# BAKERSFIELD COLLEGE

# CTE
# CORE INDICATOR REPORT

## 2015-2016 Planning Year

Institutional Research and Reporting

October 2015

# Bakersfield College Core Indicators for 2015-2016

**PERKINS IV Core Indicators of Performance by Vocational TOP Code**

**Indicators for 2015-2016 Fiscal Year Planning**

**Summary by College for: BAKERSFIELD - KERN**

| Performance Rate Less Than Goal | Total Count is 10 or Greater | Total Count is Less Than 10 |
|---|---|---|

| TOP Code | | Core 1 Skill Attainment | Core 2 Completion | Core 3 Persistence | Core 4 Employment | Core 5a NT Participation | Core 5b NT Completion |
|---|---|---|---|---|---|---|---|
| **Performance Goal ( 2012- 2013)** | | **87.85%** | **82.00%** | **86.75%** | **77.40%** | **19.14%** | **22.54%** |
| **01** | **AGRICULTURE AND NATURAL RESOURCES** | 94.91 | 87.04 | 91.27 | 56.00 | 49.09 | 49.53 |
| 0102 | ANIMAL SCIENCE | 90.00 | 89.66 | 92.22 | 50.00 | 66.67 | 71.43 |
| 0103 | PLANT SCIENCE | 96.15 | 83.33 | 80.77 | 66.67 | 34.62 | 46.15 |
| 0109 | HORTICULTURE | 98.08 | 77.78 | 92.31 | 20.00 | 34.62 | 35.29 |
| 0112 | AGRICULTURE BUSINESS, SALES, AND SERVICE | 91.67 | 100.00 | 91.67 | 88.89 | 50.00 | 50.00 |
| 0114 | FORESTRY | 97.87 | 86.84 | 92.55 | 46.15 | 44.68 | 41.67 |
| 0116 | AGRICULTURAL POWER EQUIPMENT TECHNOLOGY | 100.00 | 100.00 | 100.00 | | 0.00 | 0.00 |
| **02** | **ARCHITECTURE AND RELATED TECHNOLOGIES** | 92.00 | 93.10 | 89.80 | 73.33 | 20.00 | 17.86 |
| 0201 | ARCHITECTURE AND ARCHITECTURAL TECHNOLOGY | 92.00 | 93.10 | 89.80 | 73.33 | 20.00 | 17.86 |
| **05** | **BUSINESS AND MANAGEMENT** | 77.43 | 91.33 | 85.17 | 58.50 | 47.95 | 46.60 |
| 0501 | BUSINESS AND COMMERCE, GENERAL | 92.68 | 76.00 | 90.24 | 42.86 | 68.29 | 68.00 |
| 0502 | ACCOUNTING | 88.51 | 96.36 | 88.10 | 52.78 | 32.18 | 31.34 |
| 0505 | BUSINESS ADMINISTRATION | 26.76 | 100.00 | 85.29 | 66.00 | 57.75 | 57.75 |
| 0506 | BUSINESS MANAGEMENT | 100.00 | 37.50 | 73.91 | 66.67 | 56.52 | 50.00 |
| 0509 | MARKETING AND DISTRIBUTION | 85.71 | 100.00 | 78.57 | 70.00 | 66.67 | 85.71 |
| 0511 | REAL ESTATE | 95.00 | 40.00 | 70.00 | 50.00 | | |
| 0514 | OFFICE TECHNOLOGY/OFFICE COMPUTER APPLICATIONS | 83.33 | 94.12 | 88.89 | 62.50 | 5.56 | 11.76 |
| 0599 | OTHER BUSINESS AND MANAGEMENT | 100.00 | 100.00 | 66.67 | 50.00 | | |
| **06** | **MEDIA AND COMMUNICATIONS** | 100.00 | 84.62 | 86.96 | 66.67 | | |
| 0602 | JOURNALISM | 100.00 | 84.62 | 85.71 | 66.67 | | |
| 0614 | DIGITAL MEDIA | 100.00 | | 100.00 | | | |
| **07** | **INFORMATION TECHNOLOGY** | 88.68 | 58.82 | 84.91 | 61.54 | 13.04 | 7.14 |
| 0701 | INFORMATION TECHNOLOGY, GENERAL | 75.00 | | 100.00 | | 25.00 | 0.00 |
| 0702 | COMPUTER INFORMATION SYSTEMS | 86.96 | 66.67 | 86.96 | 57.14 | 21.74 | 11.11 |
| 0707 | COMPUTER SOFTWARE DEVELOPMENT | 75.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| 0708 | COMPUTER INFRASTRUCTURE AND SUPPORT | 93.33 | 40.00 | 80.00 | 100.00 | 0.00 | 0.00 |
| 0709 | WORLD WIDE WEB ADMINISTRATION | 100.00 | 50.00 | 71.43 | 50.00 | | |
| **09** | **ENGINEERING AND INDUSTRIAL TECHNOLOGIES** | 86.23 | 82.61 | 82.25 | 74.80 | 5.20 | 4.48 |
| 0934 | ELECTRONICS AND ELECTRIC TECHNOLOGY | 97.67 | 80.00 | 79.07 | 76.47 | 0.00 | 0.00 |
| 0947 | DIESEL TECHNOLOGY | 100.00 | 0.00 | 88.24 | 100.00 | 0.00 | 0.00 |
| 0948 | AUTOMOTIVE TECHNOLOGY | 89.66 | 84.00 | 84.21 | 60.42 | 7.76 | 8.89 |
| 0952 | CONSTRUCTION CRAFTS TECHNOLOGY | 92.86 | 56.52 | 74.68 | 86.00 | 3.27 | 3.13 |
| 0953 | DRAFTING TECHNOLOGY | 59.18 | 100.00 | 97.87 | 69.23 | 8.16 | 2.78 |
| 0956 | MANUFACTURING AND INDUSTRIAL TECHNOLOGY | 81.67 | 89.52 | 83.62 | 76.64 | 6.11 | 4.17 |
| **10** | **FINE AND APPLIED ARTS** | 83.72 | 86.67 | 76.19 | 70.59 | 44.19 | 42.31 |
| 1012 | APPLIED PHOTOGRAPHY | 94.12 | 88.89 | 88.24 | 66.67 | 47.06 | 37.50 |
| 1030 | GRAPHIC ART AND DESIGN | 76.92 | 85.71 | 68.00 | 71.43 | 42.31 | 44.44 |
| **12** | **HEALTH** | 69.87 | 99.30 | 83.09 | 73.80 | 10.47 | 10.65 |
| 1225 | RADIOLOGIC TECHNOLOGY | 97.62 | 100.00 | 75.68 | 76.47 | | |
| 1230 | NURSING | 75.92 | 99.01 | 86.30 | 75.60 | 10.47 | 10.65 |
| 1250 | EMERGENCY MEDICAL SERVICES | 32.29 | 100.00 | 75.79 | 67.53 | | |
| 1260 | HEALTH PROFESSIONS, TRANSFER CORE CURRICULUM | 81.82 | 100.00 | 70.00 | 80.00 | | |
| **13** | **FAMILY AND CONSUMER SCIENCES** | 87.37 | 94.62 | 90.86 | 58.20 | 14.80 | 11.62 |
| 1305 | CHILD DEVELOPMENT/EARLY CARE AND EDUCATION | 83.86 | 96.06 | 90.41 | 54.40 | 3.60 | 2.76 |
| 1306 | NUTRITION, FOODS, AND CULINARY ARTS | 92.46 | 91.45 | 91.80 | 74.00 | 31.15 | 31.03 |
| 1307 | HOSPITALITY | 100.00 | 100.00 | 0.00 | 0.00 | | |
| **21** | **PUBLIC AND PROTECTIVE SERVICES** | 92.55 | 77.09 | 88.93 | 75.84 | 18.71 | 26.67 |
| 2104 | HUMAN SERVICES | 36.00 | 100.00 | 92.00 | 50.00 | | |
| 2105 | ADMINISTRATION OF JUSTICE | 89.90 | 82.50 | 87.62 | 75.81 | 45.93 | 42.74 |
| 2133 | FIRE TECHNOLOGY | 97.00 | 63.10 | 89.58 | 80.82 | 2.00 | 2.56 |
| **49** | **INTERDISCIPLINARY STUDIES** | 100.00 | 100.00 | 100.00 | | | |
| 4930 | GENERAL STUDIES | 100.00 | 100.00 | 100.00 | | | |

*Source: CCCCO MIS Database- Core Indicators*

**Table Definitions (continued from previous page)**

Core 1 - Skill Attainment, GPA 2.0 & Above: 87.85% Performance Goal - (2012- 2013)
Core 2 - Completions, Certificates, Degrees and Transfer Ready: 82.00% Performance Goal - (2012- 2013)
Core 3 - Persistance in Higher Education: 86.75% Performance Goal - (2012- 2013)
Core 4 - Employment: 77.40% Performance Goal - (2012- 2013)
Core 5 - Training Leading to Non-traditional Employment: Greater than 19.14% Participation & 22.54% Completion - (2012- 2013)

For tables with six digit TOP Code information, please see Appendix C.


