# **Woodland Community College**

# **Educational Master Plan 2022-2025**

# **External Environmental Scan Data Profiles**

The data contained in this portfolio of external environmental conditions in trends, which informed the goals for Woodland Community College’s Educational Master Plan 2022-2025, are drawn primarily from US Census, particularly the 2019 American Community Survey Five-year Estimates, the California Department of Finance, and the California Employment Development Department. Because Woodland Community College’s geographic boundaries span three different counties, included in the external environmental scan is information for Colusa, Lake, and Yolo counties. Additionally, where available, data for the College’s primary service area cities is also incorporated. Data for California is included where comparative information provides additional context. Because California Employment Development Department’s reporting regions for labor market information cover broad ranges, labor market data for the College’s service areas includes that for the North Coast, North Valley, and Sacramento Valley.

This portfolio of external environmental data is organized in the following sections:

1. Population and Household Data – Tables 1 through 12
2. K12 Historic and Projection Data – Tables 13 through 16
3. Economic and Labor Market Data – Tables 17 through 23a, 23b, and 23c
4. Additional Labor Market Information Source - *North/ Far North Center of Excellence For Labor Market Research, Labor Market Profile - A Workforce Needs Assessment For Woodland Community College (2020)*

**1. Population and Household Data**

**Table 1. One-year Population Growth Rates for Colusa, Lake, and Yolo Counties**

|  |  |  |  |
| --- | --- | --- | --- |
| County | Total Population | | Percent |
|  | **1/2020** | **1/2021** | **Change** |
| Colusa | 22,030 | 22,248 | 1.0 |
| Lake | 64,005 | 63,940 | -0.1 |
| Yolo | 221,276 | 217,500 | -1.7 |

Source: California Department of Finance

Table 2. One-year Service Area City Population Growth Rates

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| City | County | 1/2020  Total Population | 1/2021  Total Population | Percent Change |
| Winters | Yolo | 7,257 | 7,618 | 4.97% |
| Colusa | Colusa | 6,188 | 6,268 | 1.29% |
| Williams | Colusa | 5,434 | 5,487 | 0.98% |
| Davis | Yolo | 68,915 | 69,295 | 0.55% |
| Woodland | Yolo | 60,809 | 60,978 | 0.28% |
| Clearlake | Lake | 14,008 | 13,993 | -0.11% |
| Lakeport | Lake | 4,781 | 4,774 | -0.15% |
| West Sacramento | Yolo | 54,208 | 53,967 | -0.44% |

Source: California Department of Finance

Table 3. Ten-Year Growth Rates for Colusa, Lake, and Yolo Counties

|  |  |  |  |
| --- | --- | --- | --- |
| County | 2010 | 2020 | Percent Change |
| Colusa | 21,419.00 | 22,030.00 | 3% |
| Lake | 64,665.00 | 64,005.00 | -1% |
| Yolo | 200,849.00 | 221,276.00 | 10% |

Sources: US Census Bureau ACS Five Year Estimate; US 2020 Decennial Census

Table 4. Ten-Year Growth Rates for Woodland Community College Primary Service Area Cities – Descending Order

|  |  |  |  |
| --- | --- | --- | --- |
| City | 2010 | 2020 | Percent Change |
| Arbuckle | 3,028.00 | 3,484.00 | 15% |
| West Sacramento | 48,744.00 | 53,915.00 | 11% |
| Woodland | 55,468.00 | 61,032.00 | 10% |
| Clearlake | 15,250.00 | 16,685.00 | 9% |
| Williams | 5,123.00 | 5,538.00 | 8% |
| Winters | 6,624.00 | 7,115.00 | 7% |
| Colusa | 5,971.00 | 6,411.00 | 7% |
| Lakeport | 4,753.00 | 5,026.00 | 6% |
| Davis | 65,622.00 | 66,850.00 | 2% |
| Lower Lake CDP | 1,294.00 | 1,276.00 | -1% |
| Maxwell CDP | 1,103.00 | 1,067.00 | -3% |
| Middletown CDP | 1,323.00 | 1,114.00 | -16% |

