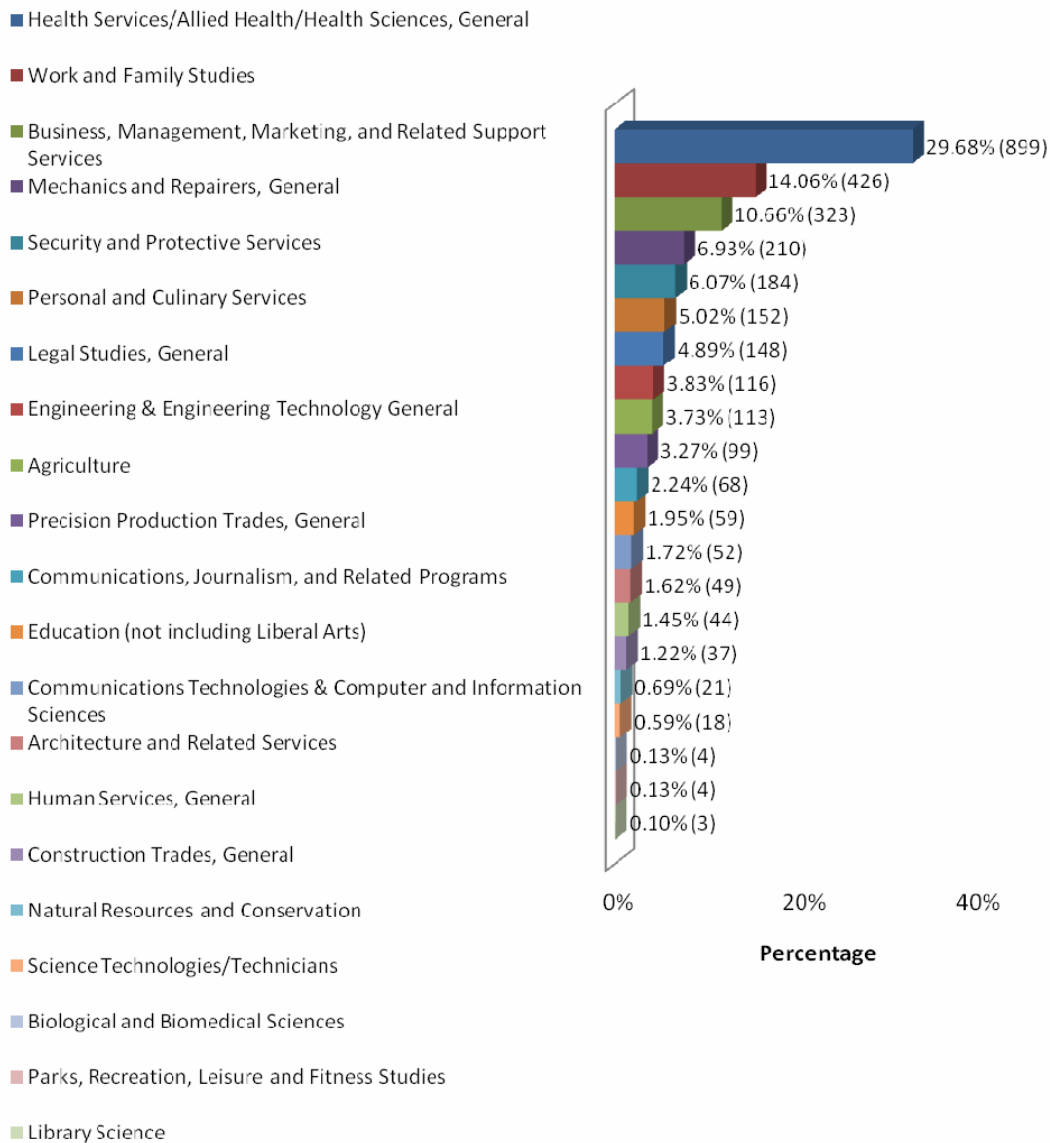


Source: California Post-Secondary Education Commission

Certificate Completion by Career Field

Figure 10 below shows the number and percentage of students completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates within each field by discipline among all CVHEC community colleges. A table containing supporting data is included in the appendices. The largest percentage of students completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates do so in the field of health (29.68%), followed by work and family studies (14.06%) and business (10.66%).

**Figure 10. Pre-Baccalaureate, 1, 2, 3, and less than 4-Year Certificate Completion by Discipline Among All CVHEC Community College Students, 2006-07**



