

THE FUTURE OF WORK: WORKFORCE TRENDS AND THEIR IMPACT ON STUDENTS

**FOR THE TRIO PROGRAM AND GENERAL PUBLIC
AT CLATSOP COMMUNITY COLLEGE
OCTOBER 8, 2025**

Shaun Barrick-Regional Economist

- **2023-2033 OCCUPATIONAL PROJECTIONS**
- **OCCUPATIONS BY EDUCATION**
- **IMPACTS OF AI**
- **TOOLS AND RESOURCES**

WHAT ARE PROJECTIONS? WHERE DOES THE DATA COME FROM?

- Labor Force
- Industry Employment
- Occupational Employment
- Population Trends
- Demographic Trends
- Occupational Staffing Patterns
- Industry Demand/Output

Economic Models for
Over 300 Industries
and 800 Occupations

Long-Term (10-Year)
Industry and
Occupational
Employment
Projections



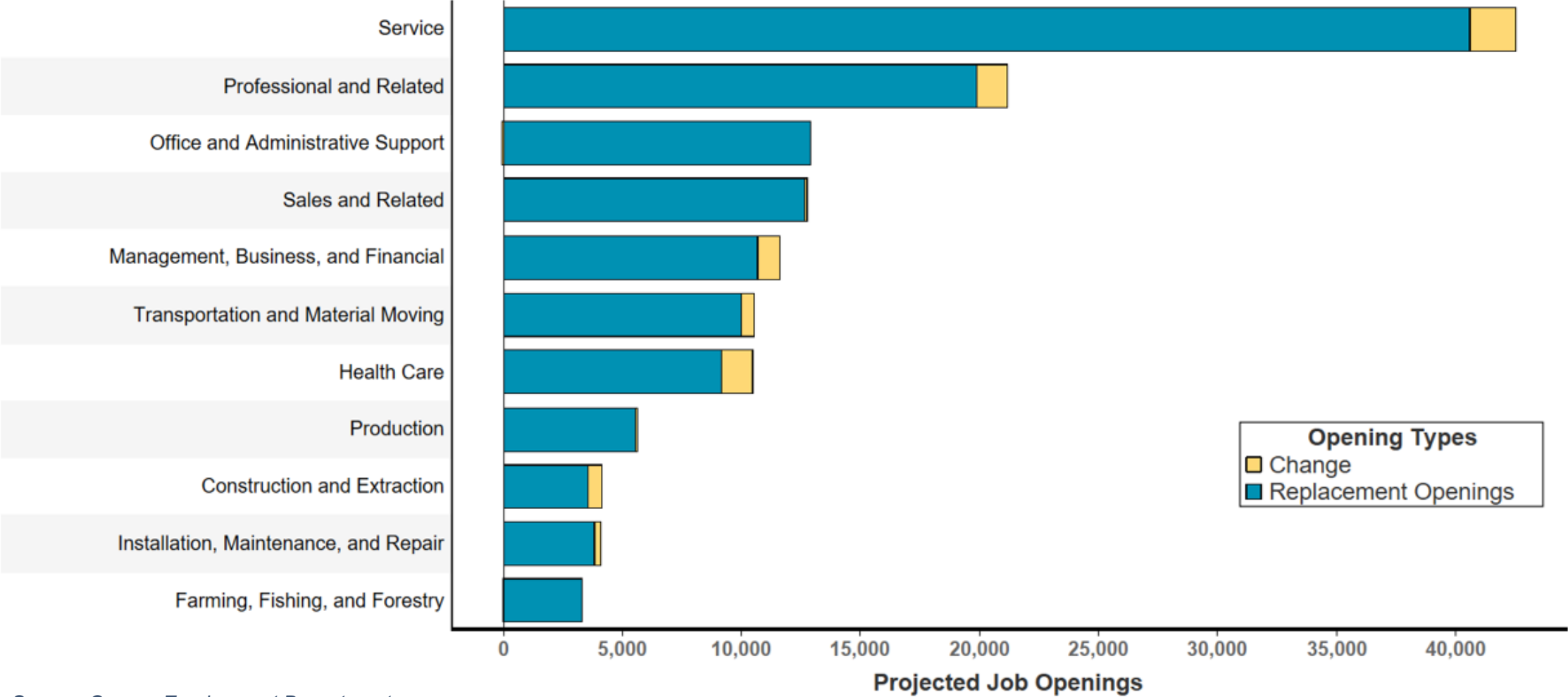
NORTHWEST OREGON EXPECTED TO HAVE NEARLY 140,000 TOTAL JOB OPENINGS BY 2033

	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings
Total Job Openings	112,221	119,207	6,986	6%	132,011	138,997
Job Openings in High-Demand Occupations	107,106	113,797	6,691	6%	127,759	134,450
Job Openings in High-Wage Occupations	59,240	63,233	3,993	7%	50,937	54,930
Job Openings in High-Demand and High-Wage Occupations	55,209	58,918	3,709	7%	47,914	51,623
Job Openings in High-Skill Occupations	58,607	62,530	3,923	7%	51,161	55,084
Job Openings in STEM Occupations	22,622	24,654	2,032	9%	17,179	19,211

Source: Oregon Employment Department

EMPLOYMENT OPPORTUNITIES PRESENT ACROSS ALL OCCUPATION GROUPS IN NW

Job Openings in None by Broad Occupation



Source: Oregon Employment Department

ENTRY-LEVEL AND SERVICE JOBS HAVE MOST TOTAL OPENINGS

20 Occupations in Northwest with the Most Job Openings (All Occupations)

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings
Fast Food and Counter Workers	3,912	4,196	284	7%	9,408	9,692
Educational Instruction and Library Workers, All Other	6,412	6,644	232	4%	5,653	5,885
Cashiers	2,717	2,613	-104	-4%	5,065	4,961
Waiters and Waitresses	1,951	1,993	42	2%	4,040	4,082
Retail Salespersons	2,577	2,701	124	5%	3,822	3,946