**Bakersfield College programs (at the four digit TOP Code level) that have Core Indicator outcome gaps that are greater than 10%. Gaps are the difference between the program result and the performance goal. The number in brackets is the percentage point difference between the program result and the performance goal. Programs with fewer than 10 student concentrators are excluded.**
**For tables with six digit TOP Code information, please see Appendix C.**

**Gap List:**

- **Core 1 -** Skill Attainment GPA ≥ 2.0 (**87.85%**) (**Six** programs)
    - TOP code 0505 Business Administration [-61.09]
    - TOP code 0953 Drafting Technology [-28.67]
    - TOP code 1030 Graphic Art and Design [-10.93]
    - TOP code 1230 Nursing [-11.93]
    - TOP code 1250 Emergency Medical Services [-55.56]
    - TOP code 2104 Human Services [-51.85]


- **Core 2 -** Completion (**82.00%**) (**Two** programs)
    - TOP code 0952 Construction Crafts Technology [-25.48]
    - TOP code 2133 Fire Technology [-18.90]


- **Core 3 -** Persistence (**86.75%**) (**Seven** programs)
    - TOP code 0506 Business Management [-12.84]
    - TOP code 0511 Real Estate [-16.75]
    - TOP code 0952 Construction Crafts Technology [-12.07]
    - TOP code 1030 Graphic Art and Design [-18.75]
    - TOP code 1225 Radiologic Technology [-11.07]
    - TOP code 1250 Emergency Medical Services [-10.96]
    - TOP code 1260 Health Professions, Transfer Core Curriculum [-16.75]

- **Core 4 -** Employment (**77.40%**) (**Ten** programs)
    - TOP code 0102 Animal Science [-27.40]
    - TOP code 0114 [-31.25]
    - TOP code 0501 Business and Commerce, General [-34.54]
    - TOP code 0502 Accounting [-24.62]
    - TOP code 0505 Business Administration [-11.40]
    - TOP code 0514 Office Technology/ Office Computer Applications [-14.90]
    - TOP code 0948 Automotive Technology [-16.98]
    - TOP code 0953 Drafting Technology [-8.17]
    - TOP code 1250 Emergency Medical Services [-9.87]
    - TOP code 2104 Human Services [-27.40]

- **Core 5a** - Non-traditional Gender Participation (**19.14%**) (**Eight** programs)
    - TOP code 0514 Office Technology/Office Computer Applications [-13.58]
    - TOP code 0948 Automotive Technology [-11.38]
    - TOP code 0952 Construction Crafts Technology [-15.87]
    - TOP code 0953 Drafting Technology [-10.98]
    - Top Code 0956 Manufacturing and Industrial Technology [-13.03]
    - TOP code 1230 Nursing [-8.67]
    - TOP code 1305 Child Development/ Early Care and Education [-15.54]
    - TOP code 2133 Fire Technology [-17.14]

- **Core 5b** - Non-traditional Gender Completion (**22.54%**) (**Nine** programs)
    - TOP code 0201 Architecture and Architectural Technology [-4.68]
    - TOP code 0514 Office Technology/Office Computer Applications [-10.78]
    - TOP code 0948 Automotive Technology [-13.65]
    - TOP code 0952 Construction Crafts Technology [-19.42]
    - TOP code 0953 Drafting Technology [-19.76]
    - TOP code 0956 Manufacturing and Industrial Technology [-18.37]
    - TOP code 1230 Nursing [-11.89]
    - TOP code 1305 Child Development/ Early Care and Education [-19.78]
    - TOP code 2133 Fire Technology [-19.98]

## Core Indicator Results for the 2015-2016 Fiscal Planning Year

**Overview of Core Indicator measures**

In the 2015-2014 planning year data, Bakersfield College had a total of 41 programs (at the four digit TOP Code level). Each program has 6 core indicator measures, which result in a total of 246 individual indicator measures. Of the 246 measures, 28 had no data and 54 had fewer than ten student concentrators, for a total of 33% that were not used for evaluation. Of the 41 programs, 51% (21) were reported on the gap list (having an indicator measure greater than 10% below the performance goal). Below are the results for each core indicator measure.

**Core 1 Skill Attainment GPA ≥ 2.0 (87.85%)**

Six programs were included on current Core 1 gap list (having an indicator measure greater than 10% below the performance goal). This was a decrease of one program compared to last year. Two programs ('Manufacturing and industrial Technology' and 'Health Professions/Transfer Core Curriculum') were removed, their gaps this year less than 10% below the performance goal. 'Graphic Art and Design', was newly added to the list this year. Of the five programs remaining on both years' list, three improved ('Nursing', 'Emergency Medical Services' and 'Human Services') and two declined ('Business Administration', 'Drafting Technology').

**Core 2 Completions, Certificates, Degrees and Transfer Ready (82.00%)**

Two programs were included on the current Core 2 gap list (having an indicator measure greater than 10% below the performance goal). This was a decrease of two program compared to last year. Two programs ('Automotive Technology' and 'Office Technology/ Office Computer Applications') were removed after exceeding the performance goal. Of the two remaining programs on both years' list, both improved ('Fire Technology' and 'Construction Crafts Technology').

**Core 3 Persistence in Higher Education (86.75%)**

Seven programs were included on the current Core 3 gap list (having an indicator measure greater than 10% below the performance goal). This was an increase of three programs compared to last year. One program ('Drafting Technology') exceeded the performance goal and was removed. One program (Electronics and Electrical Technology') improved its gap to less than 10% below the performance goal and was also removed. Five new programs ('Business Management', 'Real Estate', 'Construction Crafts Technology', Graphic Art Design' and 'Health Professions/Transfer Core Curriculum') were added to the current list. The two remaining programs ('Radiologic Technology' and 'Emergency Medical Services') both years' list improved.

**Core 4 Employment (77.40%)**

Ten programs were included on the current Core 4 gap list (having an indicator measure greater than 10% below the performance goal). This was an increase of two programs. One program ('Fire Technology') exceeded the performance gap and was removed. Four programs ('Architecture/ Architectural Technology', 'Manufacturing and Industrial Technology', 'Nutrition, Foods, and Culinary Arts' and 'Administration of Justice') improved their gaps to less than 10% below the performance goal and were also removed. Three programs ('Drafting Technology', 'Emergency Medical Services' and 'Human Services') were added to the current list after having no gaps last year. Three programs ('Business and Commerce/ General', 'Business Administration' and 'Automotive Technology') were added to the list this year after previously having measures less than the performance goal last year (but not greater than 10% below). One program ('Forestry') previously had a gap greater than 10% below the performance goal but was not added to the list until the program had 10 students. Of the three remaining programs on both years' list, one improved ('Office Technology/ Office Computer Applications') and two declined ('Animal Science' and 'Accounting').