Sources: US Census Bureau ACS Five Year Estimate; US 2020 Decennial Census

Table 5. Average Number of Persons Per Household, Colusa, Lake, and Yolo Counties, 2015-2019 – Descending Order

|  |  |
| --- | --- |
| County | Average |
| Colusa | 2.9 |
| Yolo | 2.81 |
| Lake | 2.46 |

Source: U.S. Census Bureau, American Community Survey (ACS) 5-Year Estimates

Table 6. Foreign Born Residents, California, Colusa, Lake, and Yolo Counties, 2015-2019 – Descending Order

|  |  |
| --- | --- |
| County | Percent |
| California | 27% |
| Colusa | 27% |
| Yolo | 23% |
| Lake | 9% |

Source: U.S. Census Bureau, American Community Survey (ACS) 5-Year Estimates

Table 7. Foreign Born Residents, Woodland Community College Primary Service Area Cities 2020 - Descending Order

|  |  |
| --- | --- |
| City | Percent |
| Williams | 39% |
| Arbuckle | 36% |
| Maxwell CDP | 31% |
| West Sacramento | 26% |
| Davis | 24% |
| Woodland | 23% |
| Winters | 22% |
| Colusa | 21% |
| Middletown CDP | 20% |
| Lakeport | 11% |
| Lower Lake CDP | 11% |
| Clearlake | 9% |

Source: US 2020 Decennial Census

Table 8. Language Other Than English Spoken at Home (age 5+) 2015-2019, California, Colusa, Lake, and Yolo Counties – Descending Order

|  |  |
| --- | --- |
| County | Percent |
| Colusa | 52% |
| California | 44% |
| Yolo | 38% |
| Lake | 16% |

Source: U.S. Census Bureau, American Community Survey (ACS) 5-Year Estimates

Table 9. Household Computer and Broadband Access 2020

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| County | Computer | Percent Without Computer | Broadband | Percent Without Broadband |
| Colusa | 87% | 13% | 81% | 19% |
| Lake | 87% | 13% | 77% | 23% |
| Yolo | 94% | 6% | 88% | 12% |

Source: US Census Bureau 2019 ACS 5-Year Estimates

Table 10. Average Commute Time to Work, 16 years and older, County and Service Area Cities, 2015-2019 – Descending Order

|  |  |
| --- | --- |
| County | Average Minutes |
| Colusa | 26 |
| Lake | 30 |
| Yolo | 24 |
| City | **Average Minutes** |
| Lower Lake CDP | 48 |
| Winters | 35 |
| Clearlake | 33 |
| Middletown CDP | 31 |
| Arbuckle | 28 |
| West Sacramento | 25 |
| Williams | 25 |
| Colusa | 25 |
| Davis | 23 |
| Woodland | 23 |
| Maxwell CDP | 17 |
| Lakeport | 16 |

Source: 2019 American Community Survey 5-Year Estimates

Table 11. Disability Status for Persons Under Age 65, 2015-2019, Colusa, Lake, and Yolo Counties, and California - Descending Order

|  |  |
| --- | --- |
| County | Percent |
| Lake | 13% |
| CA | 10% |
| Colusa | 9% |
| Yolo | 6% |

Source: 2019 American Community Survey 5-Year Estimates

Note: Overall, the ACS attempts to capture six aspects of disability (i.e., hearing, vision, cognitive, ambulatory, self-care, and independent living).