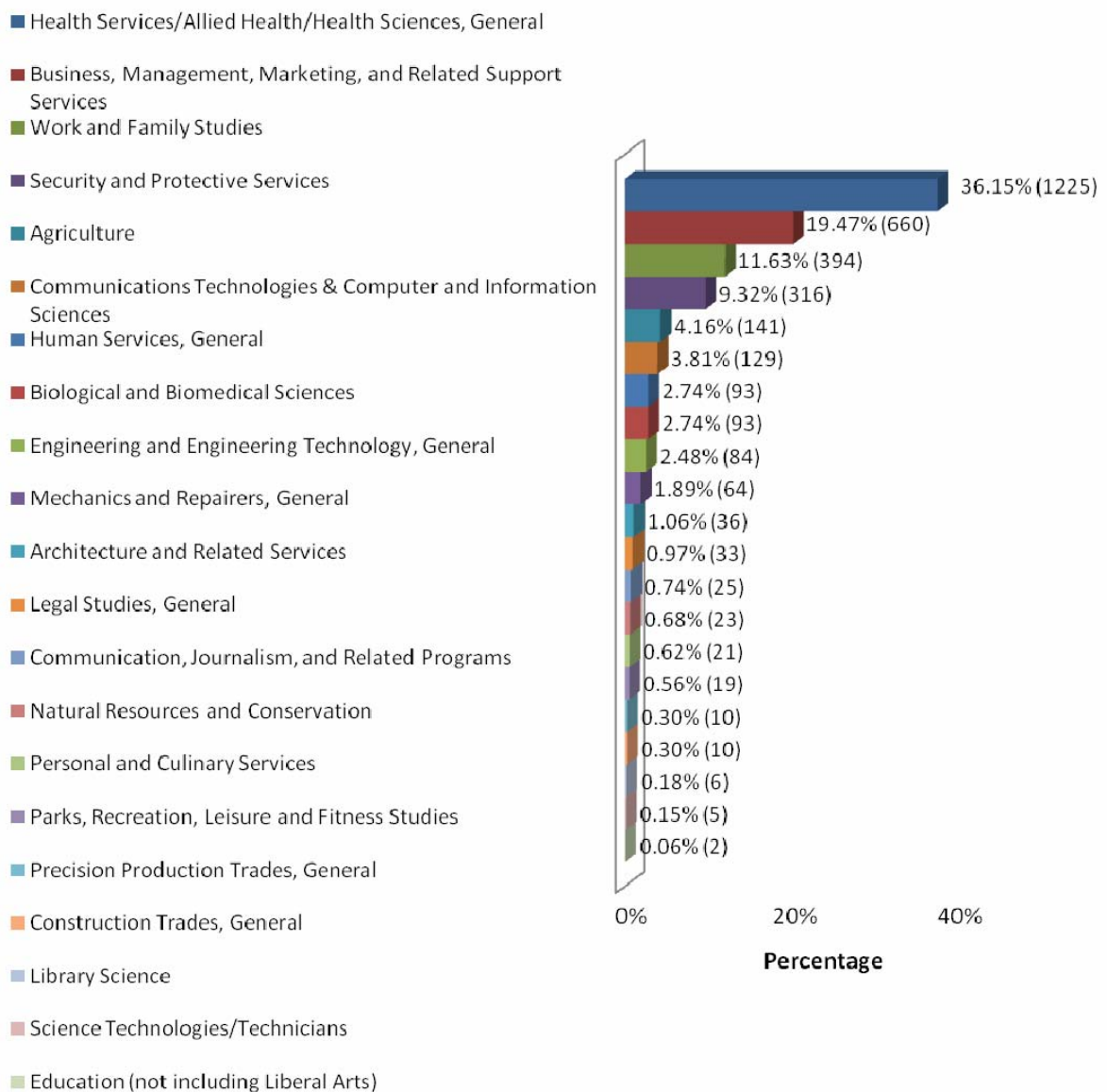
Source: California Post-Secondary Education Commission



2-Year Degree Completion by Career Field

Figure 11 below shows the number and percentage of students completing 2-year degrees within each field by discipline among all CVHEC community colleges. A table containing supporting data is included in the appendices. The largest percentage of students completing 2-year degrees do so in the field of health (36.15%), followed by business (19.47%) and work and family studies (11.63%).

Figure 11. **2-Year Degree Completion by Discipline Among All CVHEC Community College Students, 2006-07**