**Core 5a Non-traditional Gender Participation – Participation (19.14%)**

Eight programs were included on the current Core 5a gap list (having an indicator measure greater than 10% below the performance goal). This was a decrease of four in the number of programs compared to the previous year. One program ('Architecture/ Architectural Technology') exceeded the performance goal and was removed from the current list. Three programs ('Computer Infrastructure and Support', 'Electronics/ Electric Technology' and 'Diesel Technology') improved their gaps to less than 10% below the performance goal and were also removed. Of the eight programs on both lists, seven declined ('Office Technology/ Office Computer Applications', 'Automotive Technology', 'Construction Crafts Technology', 'Manufacturing and Industrial Technology', 'Nursing', 'Child Development/ Early Care and Education' and 'Fire Technology'), one improved ('Drafting Technology') compared to last years' indicator measures.

**Core 5b Non-traditional Gender Participation – Completion (22.54%)**

Nine programs were included on the current Core 5b gap list (having an indicator measure greater than 10% below the performance goal). This was a decrease of one program. One program ('Computer Information Systems') was removed from the current gap list having fewer than 10 students. Another program ('Electronics/ Electric Technology') improved, having a gap less than 10% below the performance goal and was also removed from the current list. One program ('Office Technology/ Office Computer Applications') was newly added to the list this year. Of the eight programs on both years' list, four declined ('Construction Crafts Technology', 'Manufacturing and Industrial Technology', 'Child Development/ Early Care and Education', and 'Fire Technology') and four improved ('Architecture and Architectural Technology', 'Automotive Technology', 'Drafting Technology' and 'Nursing').

**Special Student Populations within programs (at the four digit TOP Code level) that have a Core Indicator 1 outcome gap that is greater than 10%. Gaps are the difference between the program result and the performance goal.**
**Special populations include: economically disadvantaged, disabled, non-traditional, and female student concentrators. The number in brackets is the percentage point difference between the program result and the performance goal. Programs with fewer than 10 student concentrators are excluded.**

**Core 1 Skill -** Attainment GPA ≥ 2.0 (**87.85%**) for **Special Populations**

- **Female** (**Eight** programs)
    - TOP code 0201 Architecture and Architectural Technology [-17.85]
    - TOP code 0505 Business Administration [-56.14]
    - TOP code 0956 Manufacturing and industrial Technology [-24.21]
    - TOP code 1030 Graphic Art and Design [-15.12]
    - TOP code 1230 Nursing [-11.38]
    - TOP code 1250 Emergency Medical Services [-58.96]
    - TOP code 2104 Human Services [-54.52]
    - TOP code 2133 Fire Technology [-17.85]

- **Non-traditional** (**Six** programs)
    - TOP code 0201 Architecture and Architectural Technology [-17.85]
    - TOP code 0505 Business Administration [-56.14]
    - TOP code 0956 Manufacturing and industrial Technology [-24.21]
    - TOP code 1030 Graphic Art and Design [-15.12]
    - TOP code 1230 Nursing [-17.85]
    - TOP code 2133 Fire Technology [-17.85]

- **Economically Disadvantaged** (**Seven** programs)
    - TOP code 0505 Business Administration [-62.14]
    - TOP code 0952 Construction Crafts Technology [-19.10]
    - TOP code 0953 Drafting Technology [-24.89]
    - TOP code 1030 Graphic Art and Design [-14.52]
    - TOP code 1230 Nursing [-15.40]
    - TOP code 1250 Emergency Medical Services [-52.37]
    - TOP code 2104 Human Services [-50.35]

- **Students with Disabilities** (**One** program)
    - TOP code 1230 Nursing [-37.85]

## Special Populations Core Indicator 1 Results for the 2015-2016 Fiscal Planning Year

**Core 1 Skill Attainment GPA ≥ 2.0 (89.46%)**

Eight programs were included on current Core 1 gap list (having an indicator measure greater than 10% below the performance goal) for the Female student population. This was an increase of two programs this year (having an indicator measure greater than 10% below the performance goal). Three programs ('Architecture and Architecture Technology', 'Graphic Art and Design', and 'Fire Technology') were added to the current list after having no indicator gaps last year. One program ('Health Professions, Transfer Core Curriculum') was removed from the list having less than ten students. Of the five remaining programs on both list two ('Business Administration' and 'Manufacturing and Industrial Technology') improved and three ('Nursing', 'Emergency Medical Services', and 'Human Services') declined.

The Non-traditional student population had six programs on the Core 1 gap list this year (having an indicator measure greater than 10% below the performance goal). An increase of two programs compare to last year. One program ('Child Development/ Early Care and Education') met the current goal and was removed from the list. Three programs ('Architecture and Architecture Technology', 'Graphic Art and Design', and 'Fire Technology') declined and were added to the current list. Of the three remaining programs on both lists ('Business Administration' and 'Manufacturing/Industrial Technology', and 'Nursing') all declined.

The Economically Disadvantaged student population had seven programs on the Core 1 gap list this year (having an indicator measure greater than 10% below the performance goal). An increase of one program compared to last year. Two programs were new this year ('Construction Crafts Technology' and 'Graphic Art Design'. One program ('Manufacturing and Industrial Technology') improved no longer having a gap in its skill attainment indicator measure and was removed from the current list. Of the five programs on both lists, three declined ('Nursing', 'Emergency Medical Services', and 'Human Services) and two improved ('Business Administration' and 'Drafting Technology').

Finally, the Students with Disabilities population had one program on the Core 1 gap list this year (having an indicator measure greater than 10% below the performance goal). This was a decrease of one program compared to last year. One program ('Animal Science') met the performance goal and was removed from the list. The one remaining program ('Nursing') on both lists improved.

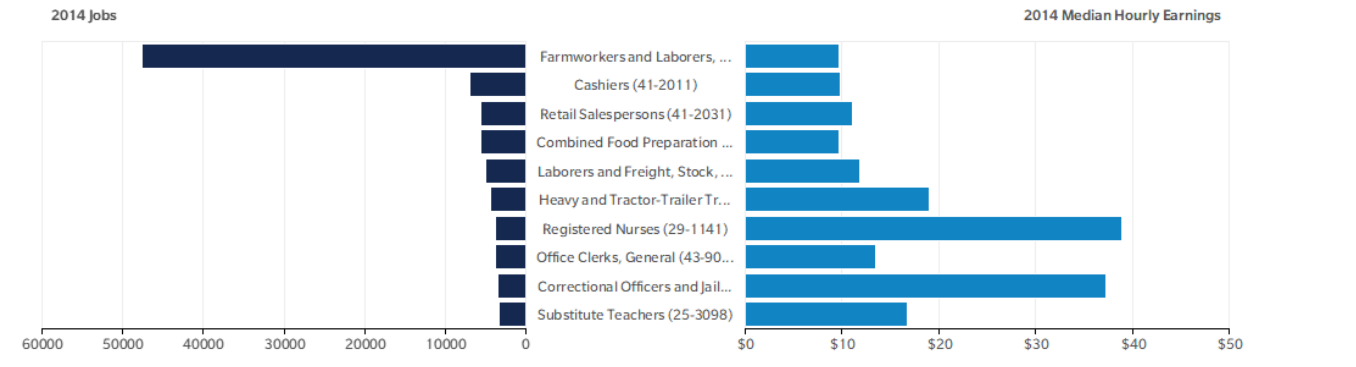## Labor Market Data – High Growth and/or Medium to High Wage Jobs

The EMSI data provided below lists occupations with the greatest job growth in the Bakersfield College service area (portions of Kern County as defined by zip code – see appendix B). The table includes the 6-Digit SOC Occupation code and description. When reviewing the table below note that the column "5 Yr Job Change" indicates the number of new jobs between 2014 and 2019. The column "5 Yr Job Openings" includes the number of jobs in "5 Yr Job Change" and any jobs that require replacement due to attrition. Finally, the table is sorted by "5 Yr % Change".