Maids and Housekeeping Cleaners	2,184	2,385	201	9%	3,230	3,431
Stockers and Order Fillers	1,800	1,995	195	11%	3,018	3,213
Home Health and Personal Care Aides	1,873	2,122	249	13%	2,909	3,158
Cooks, Restaurant	1,718	2,008	290	17%	2,793	3,083
General and Operations Managers	2,375	2,598	223	9%	1,995	2,218
Personal Care and Service Workers, All Other	1,100	1,237	137	13%	1,982	2,119
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,310	1,396	86	7%	1,877	1,963
Bartenders	927	1,004	77	8%	1,613	1,690
Bookkeeping, Accounting, and Auditing Clerks	1,461	1,442	-19	-1%	1,641	1,622
First-Line Supervisors of Food Preparation and Serving Workers	1,000	1,107	107	11%	1,511	1,618
Office Clerks, General	1,393	1,354	-39	-3%	1,599	1,560
Teaching Assistants, Except Postsecondary	1,171	1,162	-9	-1%	1,370	1,361
Landscaping and Groundskeeping Workers	871	978	107	12%	1,183	1,290
Food Preparation Workers	718	721	3	0%	1,285	1,288
Maintenance and Repair Workers, General	1,221	1,344	123	10%	1,153	1,276

Source: Oregon Employment Department

TOP HIGH-WAGE, HIGH-DEMAND OCCUPATIONS

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wage
General and Operations Managers	2,375	2,598	223	9%	1,995	2,218	\$38.11
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,250	1,135	-115	-9%	1,296	1,181	\$23.71
Registered Nurses	1,820	1,980	160	9%	977	1,137	\$54.55
Heavy and Tractor-Trailer Truck Drivers	1,026	1,084	58	6%	1,073	1,131	\$28.16
Medical Assistants	660	790	130	20%	929	1,059	\$23.65
Carpenters	950	1,066	116	12%	777	893	\$28.81
Construction Laborers	792	941	149	19%	722	871	\$23.17
Bus Drivers, School	510	541	31	6%	784	815	\$23.56
Medical Secretaries and Administrative Assistants	670	751	81	12%	705	786	\$22.99
Managers, All Other	852	888	36	4%	649	685	\$48.90
Real Estate Sales Agents	757	765	8	1%	623	631	\$24.96
First-Line Supervisors of Office and Administrative Support Workers	644	637	-7	-1%	605	598	\$30.20