Table 12. Educational Attainment by Race/Ethnicity, Colusa, Lake, and Yolo Counties

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Colusa County | White | African American/Black | American Indian | Asian | Native Hawaiian | Hispanic |
| Bachelors degree or higher | 15% | 9% | 23% | 25% | 0% | 7% |
| Some college/associates degree | 30% | 29% | 39% | 55% | 0% | 19% |
| HS graduate, GED, or alternative | 27% | 38% | 17% | 15% | 47% | 25% |
| Less than HS Diploma | 28% | 25% | 21% | 5% | 53% | 49% |
| Lake County | **White** | **African American/Black** | **American Indian** | **Asian** | **Native Hawaiian** | **Hispanic** |
| Bachelors degree or higher | 16% | 14% | 6% | 44% | 57% | 7% |
| Some college/associates degree | 42% | 37% | 29% | 7% | 28% | 24% |
| HS graduate, GED, or alternative | 31% | 27% | 30% | 25% | 0% | 33% |
| Less than HS Diploma | 11% | 22% | 36% | 24% | 15% | 36% |
| Yolo County | **White** | **African American/Black** | **American Indian** | **Asian** | **Native Hawaiian** | **Hispanic** |
| Bachelors degree or higher | 41% | 28% | 18% | 62% | 25% | 17% |
| Some college/associates degree | 28% | 43% | 19% | 19% | 40% | 24% |
| HS graduate, GED, or alternative | 19% | 22% | 35% | 10% | 32% | 26% |
| Less than HS Diploma | 13% | 7% | 28% | 9% | 3% | 33% |

Source: 2020 American Community Survey

2. K12 Historic and Projection Data

***Table 13. County Grade 12 Enrollment –Historic 10-Year Enrollment, Academic Year 2011-2012 to Academic Year 2020-2021***

|  |  |  |  |
| --- | --- | --- | --- |
| County | Grade 12 Enrollment *(2011-12)* | Current Enrollment *(2020-21)* | Percent Change |
| Colusa | 346 | 353 | 2.0% |
| Lake | 697 | 725 | 4.0% |
| Yolo | 2,346 | 2,364 | 0.8% |

Source: California Department of Education ([CA CDE DataQuest](https://dq.cde.ca.gov/dataquest/))

***Table 14. County Graduates – Historic 10-Year, Academic Year 2010-2011 to Academic Year 2019-2020***

|  |  |  |  |
| --- | --- | --- | --- |
| County | Graduates *(2010-11)* | Graduates *(2019-20)* | Percent Change |
| Colusa | 298 | 314 | 5.4% |
| Lake | 581 | 573 | -1.4% |
| Yolo | 1,962 | 2,017 | 2.8% |

Source: California Department of Education ([CA CDE DataQuest](https://dq.cde.ca.gov/dataquest/))

***Table 15. County K12 Enrollment Projections – 10-Year, Academic Year 2020-2021 to Academic Year 2030-2031***

|  |  |  |  |
| --- | --- | --- | --- |
| County | Enrollment *(2020-21)* | Projected *(2030-31)* | Percent Change |
| Colusa | 4,655 | 4,137 | -11.1% |
| Lake | 9,540 | 9,661 | 1.3% |
| Yolo | 29,839 | 28,412 | -4.8% |

Source: State of California, Department of Finance, California Public K-12 Graded Enrollment and High School Graduate Projections by County, 2021 Series. Sacramento, California, June 2021

***Table 16. Kindergarten Enrollment Projections – 10-Year, Academic Year 2020-2021 to Academic Year 2030-2031***

|  |  |  |  |
| --- | --- | --- | --- |
| County | Enrollment *(2020-21)* | Projected *(2030-31)* | Percent Change |
| Colusa | 363 | 339 | **-6.6%** |
| Lake | 728 | 841 | **15.5%** |
| Yolo | 2,411 | 2,483 | **3.0%** |

Source: State of California, Department of Finance, California Public K-12 Graded Enrollment and High School Graduate Projections by County, 2021 Series. Sacramento, California, June 2021

# **3. Economic and Labor Market Data**

Table 17. Median Household Income, California, Colusa, Lake, and Yolo Counties – Descending Order

|  |  |
| --- | --- |
| County | Annual Median Income |
| CA | $80,440 |
| Yolo | $71,417 |
| Colusa | $59,401 |
| Lake | $47,138 |