| Top Ten Occupations with the Greatest Rate of Growth in the BC Service Area (with Average Annual Openings ≥ 20) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| SOC | Description | 2014 Jobs | 2019 Jobs | 5 Yr Job Change | 5 Yr % Change | 5 Yr Job Openings | Average Annual Openings | Median Hourly Earnings |
| 31-1011 | Home Health Aides | 727 | 1,043 | 316 | 43% | 403 | 81 | $10.74 |
| 39-9021 | Personal Care Aides | 2,091 | 2,891 | 800 | 38% | 894 | 179 | $9.88 |
| 35-3011 | Bartenders | 500 | 658 | 158 | 32% | 277 | 55 | $10.84 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | 362 | 469 | 107 | 30% | 133 | 27 | $22.52 |
| 35-1012 | First-Line Supervisors of Food Preparation and Serving Workers | 1,038 | 1,291 | 253 | 24% | 426 | 85 | $14.40 |
| 41-4012 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 1,371 | 1,701 | 330 | 24% | 484 | 97 | $28.59 |
| 51-9198 | Helpers--Production Workers | 334 | 414 | 80 | 24% | 116 | 23 | $15.14 |
| 35-3022 | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop | 312 | 386 | 74 | 24% | 188 | 38 | $10.91 |
| 47-2073 | Operating Engineers and Other Construction Equipment Operators | 1,328 | 1,634 | 306 | 23% | 482 | 96 | $23.91 |
| 41-2031 | Retail Salespersons | 5,656 | 6,952 | 1,296 | 23% | 2,439 | 488 | $11.14 |

Note: Six Digit SOC Occupation sorted by % Change.

Source: EMSI – Dataset Version 2015.2

The EMSI data below lists the top ten occupations with the greatest number of jobs and corresponding median hourly earnings in the Bakersfield College service area (portions of Kern County as defined by zip code – see appendix B).



| Occupation | 2014 Jobs | 2019 Jobs | Change in Jobs (2014-2019) | % Change | 2014 Median Hourly Earnings |
|---|---|---|---|---|---|
| Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 47,647 | 53,318 | 5,670 | 12% | $9.65 |
| Cashiers | 6,993 | 7,821 | 828 | 12% | $9.86 |
| Retail Salespersons | 5,656 | 6,952 | 1,296 | 23% | $11.14 |
| Combined Food Preparation and Serving Workers, Including Fast Food | 5,545 | 6,783 | 1,238 | 22% | $9.65 |
| Laborers and Freight, Stock, and Material Movers, Hand | 5,007 | 5,546 | 538 | 11% | $11.84 |
| Heavy and Tractor-Trailer Truck Drivers | 4,414 | 5,156 | 742 | 17% | $19.07 |
| Registered Nurses | 3,841 | 4,499 | 658 | 17% | $38.87 |
| Office Clerks, General | 3,746 | 4,129 | 383 | 10% | $13.45 |
| Correctional Officers and Jailers | 3,514 | 3,698 | 185 | 5% | $37.24 |
| Substitute Teachers | 3,398 | 3,652 | 254 | 7% | $16.70 |

Note: Six Digit SOC Occupation sorted by 2014 Jobs.

Source: EMSI – Dataset Version 2015.2

The EMSI data below lists the top ten highest paying occupations with the corresponding median hourly earnings in the Bakersfield College service area (portions of Kern County as defined by zip code – see appendix B).
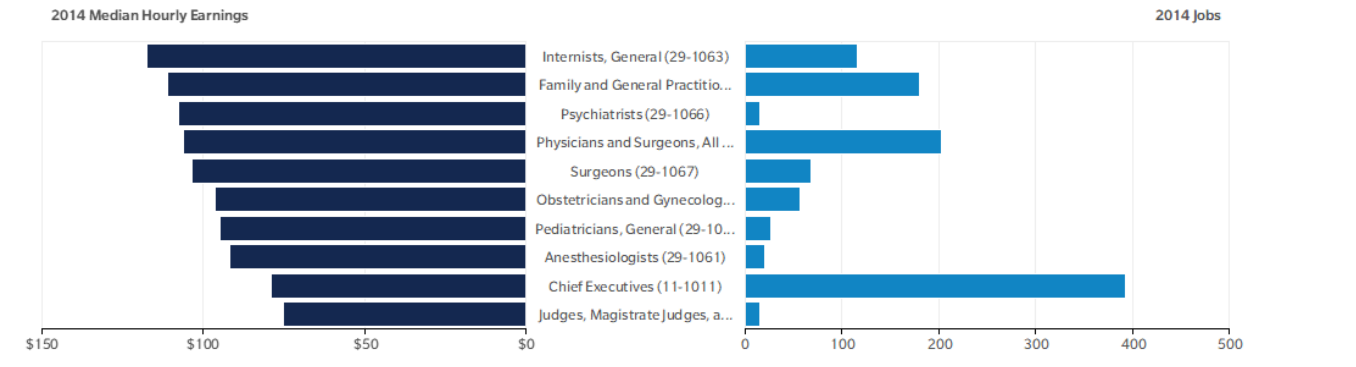


| Occupation | 2014 Jobs | 2019 Jobs | Change in Jobs (2014-2019) | % Change | 2014 Median Hourly Earnings |
|---|---|---|---|---|---|
| Internists, General | 116 | 124 | 8 | 7% | $117.40 |
| Family and General Practitioners | 180 | 199 | 20 | 11% | $111.13 |
| Psychiatrists | 15 | 19 | 4 | 30% | $107.51 |
| Physicians and Surgeons, All Other | 203 | 254 | 51 | 25% | $106.19 |
| Surgeons | 68 | 77 | 9 | 14% | $103.47 |
| Obstetricians and Gynecologists | 56 | 60 | 4 | 6% | $96.40 |
| Pediatricians, General | 27 | 31 | 4 | 16% | $94.67 |
| Anesthesiologists | 21 | 25 | 5 | 24% | $91.95 |
| Chief Executives | 393 | 430 | 36 | 9% | $78.86 |
| Judges, Magistrate Judges, and Magistrates | 15 | 19 | 4 | 26% | $75.28 |

Note: Six Digit SOC Occupation sorted by 2014 Median Hourly Earnings.

Source: EMSI – Dataset Version 2015.2

The list below provides information on the top ten (six-digit SOC) occupations with the greatest number of job openings in the BC service area that require a certificate, associate degree, or bachelor degree. The 'Heavy and Tractor-Trailer Truck Drivers' occupation had the most projected annual openings for occupations requiring a certificate (postsecondary non-degree award) and had a median hourly wage (19$) more than double the state minimum wage ($9) in 2014. The 'Registered Nurses' occupation had the most projected annual openings for occupations requiring an associate degree from 2014 through 2019 and a median hourly wage of more than $38 in 2014. The 'Elementary School Teachers, Except Special Education' occupation is projected to have the highest annual openings requiring a bachelor degree from 2014 through 2019 and had a median hourly wage of more than $30 in 2014.

*Top Ten Occupations with the Greatest Number of Job Openings (Requiring a Certificate, Associate, or Bachelor Degree and Jobs) in the BC Service Area*