Source: Oregon Employment Department

TOP STEM OCCUPATIONS

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wage
Registered Nurses	1,820	1,980	160	9%	977	1,137	\$54.55
Carpenters	950	1,066	116	12%	777	893	\$28.81
Managers, All Other	852	888	36	4%	649	685	\$48.90
Accountants and Auditors	571	617	46	8%	449	495	\$35.78
Project Management Specialists	577	641	64	11%	423	487	\$39.03
Software Developers	496	664	168	34%	298	466	\$59.14
Automotive Service Technicians and Mechanics	472	492	20	4%	393	413	\$23.18
First-Line Supervisors of Production and Operating Workers	420	429	9	2%	394	403	\$30.58
Industrial Machinery Mechanics	463	487	24	5%	367	391	\$39.09
First-Line Supervisors of Mechanics, Installers, and Repairers	373	385	12	3%	298	310	\$39.51
Firefighters	293	316	23	8%	222	245	\$30.43
Computer User Support Specialists	323	331	8	3%	206	214	\$29.63

TOP OCCUPATIONS THAT PAY A LIVING WAGE FOR 2 ADULTS (1 WORKING) WITH 1 CHILD

Target Hourly Wage: \$37.95

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wages
General and Operations Managers	2,375	2,598	223	9%	1,995	2,218	\$39.42
Registered Nurses	1,820	1,980	160	9%	977	1,137	\$56.55
Managers, All Other	852	888	36	4%	649	685	\$65.32
Project Management Specialists	577	641	64	11%	423	487	\$40.31
Software Developers	496	664	168	34%	298	466	\$60.92
Police and Sheriff's Patrol Officers	466	503	37	8%	360	397	\$40.23
Industrial Machinery Mechanics	463	487	24	5%	367	391	\$40.94
Electricians	282	328	46	16%	266	312	\$45.98
First-Line Supervisors of Mechanics, Installers, and	373	385	12	3%	298	310	\$42.52
Middle School Teachers, Except Special and Career/Technical	480	472	-8	-2%	313	305	\$38.26
Medical and Health Services Managers	269	352	83	31%	219	302	\$63.93
First-Line Supervisors of Construction Trades and	308	352	44	14%	252	296	\$38.98

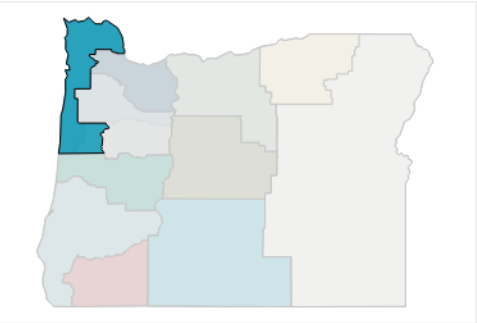
Source: MIT Living Wage Calculator for Clatsop County, Oregon Employment Department

FOR STUDENTS: EDUCATIONAL PATHWAYS

Regional Occupational Projections Summary, 2023-2033

Select from the list of workforce areas to see a summary of projection data for the selected area.