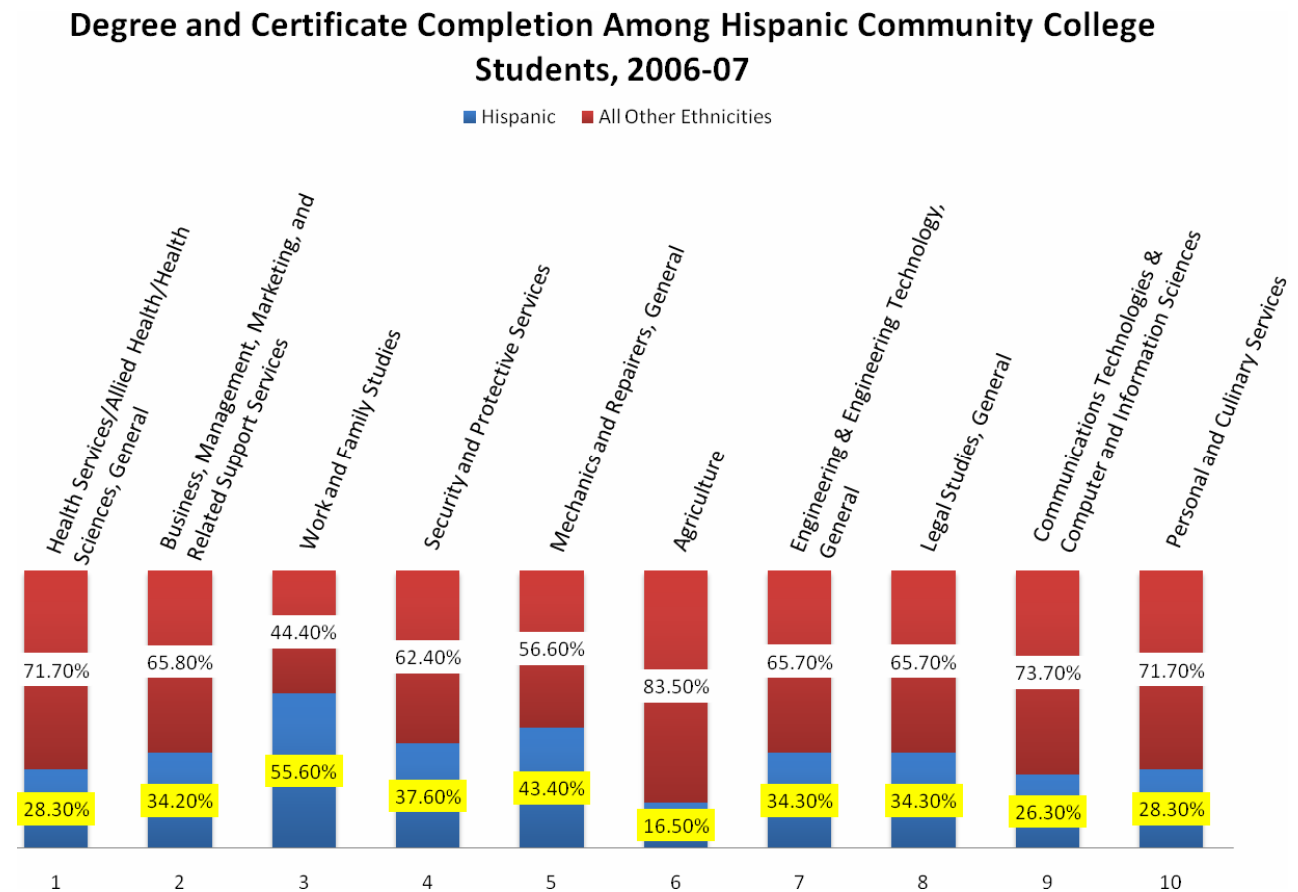


Source: California Post-Secondary Education Commission

## Workforce Preparation

Figure 12 below shows the percentage of Hispanic students receiving 2-year degrees or completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates in the ten most popular career preparation fields. As Hispanics comprise 43% of high school graduates and 37% of community college students in the region, they are, as a group, underrepresented in seven of the ten fields below. They are most underrepresented in the field of Agriculture (16.5%).

Figure 12.



Note: Hispanics comprise 43% of high school graduates and 37% of community college students in the CVHEC region.

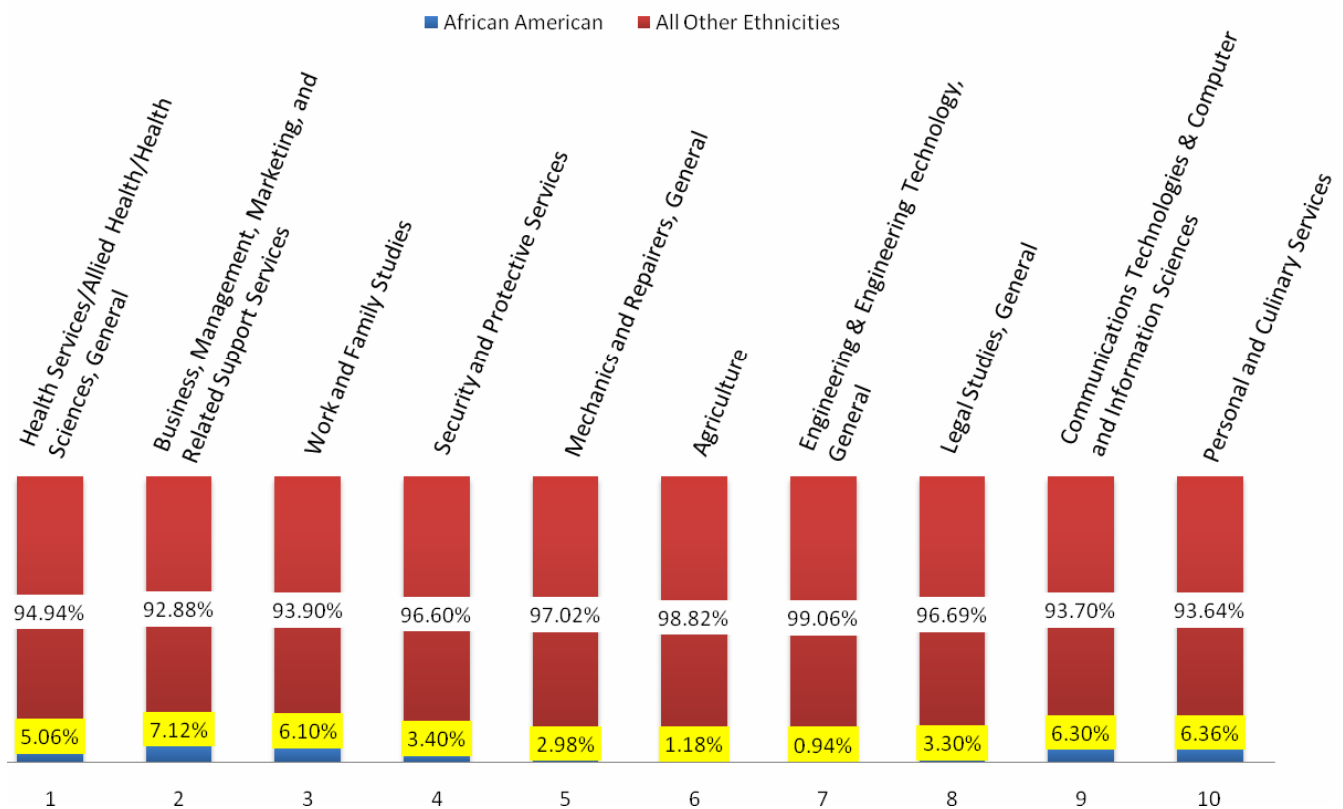
Source: California Post-Secondary Education Commission