| Bakersfield College Service Area | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Occupations with the Greatest Number of Job Openings Requiring a Certificate, Associate, or Bachelor Degree** | | | | | | | | | |
| **Type** | **SOC** | **Description** | **2014 Jobs** | **2019 Jobs** | **Change** | **% Change** | **Openings** | **Annual Openings** | **Median Hourly Earnings** |
| Certificate | 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 4,414 | 5,156 | 742 | 17% | 1,142 | 228 | $19.07 |
| | 31-1014 | Nursing Assistants | 1,509 | 1,768 | 259 | 17% | 418 | 84 | $11.40 |
| | 31-9092 | Medical Assistants | 1,658 | 1,836 | 178 | 11% | 348 | 70 | $12.93 |
| | 29-2061 | Licensed Practical and Licensed Vocational Nurses | 1,075 | 1,220 | 145 | 13% | 287 | 57 | $23.66 |
| | 33-2011 | Firefighters | 845 | 896 | 51 | 6% | 172 | 34 | $30.20 |
| | 51-1011 | First-Line Supervisors of Production and Operating Workers | 670 | 762 | 92 | 14% | 146 | 29 | $29.35 |
| | 49-2022 | Telecommunications Equipment Installers and Repairers, Except Line Installers | 472 | 564 | 92 | 19% | 129 | 26 | $28.18 |
| | 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 460 | 511 | 51 | 11% | 114 | 23 | $24.17 |
| | 31-9091 | Dental Assistants | 706 | 735 | 29 | 4% | 105 | 21 | $14.15 |
| | 29-2071 | Medical Records and Health Information Technicians | 328 | 371 | 43 | 13% | 90 | 18 | $17.15 |
| AA/AS Degree | 29-1141 | Registered Nurses | 3,841 | 4,499 | 658 | 17% | 1,069 | 214 | $38.87 |
| | 25-2011 | Preschool Teachers, Except Special Education | 574 | 635 | 61 | 11% | 147 | 29 | $14.26 |
| | 29-2012 | Medical and Clinical Laboratory Technicians | 312 | 371 | 59 | 19% | 105 | 21 | $18.70 |
| | 19-4041 | Geological and Petroleum Technicians | 289 | 289 | 0 | 0% | 80 | 16 | $29.06 |
| | 17-3023 | Electrical and Electronics Engineering Technicians | 400 | 423 | 23 | 6% | 75 | 15 | $38.04 |
| | 29-2034 | Radiologic Technologists | 280 | 330 | 50 | 18% | 73 | 15 | $31.17 |
| | 29-2021 | Dental Hygienists | 300 | 326 | 26 | 9% | 66 | 13 | $34.76 |
| | 19-4031 | Chemical Technicians | 152 | 186 | 34 | 22% | 56 | 11 | $20.65 |
| | 29-1126 | Respiratory Therapists | 216 | 243 | 27 | 13% | 49 | 10 | $33.75 |
| | 17-3029 | Engineering Technicians, Except Drafters, All Other | 284 | 293 | 9 | 3% | 47 | 9 | $36.70 |
| Bachelor's Degree | 25-2021 | Elementary School Teachers, Except Special Education | 3,257 | 3,717 | 460 | 14% | 853 | 171 | $30.33 |
| | 11-1021 | General and Operations Managers | 3,089 | 3,507 | 418 | 14% | 733 | 147 | $44.92 |
| | 25-3098 | Substitute Teachers | 3,398 | 3,652 | 254 | 7% | 560 | 112 | $16.70 |
| | 25-2031 | Secondary School Teachers, Except Special and Career/Technical Education | 1,521 | 1,723 | 202 | 13% | 429 | 86 | $32.93 |
| | 13-2011 | Accountants and Auditors | 1,441 | 1,567 | 126 | 9% | 366 | 73 | $29.33 |
| | 25-2022 | Middle School Teachers, Except Special and Career/Technical Education | 868 | 1,029 | 161 | 19% | 269 | 54 | $30.73 |
| | 13-1111 | Management Analysts | 532 | 649 | 117 | 22% | 164 | 33 | $41.54 |
| | 13-1051 | Cost Estimators | 501 | 570 | 69 | 14% | 159 | 32 | $27.66 |
| | 21-1021 | Child, Family, and School Social Workers | 813 | 877 | 64 | 8% | 157 | 31 | $26.07 |
| | 13-1161 | Market Research Analysts and Marketing Specialists | 486 | 596 | 110 | 23% | 148 | 30 | $29.95 |

*Sorted by annual openings*                                    *Source: EMSI – Dataset Version 2015.2*

## Demographic data on the BC Service Area

2014 demographic data provided by Economic Modeling Services Intl. (EMSI) for the BC service area (portions of Kern County as defined by zip code – see appendix B) estimates the population to be 730,666.  Of those, 56% are Hispanic and 49% are Female.  The BC service areas highest Two Digit CIP Code educational completions were in Health Professions and related programs in 2013 (EMSI).  Kern County 2014 educational attainment estimates for residents 25 years or older are as follows - 23% have attended some college, 7% received an associate's degree, 10% received a bachelor's degree, and 5% received a graduate or professional degree (EMSI).  The 2009-2013 American Community Survey (ACS) 5-year rolling average estimate for Kern County residents living below the poverty line was 22.9% in 2014.

## Appendix A

**Definitions of Core Indicator Terms**

**Participant:** Students enrolled in SAM Code A-D courses (CB09) are used for funding along with an economically disadvantaged status.

**Concentrator:** a student who has completed a minimum threshold of 12 or more units of related coursework (as defined by a two-digit TOP code) in a vocational or technical program area within the most recent three years with at least one of the courses above the introductory level.  Additionally, students earning a vocational degree or certificate in the cohort year will be included in the cohort whether or not they meet the unit threshold requirements.  As in the previous Perkins cohorts, receiving a vocational certificate or degree in the cohort year will override the program assignment based on units.

**Apprenticeship:** Student concentrators who were enrolled in an apprenticeship course or program.

**Completers:** Any student who earned a credit, certificate, or degree.  The completion indicator includes students who were transfer prepared.

**Life Long Learners:** Students in the cohort year who either came to the college with a postsecondary degree (Certificate-Ph.D.) or who earned a certificate or degree in a prior year and did not earn a certificate or degree in the current year.

**Leaver:** Students NOT enrolled in the year following the end of the cohort year at any college in the California Community College system are considered leavers for the system reports.

**College Leaver/Transfers:** Leavers from one college attending another California Community College during the year following the cohort year are considered transfers within the system and are considered transfers for the sending college in college reports.

**Transfer Prepared**: Students who successfully compete 60 UC/CSU transferable units with a GPA at or above 2.0 in those transferable courses.

**Transfers:** For statewide reporting, students enrolled in any non- California Community College (CCC) institution of higher education (as identified through the National Student Loan Clearinghouse) during the cohort year or the year following the cohort, are considered transfers.  CCC transfers are considered persisters in the statewide reporting.

**Employed:** Students found with earnings in any quarter in the year following the cohort year, in the Unemployment Insurance base wage file, are considered employed.  Military service and federal employment are not currently collected but efforts will be made to reinstate those administrative data matches.

**Persisters:** Student retention in postsecondary education or transfer to a baccalaureate degree program.

**Retention:** California uses persistence instead of retention as defined in the Perkins IV Act.

## Definitions of Special Population Terms

**Non-traditional:** Occupations or fields of work, for which individuals from one gender comprise less than 25% of the individuals employed in each such occupation or field of work.

**Limited English Proficient:** A student enrolled in an pre-collegiate English as a Second Language (ESL) course including English as a Second Language, Survival ESL, or Vocational ESL; or a student identified by staff as needing English as a Second Language (ESL) services.

**Economically Disadvantaged:** A student meeting one of the following criteria:

1. The student is awarded a Board of Governors Waiver (BOGW)
2. The student is awarded a Pell Grant reported in MIS data
3. The student is identified as a WIA participant currently reported in the Job Training Partnership Program (JTPA) reported in MIS data
4. The student is identified as a participant in the CalWORKs Program reported in MIS data
5. The student is reported as economically disadvantaged
6. The student is identified as a recipient of public aid in the California Department of Social Services (DSS) data match for the cohort.

**Disability:** As defined in Section 3 of the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12102) as a physical or mental impairment that substantially limits one or more of the individual's major life activities, such as caring for one's self, performing manual tasks, walking, seeing, hearing, speaking, breathing, learning, and working.

**Single Parent:** An individual who is unmarried or legally separated from a spouse, who has a minor child or children for whom the parent has either custody or joint custody, or who is pregnant.

**Displaced Homemaker:** An adult who has been out of the workforce, working to care for the home and children, and often has diminished or hidden marketable skills; has been dependent on public assistance or the income of a relative but is no longer supported by such income; or is a parent whose youngest dependent child will become ineligible to receive assistance under Part A of Title IV of the Social Security Act, is unemployed or underemployed; and is experiencing difficulty in obtaining or upgrading employment (American Vocational Association, 1998, pp. 88-90).

## What are Core Indicators?

**Core 1 – Technical Skill Attainment-** student attainment of challenging career and technical skill proficiencies, including student achievement on technical assessments that are aligned with industry recognized standard, if available and appropriate.

The state will use the percentage of students earning a GPA of 2.0 or higher in CTE courses as an indicator of technical skill attainment measure by faculty.