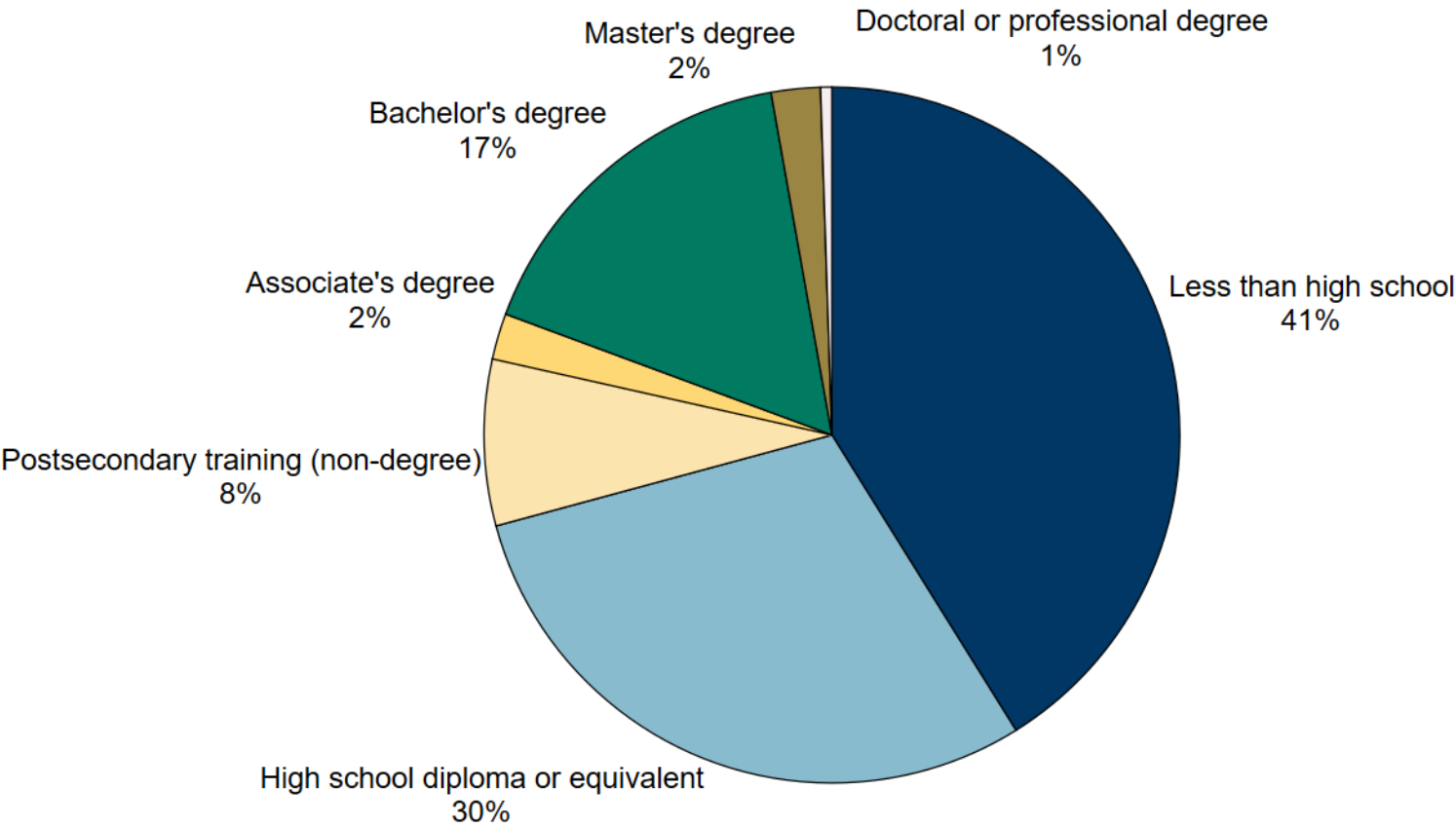
- Summary
- Industry Projections
- Broad Occupation
- Top 20 Occupations
- Typical Entry-Level Education
- Competitive Education
- Occ Crosswalks



Workforce Area

- Oregon
- Portland Tri-County
- Mid Valley
- Northwest
- Linn Benton
- Lane
- Rogue Valley
- Southwestern
- East Cascades
- Columbia Gorge
- Central Oregon
- South Central
- Eastern Oregon
- Columbia Basin
- Eastern Six

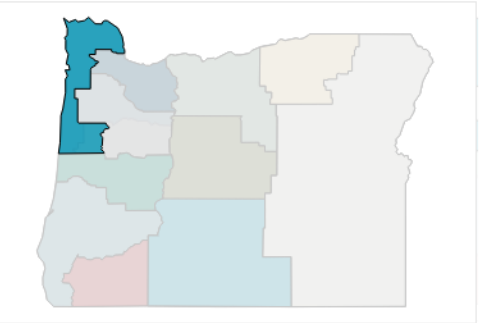
2023 - 2033 Job Openings in Northwest, by Typical Entry-Level Education



Regional Occupational Projections Summary, 2023-2033

Select from the list of workforce areas to see a summary of projection data for the selected area.