## Workforce Preparation

Figure 13 below shows the percentage of African-American students receiving 2-year degrees or completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates in the ten most popular career preparation fields. As African-Americans comprise 5% of high school graduates and 6% of community college students in the region, they are, as a group, most underrepresented in the fields of Engineering (0.9%), Agriculture (1.2%), Mechanics and Repairers (2.98%) and Legal Studies (3.3%).

Figure 13.

### Degree and Certificate Completion Among African American Community College Students, 2006-07



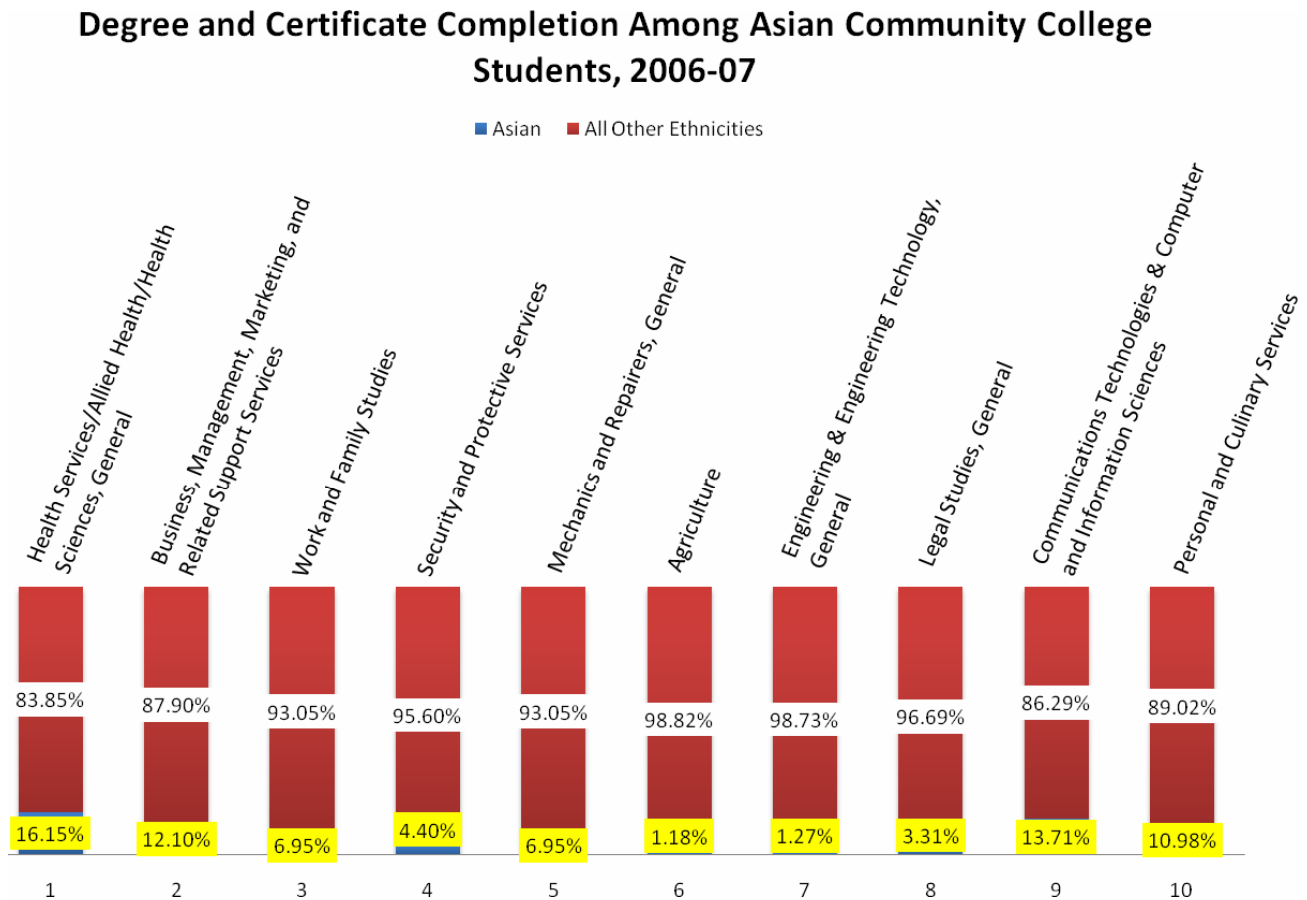
Note: African Americans comprise 5% of high school graduates and 6% of community college students in the CVHEC region.