Calculation: Number of postsecondary concentrators enrolled in CTE courses above the introductory level that have earned a GPA of 2.0 or above in those courses, divided by the number of concentrators enrolled in CTE courses above the introductory level.

**Core 2 and Core 3 – Completion and Persistence-** (Student Retention or Transfer) student persistence in postsecondary education or transfer to a baccalaureate degree program.

Calculation: The percentage of CTE student concentrators who: 1) persisted in education at the community college level or 2) transferred to a two or four year institution.

**Core 4 – Employment-** student placement in military service or apprenticeship programs; or placement or retention in employment: including placement in high skill, high wage, or high demand occupations or professions.

Calculation: The percentage of CTE program leavers and completers who did not transfer to a two or four year institution and were found during one of the four quarters following the cohort year in an apprenticeship program, UI covered employment, the Federal Government, or the military.

**Core 5a** – Non-traditional Participation- student participation in career and technical education programs that lead to employment in fields non-traditional for their gender.

Calculation: The State will use the percentage of females participating in CTE program coursework leading to employment in occupations non-traditional for females; and the number of male participating in CTE program coursework leading to employment in occupations non-traditional for males. Participation will use the concentrator threshold definition for participation when the program is indicated as non-traditional for either gender.

**Core 5b** – Non-traditional Completion- student completion of career and technical education programs that lead to employment in field non-traditional for their gender.

Calculation: The State will use the percentage of completers in programs leading to employment in non-traditional occupations that are of the underrepresented gender (female students completing programs leading to employment in occupations non-traditional for females; and male students completing programs leading to employment in occupations non-traditional for males). Completion is defined as: 1) receiving a degree, certificate, or equivalent; 2) competing a transfer program and having been

designated as transfer prepared; 3) transferring to a two or four year institution; or 4) enlisting in the military.

## Appendix B

Bakersfield College Zip Code Service Area

| Code | Description |
|------|-------------|
| 93203 | Arvin, CA (in Kern county) |
| 93206 | Buttonwillow, CA (in Kern county) |
| 93215 | Delano, CA (in Kern county) |
| 93216 | Delano, CA (in Kern county) |
| 93220 | Edison, CA (in Kern county) |
| 93222 | Pine Mountain Club, CA (in Kern county) |
| 93225 | Frazier Park, CA (in Kern county) |
| 93226 | Glennville, CA (in Kern county) |
| 93241 | Lamont, CA (in Kern county) |
| 93243 | Lebec, CA (in Kern county) |
| 93249 | Lost Hills, CA (in Kern county) |
| 93250 | Mc Farland, CA (in Kern county) |
| 93263 | Shafter, CA (in Kern county) |
| 93280 | Wasco, CA (in Kern county) |
| 93287 | Woody, CA (in Kern county) |
| 93301 | Bakersfield, CA (in Kern county) |
| 93302 | Bakersfield, CA (in Kern county) |
| 93303 | Bakersfield, CA (in Kern county) |
| 93304 | Bakersfield, CA (in Kern county) |
| 93305 | Bakersfield, CA (in Kern county) |
| 93306 | Bakersfield, CA (in Kern county) |
| 93307 | Bakersfield, CA (in Kern county) |
| 93308 | Bakersfield, CA (in Kern county) |
| 93309 | Bakersfield, CA (in Kern county) |
| 93311 | Bakersfield, CA (in Kern county) |
| 93312 | Bakersfield, CA (in Kern county) |
| 93313 | Bakersfield, CA (in Kern county) |
| 93314 | Bakersfield, CA (in Kern county) |
| 93380 | Bakersfield, CA (in Kern county) |
| 93383 | Bakersfield, CA (in Kern county) |
| 93384 | Bakersfield, CA (in Kern county) |
| 93385 | Bakersfield, CA (in Kern county) |
| 93386 | Bakersfield, CA (in Kern county) |
| 93387 | Bakersfield, CA (in Kern county) |
| 93388 | Bakersfield, CA (in Kern county) |
| 93389 | Bakersfield, CA (in Kern county) |
| 93390 | Bakersfield, CA (in Kern county) |
| 93531 | Keene, CA (in Kern county) |

## Appendix C

| Performance Rate Less Than Goal is Shaded | Performance Rate Less Than 90% of Goal is Shaded, Bolded, and Outlined in Red | | | Total Count is Less Than 10 | |
|---|---|---|---|---|---|

| PERKINS IV Core Indicators of Performance by Vocational TOP Code. Indicators for **2015-2016** Fiscal Year Planning. Summary by College for: **BAKERSFIELD** - KERN | | Core 1 Skill Attainment | Core 2 Completion | Core 3 Persistence | Core 4 Employment | Core 5a NT Participation | Core 5b NT Completion |
|---|---|---|---|---|---|---|---|
| **Performance Goal (2012-2013)** | | **87.85** | **82.00** | **86.75** | **77.40** | **19.14** | **22.54** |
| **90% of Performance Goal (used for 'Gap List')** | | **79.07** | **73.80** | **78.08** | **69.66** | **17.23** | **20.29** |
| **01** | **AGRICULTURE AND NATURAL RESOURCES** | 94.91 | 87.04 | 91.27 | **56.00** | 49.09 | 49.53 |
| 0102 | ANIMAL SCIENCE | 90.00 | 89.66 | 92.22 | **50.00** | 66.67 | 71.43 |
| 010200 | ANIMAL SCIENCE | 88.57 | 94.12 | 88.57 | **40.00** | 88.57 | 94.12 |
| 010210 | VETERINARY TECHNICIAN (LICENSED) | 85.71 | **66.67** | 92.86 | *100.00* | **7.14** | *0.00* |
| 010230 | DAIRY SCIENCE | 95.00 | *100.00* | 100.00 | - | 60.00 | *50.00* |
| 010240 | EQUINE SCIENCE | 90.48 | *80.00* | 90.48 | **50.00** | 76.19 | *40.00* |
| 0103 | PLANT SCIENCE | 96.15 | 83.33 | 80.77 | **66.67** | 34.62 | 46.15 |
| 010300 | PLANT SCIENCE | 96.15 | 83.33 | 80.77 | **66.67** | 34.62 | 46.15 |
| 0109 | HORTICULTURE | 98.08 | 77.78 | 92.31 | **20.00** | 34.62 | 35.29 |
| 010900 | HORTICULTURE | 98.08 | 77.78 | 92.31 | **20.00** | 34.62 | 35.29 |
| 0112 | AGRICULTURE BUSINESS, SALES, AND SERVICE | 91.67 | 100.00 | 91.67 | *88.89* | 50.00 | 50.00 |
| 011200 | AGRICULTURE BUSINESS, SALES AND SERVICE | 91.67 | 100.00 | 91.67 | *88.89* | 50.00 | 50.00 |
| 0114 | FORESTRY | 97.87 | 86.84 | 92.55 | **46.15** | 44.68 | 41.67 |
| 011400 | FORESTRY | 97.87 | 86.84 | 92.55 | **46.15** | 44.68 | 41.67 |
| 0116 | AGRICULTURAL POWER EQUIPMENT TECHNOLOGY | *100.00* | *100.00* | *100.00* | - | *0.00* | *0.00* |
| 011600 | AGRICULTURAL POWER EQUIPMENT TECHNOLOGY | *100.00* | *100.00* | 100.00 | - | *0.00* | *0.00* |
| **02** | **ARCHITECTURE AND RELATED TECHNOLOGIES** | 92.00 | 93.10 | 89.80 | 73.33 | 20.00 | **17.86** |
| 0201 | ARCHITECTURE AND ARCHITECTURAL TECHNOLOGY | 92.00 | 93.10 | 89.80 | 73.33 | 20.00 | **17.86** |
| 020100 | ARCHITECTURE AND ARCHITECTURAL TECHNOLOGY | 92.00 | 93.10 | 89.80 | 73.33 | 20.00 | **17.86** |
| **05** | **BUSINESS AND MANAGEMENT** | **77.43** | 91.33 | 85.17 | **58.50** | 47.95 | 46.60 |
| 0501 | BUSINESS AND COMMERCE, GENERAL | 92.68 | 76.00 | 90.24 | **42.86** | 68.29 | 68.00 |
| 050100 | BUSINESS AND COMMERCE, GENERAL | 92.68 | 76.00 | 90.24 | **42.86** | 68.29 | 68.00 |
| 0502 | ACCOUNTING | 88.51 | 96.36 | 88.10 | **52.78** | 32.18 | 31.34 |
| 050200 | ACCOUNTING | 88.51 | 96.36 | 88.10 | **52.78** | 32.18 | 31.34 |
| 0505 | BUSINESS ADMINISTRATION | **26.76** | 100.00 | 85.29 | **66.00** | 57.75 | 57.75 |
| 050500 | BUSINESS ADMINISTRATION | **26.76** | 100.00 | 85.29 | **66.00** | 57.75 | 57.75 |
| 0506 | BUSINESS MANAGEMENT | 100.00 | **37.50** | 73.91 | **66.67** | 56.52 | *50.00* |
| 050600 | BUSINESS MANAGEMENT | 100.00 | **37.50** | 73.91 | **66.67** | 56.52 | *50.00* |
| 0509 | MARKETING AND DISTRIBUTION | 85.71 | 100.00 | 78.57 | 70.00 | 66.67 | *85.71* |
| 050900 | MARKETING AND DISTRIBUTION | **60.00** | *100.00* | **60.00** | **62.50** | - | - |
| 050940 | SALES AND SALESMANSHIP | 100.00 | *100.00* | 88.89 | *100.00* | 66.67 | *85.71* |
| 0511 | REAL ESTATE | 95.00 | **40.00** | 70.00 | **50.00** | - | - |
| 051100 | REAL ESTATE | 95.00 | **40.00** | 70.00 | **50.00** | - | - |
| 0514 | OFFICE TECHNOLOGY/OFFICE COMPUTER APPLICATIONS | 83.33 | 94.12 | 88.89 | **62.50** | **5.56** | **11.76** |
| 051400 | OFFICE TECHNOLOGY/OFFICE COMPUTER APPLICATIONS | 83.33 | 94.12 | 88.89 | **62.50** | **5.56** | **11.76** |
| 0599 | OTHER BUSINESS AND MANAGEMENT | *100.00* | *100.00* | **66.67** | **50.00** | - | - |
| 059900 | OTHER BUSINESS AND MANAGEMENT | *100.00* | *100.00* | **66.67** | **50.00** | - | - |