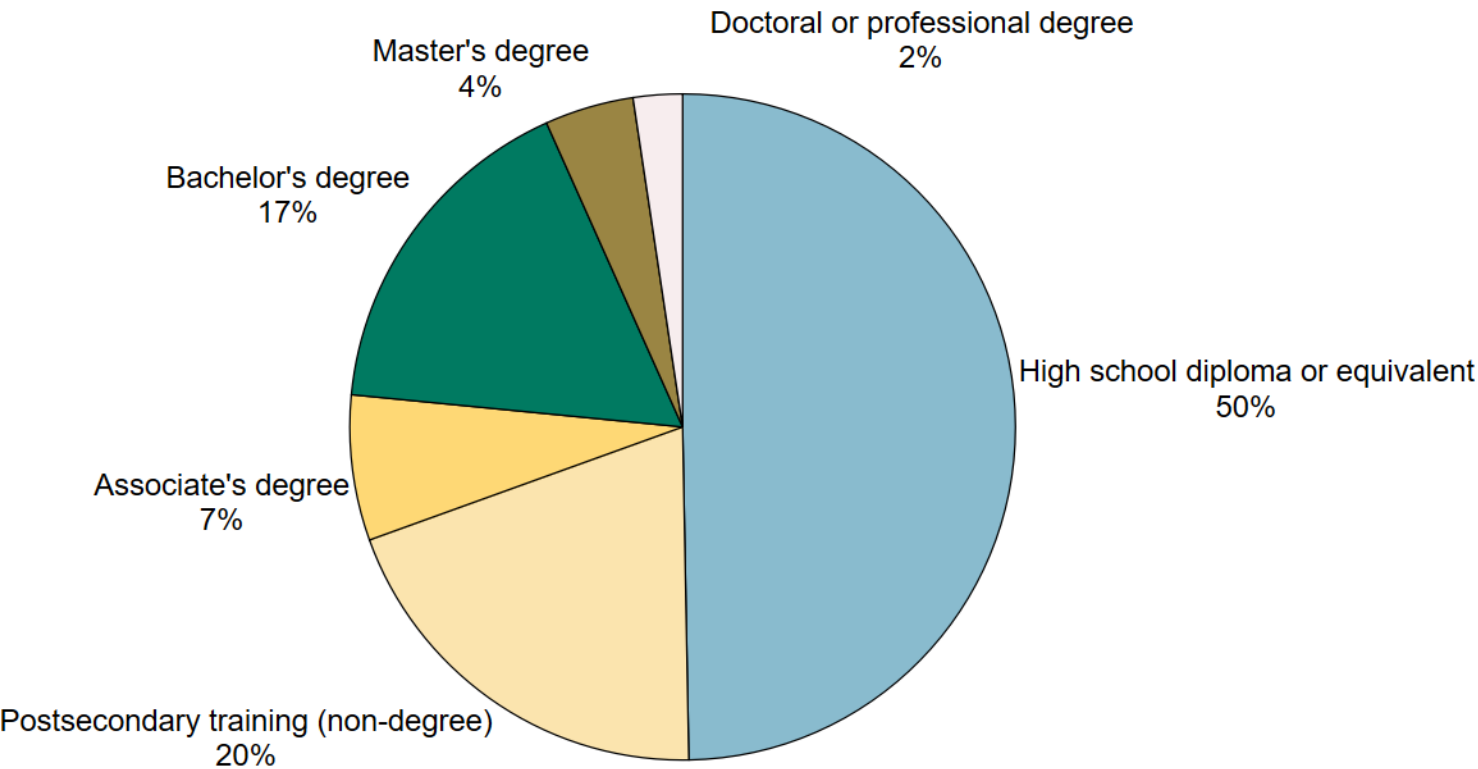
- Summary
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Workforce Area

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- Eastern Oregon
- Columbia Basin
- Eastern Six

2023 - 2033 Job Openings in Northwest, by Competitive Education Level



VARIETY OF WAGE OPPORTUNITIES AVAILABLE FOR HIGH-SCHOOL GRADS

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wages
Teaching Assistants, Except Postsecondary	1,171	1,162	-9	-1%	1,370	1,361	\$17.38
Police and Sheriff's Patrol Officers	466	503	37	8%	360	397	\$40.23
Industrial Machinery Mechanics	463	487	24	5%	367	391	\$40.94
Electricians	282	328	46	16%	266	312	\$45.98
First-Line Supervisors of Mechanics, Installers, and Repairers	373	385	12	3%	298	310	\$42.52
First-Line Supervisors of Construction Trades and Extraction Workers	308	352	44	14%	252	296	\$38.98
Coaches and Scouts	206	225	19	9%	263	282	\$36.27
Interpreters and Translators	170	181	11	7%	163	174	\$30.81
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping	133	146	13	10%	143	156	\$30.85
Postal Service Mail Carriers	223	217	-6	-3%	162	156	\$26.65
Property, Real Estate, and Community Association Managers	154	169	15	10%	124	139	\$34.62
Musicians and Singers	114	118	4	4%	135	139	\$51.04