Source: California Post-Secondary Education Commission

## Workforce Preparation

Figure 14 below shows the percentage of Asian students receiving 2-year degrees or completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates in the ten most popular career preparation fields. As Asians comprise 11% of high school graduates and 10% of community college students in the region, they are, as a group, overrepresented in the Health Services/Health Sciences Field (16.2%), but far underrepresented in the fields of Agriculture (1.2%), Engineering (1.3%), Legal Studies (3.3%) and Security and Protective Services (4.4%).

Figure 14.



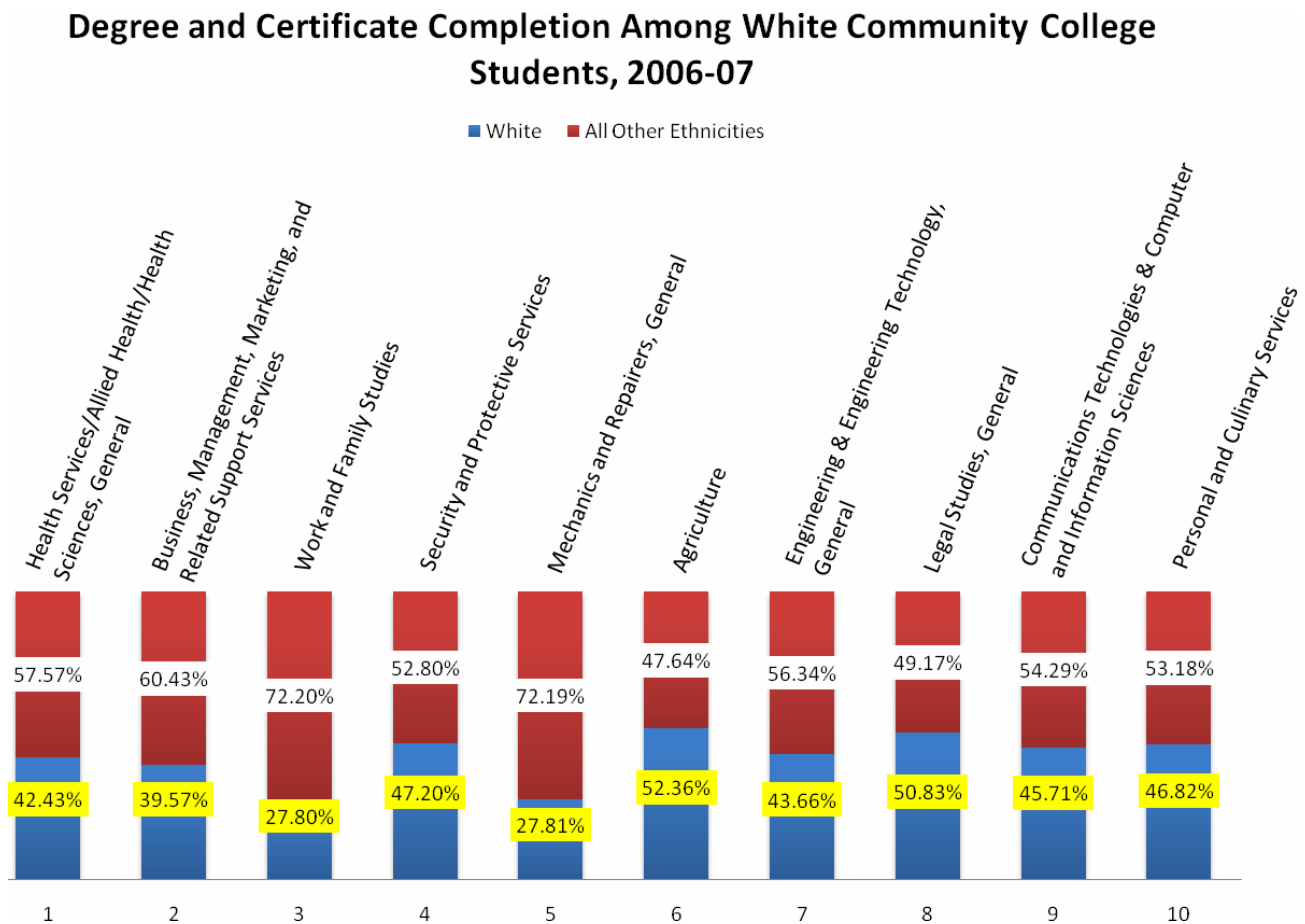
Note: Asians comprise 11% of high school graduates and 10% of community college students in the CVHEC region.

Source: California Post-Secondary Education Commission

## Workforce Preparation

Figure 15 below shows the percentage of White students receiving 2-year degrees or completing pre-baccalaureate, 1, 2, 3, and less than 4-year certificates in the ten most popular career preparation fields. As White students comprise 39% of high school graduates and 37% of community college students in the region, they are, as a group, overrepresented in all of the fields below except for Mechanics and Repairers (27.8%) and Work and Family Studies (27.8%). White students are most overrepresented in the fields of Agriculture (52.4%) and Legal Studies (50.8%).