| Performance Rate Less Than Goal is Shaded | Performance Rate Less Than 90% of Goal is Shaded, Bolded, and Outlined in Red | | | Total Count is Less Than 10 | | |
|---|---|---|---|---|---|---|
| **PERKINS IV Core Indicators of Performance by Vocational TOP Code** Indicators for **2015-2016** Fiscal Year Planning Summary by College for: **BAKERSFIELD** - KERN | **Core 1** Skill Attainment | **Core 2** Completion | **Core 3** Persistence | **Core 4** Employment | **Core 5a** NT Participation | **Core 5b** NT Completion |
| **Performance Goal (2012-2013)** | **87.85** | **82.00** | **86.75** | **77.40** | **19.14** | **22.54** |
| **90% of Performance Goal (used for 'Gap List')** | **79.07** | **73.80** | **78.08** | **69.66** | **17.23** | **20.29** |
| **06** | **MEDIA AND COMMUNICATIONS** | 100.00 | 84.62 | 86.96 | **66.67** | - | - |
| 0602 | JOURNALISM | 100.00 | 84.62 | 85.71 | **66.67** | - | - |
| 060200 | JOURNALISM | 100.00 | 84.62 | 85.71 | **66.67** | - | - |
| 0614 | DIGITAL MEDIA | *100.00* | - | *100.00* | - | - | - |
| 061430 | WEBSITE DESIGN AND DEVELOPMENT | *100.00* | - | *100.00* | - | - | - |
| **07** | **INFORMATION TECHNOLOGY** | 88.68 | **58.82** | 84.91 | **61.54** | **13.04** | **7.14** |
| 0701 | INFORMATION TECHNOLOGY, GENERAL | **75.00** | - | *100.00* | - | *25.00* | *0.00* |
| 070100 | INFORMATION TECHNOLOGY, GENERAL | **75.00** | - | *100.00* | - | *25.00* | *0.00* |
| 0702 | COMPUTER INFORMATION SYSTEMS | 86.96 | **66.67** | 86.96 | **57.14** | 21.74 | **11.11** |
| 070200 | COMPUTER INFORMATION SYSTEMS | 84.21 | **57.14** | 84.21 | **66.67** | 21.05 | *0.00* |
| 070210 | SOFTWARE APPLICATIONS | *100.00* | *100.00* | *100.00* | *0.00* | *25.00* | *50.00* |
| 0707 | COMPUTER SOFTWARE DEVELOPMENT | **75.00** | *100.00* | *100.00* | *0.00* | *0.00* | *0.00* |
| 070710 | COMPUTER PROGRAMMING | **75.00** | *100.00* | *100.00* | *0.00* | *0.00* | *0.00* |
| 0708 | COMPUTER INFRASTRUCTURE AND SUPPORT | 93.33 | **40.00** | 80.00 | *100.00* | 0.00 | *0.00* |
| 070800 | COMPUTER INFRASTRUCTURE AND SUPPORT | 93.33 | **40.00** | 80.00 | *100.00* | 0.00 | *0.00* |
| 0709 | WORLD WIDE WEB ADMINISTRATION | *100.00* | **50.00** | **71.43** | **50.00** | - | - |
| 070900 | WORLD WIDE WEB ADMINISTRATION | *100.00* | **50.00** | **71.43** | **50.00** | - | - |
| **09** | **ENGINEERING AND INDUSTRIAL TECHNOLOGIES** | 86.23 | 82.61 | 82.25 | 74.80 | **5.20** | **4.48** |
| 0934 | ELECTRONICS AND ELECTRIC TECHNOLOGY | 97.67 | 80.00 | 79.07 | 76.47 | 0.00 | 0.00 |
| 093400 | ELECTRONICS AND ELECTRIC TECHNOLOGY | 100.00 | 100.00 | 78.57 | 72.73 | 0.00 | 0.00 |
| 093420 | INDUSTRIAL ELECTRONICS | *100.00* | - | **75.00** | *100.00* | *0.00* | - |
| 093430 | TELECOMMUNICATIONS TECHNOLOGY | 95.65 | **25.00** | 78.26 | *80.00* | 0.00 | *0.00* |
| 093440 | ELECTRICAL SYSTEMS AND POWER TRANSMISSION | *100.00* | - | *100.00* | - | *0.00* | - |
| 0947 | DIESEL TECHNOLOGY | 100.00 | *0.00* | 88.24 | *100.00* | 0.00 | *0.00* |
| 094730 | HEAVY EQUIPMENT OPERATION | 100.00 | *0.00* | 88.24 | *100.00* | 0.00 | *0.00* |
| 0948 | AUTOMOTIVE TECHNOLOGY | 89.66 | 84.00 | 84.21 | **60.42** | **7.76** | **8.89** |
| 094800 | AUTOMOTIVE TECHNOLOGY | 89.66 | 84.00 | 84.21 | **60.42** | **7.76** | **8.89** |
| 0952 | CONSTRUCTION CRAFTS TECHNOLOGY | 92.86 | **56.52** | **74.68** | 86.00 | **3.27** | **3.13** |
| 095200 | CONSTRUCTION CRAFTS TECHNOLOGY | *100.00* | *100.00* | *100.00* | *0.00* | - | - |
| 095210 | CARPENTRY | 88.10 | 0.00 | **73.81** | 81.82 | **9.52** | *0.00* |
| 095220 | ELECTRICAL | 100.00 | 84.21 | **67.19** | 100.00 | 0.00 | 0.00 |
| 095230 | PLUMBING, PIPEFITTING AND STEAMFITTING | 100.00 | *0.00* | 80.56 | *100.00* | 0.00 | *0.00* |
| 095250 | MILL AND CABINET WORK | **45.45** | *100.00* | 100.00 | **55.56** | **9.09** | **11.11** |
| 0953 | DRAFTING TECHNOLOGY | **59.18** | 100.00 | 97.87 | **69.23** | **8.16** | **2.78** |
| 095300 | DRAFTING TECHNOLOGY | **59.18** | 100.00 | 97.87 | **69.23** | **8.16** | **2.78** |
| 0956 | MANUFACTURING AND INDUSTRIAL TECHNOLOGY | 81.67 | 89.52 | 83.62 | 76.64 | **6.11** | **4.17** |
| 095600 | MANUFACTURING AND INDUSTRIAL TECHNOLOGY | *100.00* | *100.00* | *85.71* | **66.67** | *0.00* | *0.00* |
| 095630 | MACHINING AND MACHINE TOOLS | **52.46** | 100.00 | 88.14 | 70.69 | **6.56** | **6.56** |
| 095640 | SHEET METAL AND STRUCTURAL METAL | 100.00 | *0.00* | 80.00 | *100.00* | 0.00 | *0.00* |
| 095650 | WELDING TECHNOLOGY | 95.40 | 83.33 | 81.40 | 82.93 | **8.05** | 0.00 |