Source: Oregon Employment Department

TOP OCCUPATIONS REQUIRING POST-SECONDARY TRAINING OR CERTIFICATE

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wages
Bookkeeping, Accounting, and Auditing Clerks	1,461	1,442	-19	-1%	1,641	1,622	\$22.49
Heavy and Tractor-Trailer Truck Drivers	1,026	1,084	58	6%	1,073	1,131	\$28.16
Medical Assistants	660	790	130	20%	929	1,059	\$23.65
Nursing Assistants	575	632	57	10%	842	899	\$20.88
Real Estate Sales Agents	757	765	8	1%	623	631	\$24.96
Automotive Service Technicians and Mechanics	472	492	20	4%	393	413	\$23.18
Hairdressers, Hairstylists, and Cosmetologists	237	288	51	22%	337	388	\$17.79
Dental Assistants	239	271	32	13%	336	368	\$24.53
Pharmacy Technicians	260	284	24	9%	249	273	\$23.62
Real Estate Brokers	329	331	2	1%	270	272	\$28.32
Chefs and Head Cooks	199	220	21	11%	248	269	\$26.14
Firefighters	293	316	23	8%	222	245	\$30.43

Source: Oregon Employment Department

TOP OCCUPATIONS REQUIRING ASSOCIATES DEGREE							
Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wages
Preschool Teachers, Except Special Education	314	352	38	12%	365	403	\$18.12
Construction Managers	223	254	31	14%	180	211	\$57.72
Veterinary Technologists and Technicians	143	179	36	25%	152	188	\$19.15
Graphic Designers	158	168	10	6%	123	133	\$27.10
Dental Hygienists	151	172	21	14%	104	125	\$50.38
Paralegals and Legal Assistants	120	120	0	0%	120	120	\$27.90
Radiologic Technologists and Technicians	146	157	11	8%	78	89	\$46.31
Transportation, Storage, and Distribution Managers	87	93	6	7%	72	78	\$40.38
Food Science Technicians	46	49	3	7%	68	71	\$26.03
Property Appraisers and Assessors	79	85	6	8%	63	69	\$34.82
Industrial Engineering Technologists and Technicians	67	75	8	12%	60	68	\$25.17
Electrical and Electronic Engineering Technologists and Technicians	56	59	3	5%	52	55	\$39.43
Source: Oregon Employment Department							
						15	<div> <div></div> <div>State of Oregon Employment Department</div> </div>

TOP OCCUPATIONS REQUIRING BACHELORS DEGREE

Occupation Title	Employment 2023	Projected Employment 2033	Change	Percent Change	Replacement Openings	Total Openings	Median Wages
General and Operations Managers	2,375	2,598	223	9%	1,995	2,218	\$38.11
Registered Nurses	1,820	1,980	160	9%	977	1,137	\$54.55
Managers, All Other	852	888	36	4%	649	685	\$48.90
Elementary School Teachers, Except Special Education	864	850	-14	-2%	563	549	\$36.04
Accountants and Auditors	571	617	46	8%	449	495	\$35.78
Project Management Specialists	577	641	64	11%	423	487	\$39.03
Software Developers	496	664	168	34%	298	466	\$59.14
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	308	379	71	23%	282	353	\$30.93
Human Resources Specialists	369	392	23	6%	309	332	\$30.66
Secondary School Teachers, Except Special and Career/Technical Education	542	536	-6	-1%	327	321	\$38.02
Market Research Analysts and Marketing Specialists	289	337	48	17%	269	317	\$30.73
Middle School Teachers, Except Special and Career/Technical Education	480	472	-8	-2%	313	305	\$40.28

Source: Oregon Employment Department

SKILLS DATA HAS BEEN ADDED TO OCCUPATIONAL PROJECTIONS AT NAT'L LEVEL

- Projections created by the Bureau of Labor Statistics using Occupational Information Network data.
- 17 skills total, where skills are defined as a general human capacity that is developed, general, applied, and work related.

<u>Adaptability</u>	<u>Computers and information technology</u>	<u>Creativity and innovation</u>	<u>Critical and analytical thinking</u>	<u>Customer service</u>
<u>Detail oriented</u>	<u>Fine motor</u>	<u>Interpersonal</u>	<u>Leadership</u>	<u>Mathematics</u>
<u>Mechanical</u>	<u>Physical strength and stamina</u>	<u>Problem solving and decision making</u>	<u>Project management</u>	<u>Science</u>
<u>Speaking and listening</u>	<u>Writing and reading</u>			