Figure 15.



Note: Whites comprise 39% of high school graduates and 37% of community college students in the CVHEC region.

Source: California Post-Secondary Education Commission

## Recommendations

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The findings in this report indicate specific needs to increase enrollment of all high school graduates in community colleges and to increase the percentage of Hispanic students in career preparation degree programs, specifically in agriculture. To accomplish this, the CVHEC and the California Partnership for the San Joaquin Valley could consider ways to:

1. Connect high school students with community college education and provide incentive for enrollment through opportunities for students to accumulate community college credit while still in high school. This could be accomplished through increased articulation with K-12 education or summer credit retrieval programs.
2. Articulate career and workforce preparation programs with high school career technical education and ROP offerings throughout the region. Seize the opportunity with Central Valley high schools as they develop newly funded career technical education programs. Increase incentives (credits or course waivers) for students completing ROP and career technical education programs.
3. Seek funding for and/or develop initiatives in agriculture and other career preparation fields to increase the percentage of minority participants.

## CVHEC Executive Director's Conclusions

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As the data in this report indicates, access to higher education in the Central Valley is far from equitable. The newly formed coalition between the Central Valley Higher Education Consortium and the California Partnership for the San Joaquin Valley is committed to meeting enrollment objectives in the Central Valley region. The logical approach for this coalition is to focus on the largest available pool of individuals- those who are not currently on the pathway to higher education. In order to reach the higher education goals outlined in the California Partnership for the San Joaquin Valley strategic action proposal set for the coming years, participation must increase among low-income, first generation, Hispanics and all male populations. Therefore, a strategy designed to meet the needs of the knowledge-based economy is essentially one designed to improve educational attainment of those underrepresented in post-secondary institutions across the Central Valley. The good news is that the Central Valley is making gains in some areas. Hispanic enrollment is on the rise in Central Valley community colleges with this population now enrolling at the same rate as Whites. Also, 10 out of 12 community colleges (or districts) met or exceeded expected transfer rate for the 2001-2006 cohort.

However, barriers to *access* prevent students from enrolling in college or university studies. Barriers to *persistence* prevent the students who do enroll from completing their studies and/or transferring from community college to a four-year university. Taken together, these barriers can be grouped into four areas and should be further examined.

- Academic Ability
- Finances
- Career Focus
- Access to Information

The notion of interacting barriers also provides insight into the situation of specific groups of individuals who encounter multiple barriers to post-secondary education. Low income and first generation individuals face a combination of barriers to higher education; therefore, they are underrepresented on Central Valley college and university campuses.

Pre baccalaureate, 1, 2, 3, and less than 4-Year Certificate Completion by Career Field  
(Specific Career Field by College)

| Discipline   | Bakersfield College | Cerro Cosca College | College of the Sequoias | Columbia College | Fresno City College | Merced College | Modesto Junior College | Porterville College | Reedley Community College | San Joaquin Delta | Taft College | West Hills Community College | Total       | Percentage  |
|--|---------------------|---------------------|-------------------------|------------------|---------------------|----------------|------------------------|---------------------|---------------------------|-------------------|--------------|------------------------------|-------------|-------------|
| Health Services/Allied Health/Health Sciences, General   | 48                  | 10                  | 189                     | 67               | 8                   | 175            | 25                     | 50                  | 121                       | 51                | 176          | 54                           | 899         | 29.68%      |
| Work and Family Studies  | 117                 |                     |                         |                  |                     | 38             |                        | 59                  | 17                        | 12                | 77           | 19                           | 426         | 14.06%      |
| Business, Management, Marketing, and Related Support Services  | 16                  | 11                  | 20                      | 12               | 105                 | 7              | 10                     | 10                  | 2                         | 30                | 94           | 6                            | 323         | 10.66%      |
| Mechanics and Repairs, General   | 6                   | 2                   | 35                      | 20               | 85                  | 1              | 14                     | 11                  | 11                        | 11                | 30           | 5                            | 210         | 6.93%       |
| Security and Protective Services   | 26                  | 2                   | 13                      | 13               | 100                 | 4              | 14                     | 14                  | 7                         | 1                 | 12           | 5                            | 184         | 6.07%       |
| Personal and Culinary Services   | 4                   |                     | 71                      |                  | 47                  |                | 13                     |                     |                           |                   | 17           |                              | 152         | 5.02%       |
| Legal Studies, General   |                     |                     | 135                     |                  |                     | 11             | 2                      |                     |                           |                   |              |                              | 148         | 4.89%       |
| Engineering & Engineering Technology   |                     |                     |                         |                  |                     |                |                        |                     |                           |                   |              |                              |             |             |
| General  | 31                  |                     | 26                      |                  |                     | 14             | 9                      | 3                   |                           |                   | 33           |                              | 116         | 3.88%       |
| Agriculture  | 5                   |                     | 31                      |                  |                     | 7              | 18                     | 32                  | 7                         | 13                | 7            |                              | 113         | 3.73%       |
| Precision Production Trades, General   | 49                  |                     | 3                       |                  |                     | 29             | 2                      | 10                  |                           | 3                 | 3            |                              | 99          | 3.27%       |
| Communication, Journalism, and Related Programs  | 62                  |                     |                         |                  |                     | 3              |                        | 3                   |                           |                   |              |                              | 68          | 2.24%       |
| Education (not including Liberal Arts)   |                     |                     | 1                       |                  |                     | 25             |                        | 30                  | 3                         |                   |              |                              | 59          | 1.95%       |
| Communications Technologies, Technicians and Support Services & Computer and Information Sciences and Support Services | 3                   |                     |                         |                  |                     |                |                        |                     |                           |                   |              |                              |             |             |
| Architecture and Related Services  | 43                  |                     | 8                       |                  |                     | 11             |                        | 18                  |                           |                   | 6            | 3                            | 52          | 1.72%       |
| Human Services, General  | 15                  |                     | 9                       |                  | 2                   | 6              |                        | 4                   |                           |                   | 5            |                              | 49          | 1.62%       |
| Construction Trades, General   | 28                  |                     | 2                       |                  |                     | 2              | 3                      | 2                   |                           |                   | 8            |                              | 44          | 1.45%       |
| Natural Resources and Conservation   | 8                   |                     |                         |                  |                     |                |                        |                     |                           | 13                |              |                              | 37          | 1.22%       |
| Science Technologies/Technicians   |                     |                     |                         |                  |                     |                | 1                      |                     |                           |                   | 17           |                              | 21          | 0.69%       |
| Biological and Biomedical Sciences   |                     |                     |                         | 4                |                     |                |                        |                     |                           |                   |              |                              | 18          | 0.59%       |
| Parks, Recreation, Leisure and Fitness Studies   |                     |                     |                         |                  |                     |                |                        |                     |                           |                   | 4            |                              | 4           | 0.13%       |
| Library Science  |                     |                     |                         |                  |                     | 3              |                        |                     |                           |                   | 4            |                              | 4           | 0.13%       |
| <b>Total</b>   | <b>461</b>          | <b>28</b>           | <b>531</b>              | <b>126</b>       | <b>661</b>          | <b>72</b>      | <b>262</b>             | <b>150</b>          | <b>134</b>                | <b>489</b>        | <b>32</b>    | <b>83</b>                    | <b>3029</b> | <b>100%</b> |