| Performance Rate Less Than Goal is Shaded | Performance Rate Less Than 90% of Goal is Shaded, Bolded, and Outlined in Red | | Total Count is Less Than 10 | | | |
|---|---|---|---|---|---|---|

| PERKINS IV Core Indicators of Performance by Vocational TOP Code<br>Indicators for **2015-2016** Fiscal Year Planning<br>Summary by College for: **BAKERSFIELD** - KERN | **Core 1**<br>Skill Attainment | **Core 2**<br>Completion | **Core 3**<br>Persistence | **Core 4**<br>Employment | **Core 5a**<br>NT Participation | **Core 5b**<br>NT Completion |
|---|---|---|---|---|---|---|
| **Performance Goal (2012-2013)** | **87.85** | **82.00** | **86.75** | **77.40** | **19.14** | **22.54** |
| **90% of Performance Goal (**used for 'Gap List'**)** | **79.07** | **73.80** | **78.08** | **69.66** | **17.23** | **20.29** |
| **10**    **FINE AND APPLIED ARTS** | 83.72 | 86.67 | **76.19** | 70.59 | 44.19 | 42.31 |
| 1012    APPLIED PHOTOGRAPHY | 94.12 | *88.89* | 88.24 | **66.67** | 47.06 | *37.50* |
| 101200    APPLIED PHOTOGRAPHY | 94.12 | *88.89* | 88.24 | **66.67** | 47.06 | *37.50* |
| 1030    GRAPHIC ART AND DESIGN | **76.92** | 85.71 | **68.00** | 71.43 | 42.31 | 44.44 |
| 103000    GRAPHIC ART AND DESIGN | **76.92** | 85.71 | **68.00** | 71.43 | 42.31 | 44.44 |
| **12**    **HEALTH** | **69.87** | 99.30 | 83.09 | 73.80 | **10.47** | **10.65** |
| 1225    RADIOLOGIC TECHNOLOGY | 97.62 | 100.00 | **75.68** | 76.47 | - | - |
| 122500    RADIOLOGIC TECHNOLOGY | 97.62 | 100.00 | **75.68** | 76.47 | - | - |
| 1230    NURSING | **75.92** | 99.01 | 86.30 | 75.60 | **10.47** | **10.65** |
| 123000    NURSING | *100.00* | - | *100.00* | *0.00* | *0.00* | *0.00* |
| 123010    REGISTERED NURSING | 93.50 | 99.47 | 83.81 | 88.46 | **11.79** | **11.68** |
| 123020    LICENSED VOCATIONAL NURSING | 89.13 | 92.31 | 81.40 | 70.00 | **8.70** | **12.50** |
| 123030    CERTIFIED NURSE ASSISTANT | **19.32** | 100.00 | 94.32 | **61.90** | **7.95** | **7.95** |
| 1250    EMERGENCY MEDICAL SERVICES | **32.29** | 100.00 | **75.79** | 67.53 | - | - |
| 125000    EMERGENCY MEDICAL SERVICES | **32.29** | 100.00 | **75.79** | 67.53 | - | - |
| 1260    HEALTH PROFESSIONS, TRANSFER CORE CURRICULUM | 81.82 | 100.00 | **70.00** | 80.00 | - | - |
| 126000    HEALTH PROFESSIONS, TRANSFER CORE CURRICULUM | 81.82 | 100.00 | **70.00** | 80.00 | - | - |
| **13**    **FAMILY AND CONSUMER SCIENCES** | 87.37 | 94.62 | 90.86 | **58.20** | **14.80** | **11.62** |
| 1305    CHILD DEVELOPMENT/EARLY CARE AND EDUCATION | 83.86 | 96.06 | 90.41 | **54.40** | **3.60** | **2.76** |
| 130500    CHILD DEVELOPMENT/EARLY CARE AND EDUCATION | 83.60 | 96.02 | 90.28 | **54.69** | **3.64** | **2.79** |
| 130520    CHILDREN WITH SPECIAL NEEDS | *100.00* | - | *100.00* | - | - | - |
| 130580    CHILD DEVELOPMENT ADMINISTRATION AND MANAGEMENT | *100.00* | *100.00* | *100.00* | *0.00* | *0.00* | *0.00* |
| 1306    NUTRITION, FOODS, AND CULINARY ARTS | 92.46 | 91.45 | 91.80 | 74.00 | 31.15 | 31.03 |
| 130600    NUTRITION, FOODS, AND CULINARY ARTS | 93.93 | 89.66 | 94.33 | **61.90** | 27.13 | 20.69 |
| 130620    DIETETIC SERVICES AND MANAGEMENT | *0.00* | *100.00* | **50.00** | *100.00* | *25.00* | *25.00* |
| 130630    CULINARY ARTS | 92.59 | 96.15 | 83.33 | 80.77 | 50.00 | 68.00 |
| 1307    HOSPITALITY | *100.00* | *100.00* | *0.00* | *0.00* | - | - |
| 130710    RESTAURANT AND FOOD SERVICES AND MANAGEMENT | *100.00* | *100.00* | *0.00* | *0.00* | - | - |
| **21**    **PUBLIC AND PROTECTIVE SERVICES** | 92.55 | 77.09 | 88.93 | 75.84 | 18.71 | 26.67 |
| 2104    HUMAN SERVICES | **36.00** | 100.00 | 92.00 | **50.00** | - | - |
| 210400    HUMAN SERVICES | **36.00** | 100.00 | 92.00 | **50.00** | - | - |
| 2105    ADMINISTRATION OF JUSTICE | 89.90 | 82.50 | 87.62 | 75.81 | 45.93 | 42.74 |
| 210500    ADMINISTRATION OF JUSTICE | 90.87 | 83.53 | 87.02 | 74.00 | 45.67 | 42.17 |
| 210510    CORRECTIONS | 87.88 | 80.00 | 88.89 | 83.33 | 46.46 | 44.12 |
| 2133    FIRE TECHNOLOGY | 97.00 | **63.10** | 89.58 | 80.82 | **2.00** | **2.56** |
| 213300    FIRE TECHNOLOGY | 97.53 | **62.12** | 90.79 | 78.69 | **0.90** | **1.59** |
| 213310    WILDLAND FIRE TECHNOLOGY | 84.62 | 81.82 | 88.46 | *100.00* | 19.23 | **11.11** |
| 213350    FIRE ACADEMY | 100.00 | **42.86** | **71.43** | *87.50* | **3.57** | *0.00* |
| **49**    **INTERDISCIPLINARY STUDIES** | *100.00* | *100.00* | *100.00* | - | - | - |
| 4930    GENERAL STUDIES | *100.00* | *100.00* | *100.00* | - | - | - |
| 493012    JOB SEEKING/CHANGING SKILLS | *100.00* | *100.00* | *100.00* | - | - | - |