TOP SKILLS BY TYPICAL EDUCATION NEEDED FOR ENTRY, 2024

Typical education needed for entry	Median annual wage, dollars, 2024 ^[1]	Top highest skill	Second highest skill	Third highest skill
Total, all occupations	49,500	Adaptability	Detail oriented	Interpersonal
Doctoral or professional degree	126,510	Adaptability	Writing and reading	Problem solving and decision making
Master's degree	81,910	Adaptability	Interpersonal	Writing and reading
Bachelor's degree	92,260	Adaptability	Writing and reading	Problem solving and decision making
Associate's degree	63,280	Adaptability	Detail oriented	Interpersonal
Postsecondary nondegree award	48,980	Adaptability	Detail oriented	Interpersonal
Some college, no degree	45,230	Adaptability	Interpersonal	Writing and reading
High school diploma or equivalent	47,150	Adaptability	Detail oriented	Interpersonal
No formal educational credential	35,660	Adaptability	Detail oriented	Interpersonal

Footnotes:

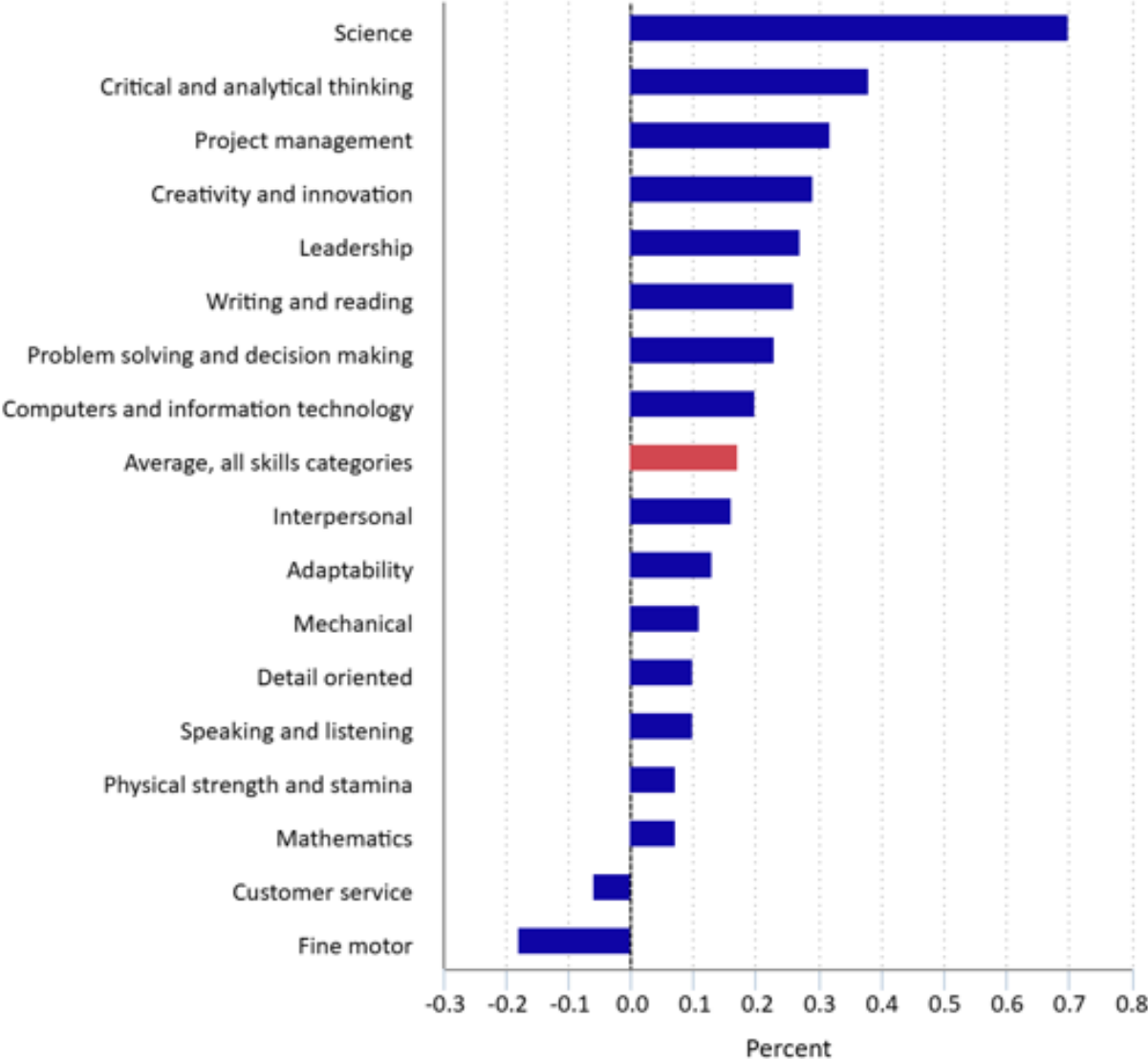
^[1] Data are from the Occupational Employment and Wage Statistics program, U.S. Bureau of Labor Statistics. Wage data cover non-farm wage and salary workers and do not cover the self-employed, owners and partners in unincorporated firms, or household workers.