2-Year Degree Completion by Career Field  
(Specific Career Field by College)

| Discipline   | Bakersfield College | Cerro Cosa College | College of the Sequoias | Columbia College | Fresno City College | Merced College | Modesto Junior College | Porterville College | Reedley Community College | San Joaquin Delta | Taft College | West Hills Community College | Total      | Percentage  |             |
|--|---------------------|--------------------|-------------------------|------------------|---------------------|----------------|------------------------|---------------------|---------------------------|-------------------|--------------|------------------------------|------------|-------------|-------------|
| Health Services/Allied Health/Health Sciences, General   | 166                 | 5                  | 120                     |                  | 3                   | 502            | 69                     | 161                 |                           |                   | 123          | 21                           | 55         | 1225        | 36.15%      |
| Business, Management, Marketing, and Related Support Services  | 90                  | 41                 | 24                      | 24               | 7                   | 62             | 53                     | 148                 | 11                        | 30                | 111          | 31                           | 52         | 660         | 19.47%      |
| Work and Family Studies  | 53                  | 2                  | 36                      | 3                | 3                   | 28             | 40                     | 61                  | 19                        | 32                | 86           | 8                            | 26         | 394         | 11.63%      |
| Security and Protective Services   | 42                  | 4                  | 21                      | 22               | 22                  | 24             | 23                     | 81                  | 13                        | 5                 | 28           | 16                           | 37         | 316         | 9.32%       |
| Agriculture  | 15                  |                    | 15                      |                  |                     |                | 20                     | 76                  | 2                         | 8                 | 5            |                              |            | 141         | 4.16%       |
| Communications Technologies, Technicians and Support Services & Computer and Information Sciences and Support Services | 7                   | 11                 |                         |                  |                     |                |                        |                     |                           |                   |              |                              |            |             |             |
| Human Services, General  | 24                  |                    | 12                      | 9                | 17                  | 17             | 5                      | 27                  |                           | 3                 | 40           |                              | 15         | 129         | 3.81%       |
| Biological and Biomedical Sciences   | 58                  |                    | 5                       | 3                | 7                   | 7              | 2                      | 21                  |                           | 16                | 22           | 1                            | 1          | 93          | 2.74%       |
| Engineering & Engineering Technology   | 11                  | 1                  | 1                       |                  |                     | 2              | 10                     | 12                  |                           |                   | 47           |                              |            | 84          | 2.48%       |
| Mechanics and Repairs, General   | 5                   |                    | 1                       | 1                | 1                   | 11             | 3                      | 14                  |                           | 6                 | 22           | 1                            |            | 64          | 1.89%       |
| Architecture and Related Services  | 15                  |                    | 2                       | 2                | 2                   | 2              | 13                     | 13                  |                           |                   | 4            |                              |            | 36          | 1.06%       |
| Legal Studies, General   |                     |                    | 21                      |                  |                     | 7              | 5                      |                     |                           |                   |              |                              |            | 33          | 0.97%       |
| Communication, Journalism, and Related Programs  | 4                   |                    | 3                       |                  |                     |                |                        | 8                   |                           |                   | 10           |                              |            | 25          | 0.74%       |
| Natural Resources and Conservation   | 4                   |                    |                         | 9                | 9                   |                |                        | 2                   |                           | 8                 |              |                              |            | 23          | 0.68%       |
| Personal and Culinary Services   | 5                   |                    |                         | 5                | 3                   | 3              |                        | 2                   |                           |                   | 6            |                              |            | 21          | 0.62%       |
| Parks, Recreation, Leisure and Fitness Studies   | 5                   | 2                  |                         |                  |                     | 1              | 3                      | 8                   |                           |                   |              |                              |            | 19          | 0.56%       |
| Precision Production Trades, General   |                     |                    | 3                       | 3                |                     | 1              |                        | 5                   |                           | 1                 |              |                              |            | 10          | 0.30%       |
| Construction Trades, General   | 1                   |                    | 6                       | 6                | 2                   | 2              | 1                      |                     |                           |                   |              |                              |            | 10          | 0.30%       |
| Library Science  |                     |                    |                         |                  | 6                   | 6              |                        |                     |                           |                   |              |                              |            | 6           | 0.18%       |
| Science Technologies/Technicians   |                     | 2                  |                         |                  |                     |                | 3                      |                     |                           |                   |              |                              |            | 5           | 0.15%       |
| Education (not including Liberal Arts)   |                     |                    |                         |                  |                     | 2              |                        |                     |                           |                   |              |                              |            | 2           | 0.06%       |
| <b>Total</b>   | <b>505</b>          | <b>68</b>          | <b>279</b>              | <b>54</b>        | <b>54</b>           | <b>685</b>     | <b>237</b>             | <b>639</b>          | <b>45</b>                 | <b>109</b>        | <b>504</b>   | <b>78</b>                    | <b>186</b> | <b>3389</b> | <b>100%</b> |