Source: US Census Bureau 2019 ACS 5-Year Estimates

Table 18. Poverty Rates, California, and ***Primary Service Area Cities 2019 - Descending Order***

|  |  |
| --- | --- |
| City | Percent |
| Lower Lake CDP | 37% |
| Clearlake | 33% |
| Davis | 29% |
| West Sacramento | 15% |
| Williams | 13% |
| California | 12% |
| Colusa | 12% |
| Woodland | 11% |
| Lakeport | 11% |
| Maxwell CDP | 10% |
| Middletown CDP | 10% |
| Arbuckle | 9% |
| Winters | 8% |

Source: US Census Bureau 2019 ACS 5-Year Estimates

Table 19. Largest Demographic Groups in Poverty by Age, Gender, and Race/Ethnicity, Lake, Colusa, and Yolo Counties, 2019 – Descending Order by County

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| County | Percent | Largest Demographic by Age (Percentage) | Largest Demographic by Gender and Age | Largest Demographic by Race/Ethnicity (Percentage) |
| Lake | 19% | Under 18 (24%) | Females 55-64 | White (53%)/Hispanic (20%) |
| Yolo | 18% | 18 to 64 (22%) | Females 18-24 | White (42%)/Hispanic (25%) |
| Colusa | 13% | Under 18 (19%) | Females 25-34 | White (57%)/Hispanic (35%) |

Source: US Census Bureau 2019 ACS 5-Year Estimates

**Table 20. County K12 Free or Reduced Lunch, Academic Year 2019-2020**

|  |  |
| --- | --- |
| County | Percent |
| Lake County | 75.1% |
| Colusa County | 68.6% |
| Yolo County | 47.7% |

Source: California Department of Education ([Free or Reduced-Price Meal-Student Poverty Data](https://www.cde.ca.gov/ds/ad/filessp.asp))

***Table 21. Unemployment Volume (N.) and Rate (Percent) for Counties and Service Area Cities, as Available In June 2021; Not Seasonally Adjusted – Descending Order***

|  |  |  |
| --- | --- | --- |
| County | N. | Percent |
| Colusa | 1,060 | 9.3% |
| Lake | 2,080 | 7.0% |
| Yolo | 6,500 | 6.1% |
| City | **N.** | **Percent** |
| Clearlake | 940 | 15.1% |
| Arbuckle | 280 | 12.7% |
| Middletown CDP | 70 | 8.6% |
| West Sacramento | 1,600 | 6.4% |
| Williams | 180 | 6.4% |
| Colusa | 210 | 6.3% |
| Woodland | 1,800 | 6.1% |
| Winters | 200 | 5.7% |
| Lakeport | 110 | 4.4% |
| Davis | 1,500 | 4.2% |
| Lower Lake CDP | 10 | 2.2% |
| Maxwell CDP | -- | -- |

Source: State of California Employment Development, Local Area Unemployment Statistics (LAUS), Department. <https://data.edd.ca.gov/Labor-Force-and-Unemployment-Rates/Local-Area-Unemployment-Statistics-LAUS-/e6gw-gvii>

***Table 22. Average Annual Job Openings Projections by Entry Level Education and County (2021-2031)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| County | All Occupations | None Required | High School or Equivalent | Postsecondary Non-Degree | Some College, No Degree | Associate  Degree | Bachelor's  Degree |
| Colusa | 1,228 | 608 | 425 | 47 | 20 | 10 | 108 |
| Lake | 2,033 | 667 | 883 | 95 | 40 | 26 | 275 |
| Yolo | 13,510 | 4,281 | 4,895 | 681 | 255 | 210 | 2,301 |

Sources: [1]“Education and Training Assignments by Detailed Occupation.” U.S. Bureau of Labor Statistics. <https://www.bls.gov/emp/tables/education-and-training-by-occupation.htm>; [2]“Labor Market Research Software | Chmura.” <https://www.chmura.com/software> (Hanover Research).

***Tables 23a, 23b, and 23c. 2018-2028 Occupational Employment Projections for Occupations: 1) requiring an Entry Level Education of Associate’s degree, Post Secondary/no degree, or Some College; 2) median hourly wages above $20/hour.***

Table 23a. North Coast Region: Del Norte, Humboldt, Lake, and Mendocino Counties

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SOC Code | Occupational Title | Base Year Estimate 2018 | Projected Year Estimate 2028 | Numeric Change 2018-2028 | Percentage Change 2018-2028 | Median Hourly Wages | Entry Level Education |
| 17-3011 | Architectural and Civil Drafters | 60 | 60 | 0 | 0.0% | $22.28 | Associate's degree |
| 17-3022 | Civil Engineering Technicians | 100 | 100 | 0 | 0.0% | $27.92 | Associate's degree |
| 17-3023 | Electrical and Electronics Engineering Technicians | 50 | 50 | 0 | 0.0% | $33.97 | Associate's degree |
| 19-4099 | Life, Physical, and Social Science Technicians, All Other | 40 | 40 | 0 | 0.0% | $20.86 | Associate's degree |
| 29-2031 | Cardiovascular Technologists and Technicians | 30 | 30 | 0 | 0.0% | $41.11 | Associate's degree |
| 31-9091 | Dental Assistants | 350 | 340 | -10 | -2.9% | $20.84 | Postsecondary non-degree award |
| 33-1021 | First-Line Supervisors of Fire Fighting and Prevention Workers | 60 | 60 | 0 | 0.0% | $39.30 | Postsecondary non-degree award |
| 33-2011 | Firefighters | 420 | 430 | 10 | 2.4% | $27.76 | Postsecondary non-degree award |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 1,840 | 1,770 | -70 | -3.8% | $20.77 | Some college, no degree |
| 43-4161 | Human Resources Assistants, Except Payroll and Timekeeping | 70 | 70 | 0 | 0.0% | $21.42 | Associate's degree |
| 49-2022 | Telecommunications Equipment Installers and Repairers, Except Line Installers | 150 | 150 | 0 | 0.0% | $24.93 | Postsecondary non-degree award |
| 49-3023 | Automotive Service Technicians and Mechanics | 720 | 710 | -10 | -1.4% | $20.69 | Postsecondary non-degree award |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 1,290 | 1,290 | 0 | 0.0% | $24.97 | Postsecondary non-degree award |

Source: <https://www.labormarketinfo.edd.ca.gov/data/employment-projections.html>

Table 23b. North Valley-Northern Mountains Region: Colusa, Glenn, Lassen, Modoc, Nevada, Plumas, Sierra, Siskiyou, Tehama, and Trinity Counties

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SOC Code | Occupational Title | Base Year Estimate  2018 | Projected Year Estimate  2028 | Numeric Change 2018-2028 | Percent-age Change 2018-2028 | Median Hourly Wages | Entry Level Education |
| 29-1126 | Respiratory Therapists | 90 | 120 | 30 | 33.3% | $43.22 | Associate's degree |
| 29-2034 | Radiologic Technologists | 120 | 130 | 10 | 8.3% | $46.37 | Associate's degree |
| 29-2056 | Veterinary Technologists and Technicians | 60 | 70 | 10 | 16.7% | $20.59 | Associate's degree |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 390 | 430 | 40 | 10.3% | $27.04 | Postsecondary non-degree award |
| 31-2021 | Physical Therapist Assistants | 50 | 70 | 20 | 40.0% | $36.53 | Associate's degree |
| 31-9097 | Phlebotomists | 60 | 70 | 10 | 16.7% | $27.14 | Postsecondary non-degree award |
| 49-2022 | Telecommunications Equipment Installers and Repairers, Except Line Installers | 100 | 110 | 10 | 10.0% | $21.07 | Postsecondary non-degree award |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 290 | 320 | 30 | 10.3% | $25.71 | Postsecondary non-degree award |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 1,690 | 1,880 | 190 | 11.2% | $22.18 | Postsecondary non-degree award |

Source: <https://www.labormarketinfo.edd.ca.gov/data/employment-projections.html>

Table 23c. Sacramento--Roseville--Arden-Arcade Metropolitan Statistical Area: El Dorado, Placer, Sacramento, and Yolo Counties