Central Valley Higher Education Consortium Membership and Counties Represented

**Membership**

- Kern Community College District
  - Bakersfield College
  - Porterville College
- State Center Community College District
  - Fresno City College
  - Reedley College
- West Hills Community College District
  - West Hills College - Coalinga
  - West Hills College - Lemoore
- Yosemite Community College District
  - Columbia College
  - Modesto Junior College
- Cerro Coso Community College
- College of the Sequoias
- Merced College
- Reedley Community College
- San Joaquin Delta College
- Taft College
- Fresno Pacific University
- University of the Pacific
- California State University, Bakersfield
- California State University, Fresno
- California State University, Stanislaus
- University of California, Merced
- University of California, San Francisco, at Fresno

**Counties Represented**

- Fresno
- Kern
- Kings
- Madera
- Mariposa
- Merced
- San Joaquin
- Stanislaus
- Tulare
- Tuolumne

## Tables and Figures

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### Tables

|         |  |    |
|---------|--|----|
| Table 1 | Percentage of Public High School Graduates Enrolling in Each Public Higher Education Segment, Fall 2006 .....            | 5  |
| Table 2 | Ethnic Representation among Incoming Freshmen by Higher Education Segment .....  | 9  |
| Table 3 | Percentage of Public High School Graduates in the CVHEC Region Enrolling in Private Higher Education Segment, 2005 ..... | 10 |
| Table 4 | Transfer Rates of CVHEC Community Colleges (2001-2006 Cohort) .....  | 11 |

### Figures

|           |   |    |
|-----------|---|----|
| Figure 1  | CVHEC Region Community College – Freshmen, 2006.....  | 6  |
| Figure 2  | CVHEC Region California State University – Freshmen, 2006.....  | 6  |
| Figure 3  | CVHEC Region University of California, Merced – Freshmen, 2007 .....  | 7  |
| Figure 4  | CVHEC Region Private College – Freshmen, 2006.....  | 7  |
| Figure 5  | Fresno Pacific University – Freshmen, 2006 .....  | 8  |
| Figure 6  | University of the Pacific – Freshmen, 2006.....   | 8  |
| Figure 7  | Ethnic Composition of Transfer Students Received by California State University Campuses within the CVHEC Region, 2006-07 .....                 | 12 |
| Figure 8  | Completion Rates of 2-Year Degrees and Certificates by Ethnicity, 2006-07 .....   | 13 |
| Figure 9  | Comparison of Associate's Degree Attainment by Ethnicity – 2001 to 2006 .....   | 14 |
| Figure 10 | Pre-baccalaureate, 1, 2, 3, and less than 4-Year Certificate Completion by Discipline Among All CVHEC Community College Students, 2006-07 ..... | 15 |
| Figure 11 | 2-Year Degree Completion by Discipline Among All CVHEC Community College Students, 2006-07.....   | 16 |
| Figure 12 | Degree and Certificate Completion Among Hispanic Community College Students .....   | 17 |
| Figure 13 | Degree and Certificate Completion Among African-American Community College Students.....  | 18 |
| Figure 14 | Degree and Certificate Completion Among Asian Community College Students .....  | 19 |
| Figure 15 | Degree and Certificate Completion Among White Community College Students.....   | 20 |



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California Partnership for the  
**San Joaquin Valley**