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SOC Code | Occupational Title | Base Year Estimate 2018 | Projected Estimate 2028 | Numeric Change 2018-2028 | Percentage Change 2018-2028 | Median Hourly Wages | Entry Level Education |
| 17-3012 | Electrical and Electronics Drafters | 150 | 160 | 10 | 6.7% | $30.54 | Associate's degree |
| 17-3023 | Electrical and Electronics Engineering Technicians | 1,380 | 1,510 | 130 | 9.4% | $34.24 | Associate's degree |
| 17-3025 | Environmental Engineering Technicians | 210 | 240 | 30 | 14.3% | $26.42 | Associate's degree |
| 17-3026 | Industrial Engineering Technicians | 140 | 160 | 20 | 14.3% | $30.89 | Associate's degree |
| 19-4031 | Chemical Technicians | 220 | 240 | 20 | 9.1% | $24.46 | Associate's degree |
| 19-4099 | Life, Physical, and Social Science Technicians, All Other | 350 | 380 | 30 | 8.6% | $29.58 | Associate's degree |
| 23-2011 | Paralegals and Legal Assistants | 1,730 | 1,950 | 220 | 12.7% | $28.76 | Associate's degree |
| 27-4011 | Audio and Video Equipment Technicians | 320 | 370 | 50 | 15.6% | $23.24 | Postsecondary non-degree award |
| 29-1126 | Respiratory Therapists | 960 | 1,240 | 280 | 29.2% | $49.54 | Associate's degree |
| 29-2031 | Cardiovascular Technologists and Technicians | 300 | 350 | 50 | 16.7% | $38.09 | Associate's degree |
| 29-2032 | Diagnostic Medical Sonographers | 510 | 660 | 150 | 29.4% | $59.77 | Associate's degree |
| 29-2034 | Radiologic Technologists | 1,060 | 1,260 | 200 | 18.9% | $48.57 | Associate's degree |
| 29-2035 | Magnetic Resonance Imaging Technologists | 260 | 310 | 50 | 19.2% | $49.12 | Associate's degree |
| 29-2055 | Surgical Technologists | 730 | 860 | 130 | 17.8% | $33.98 | Postsecondary non-degree award |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 3,770 | 4,340 | 570 | 15.1% | $28.89 | Postsecondary non-degree award |
| 31-2011 | Occupational Therapy Assistants | 180 | 250 | 70 | 38.9% | $44.52 | Associate's degree |
| 31-2021 | Physical Therapist Assistants | 490 | 630 | 140 | 28.6% | $37.51 | Associate's degree |
| 31-9091 | Dental Assistants | 3,420 | 3,830 | 410 | 12.0% | $21.82 | Postsecondary non-degree award |
| 31-9097 | Phlebotomists | 750 | 940 | 190 | 25.3% | $24.33 | Postsecondary non-degree award |
| 49-2022 | Telecommunications Equipment Installers and Repairers, Except Line Installers | 2,460 | 2,620 | 160 | 6.5% | $33.73 | Postsecondary non-degree award |
| 49-2094 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 360 | 390 | 30 | 8.3% | $31.87 | Postsecondary non-degree award |
| 49-3011 | Aircraft Mechanics and Service Technicians | 310 | 330 | 20 | 6.5% | $35.56 | Postsecondary non-degree award |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 3,170 | 3,630 | 460 | 14.5% | $27.68 | Postsecondary non-degree award |
| 49-9062 | Medical Equipment Repairers | 390 | 410 | 20 | 5.1% | $32.30 | Associate's degree |
| 53-3032 | Heavy and Tractor-Trailer Truck Drivers | 8,240 | 9,590 | 1,350 | 16.4% | $24.03 | Postsecondary non-degree award |

Source: <https://www.labormarketinfo.edd.ca.gov/data/employment-projections.html>

# **4. Additional Labor Market Information Source**

*North/ Far North Center of Excellence For Labor Market Research, Labor Market Profile - A Workforce Needs Assessment For Woodland Community College (2020 California Community Colleges Chancellor's Office)*

[Note: WCC has the PDF version of this source. Suggest linking it here.]