Note: Skills data for education categories are calculated using an employment-weighted average of the skills data for the detailed occupations within each education category.

Source: Employment Projections program, U.S. Bureau of Labor Statistics

SCIENCE, CRITICAL THINKING, MANAGEMENT AMONGST SKILLS GROWING MOST

Chart 1. Percent change in skills scores due to projected changes in occupational employment, weighted by employment, 2023–33 projected



Source: Bureau of Labor Statistics

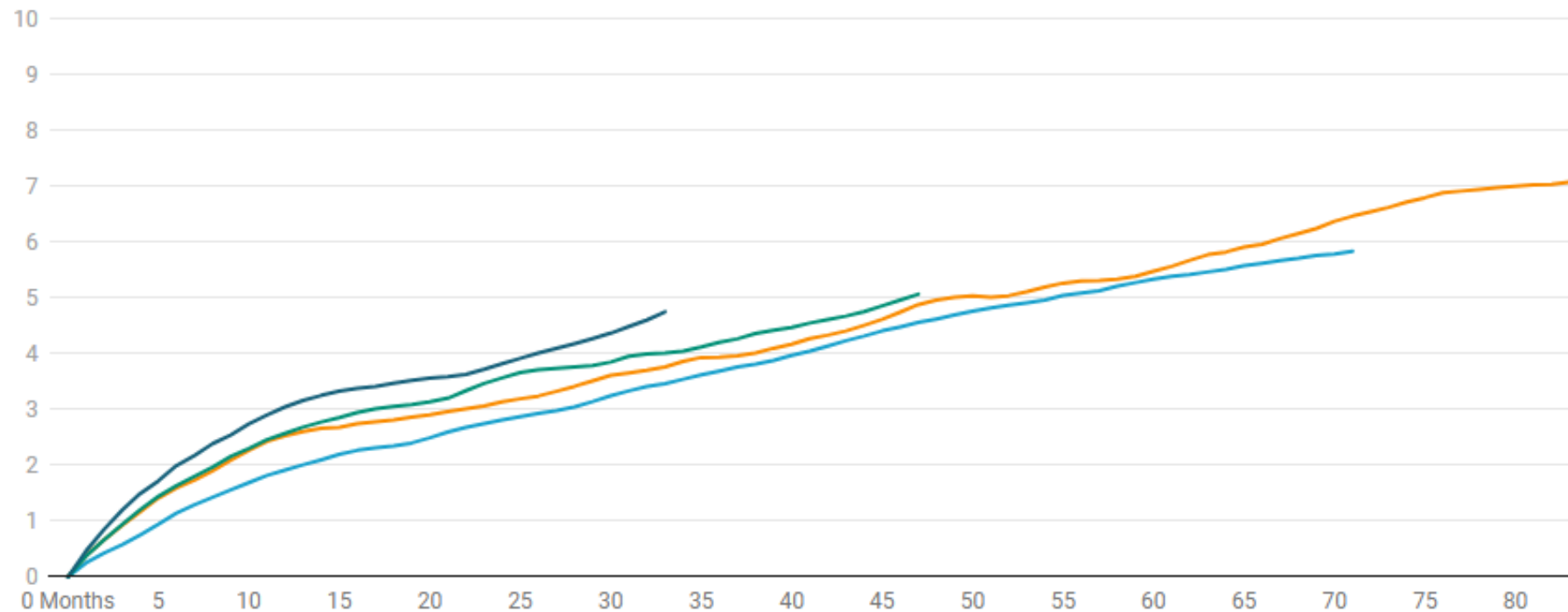
PROJECTED OCCUPATIONAL IMPACTS OF AI

CURRENT OCCUPATIONAL MIX CHANGING FASTER THAN IN PAST, BUT NOT MARKEDLY SO

Figure 1. Changes in the Occupational Mix Over Different Periods of Technological Change

Dissimilarity index (percentage points)
Months from baseline on x-axis

— AI (baseline Nov 2022) — Computers (baseline Jan 1984) — Control (baseline Jan 2016) — Internet (baseline Jan 1996)



Dissimilarity index is calculated using a prospective 12-month moving average of employment data

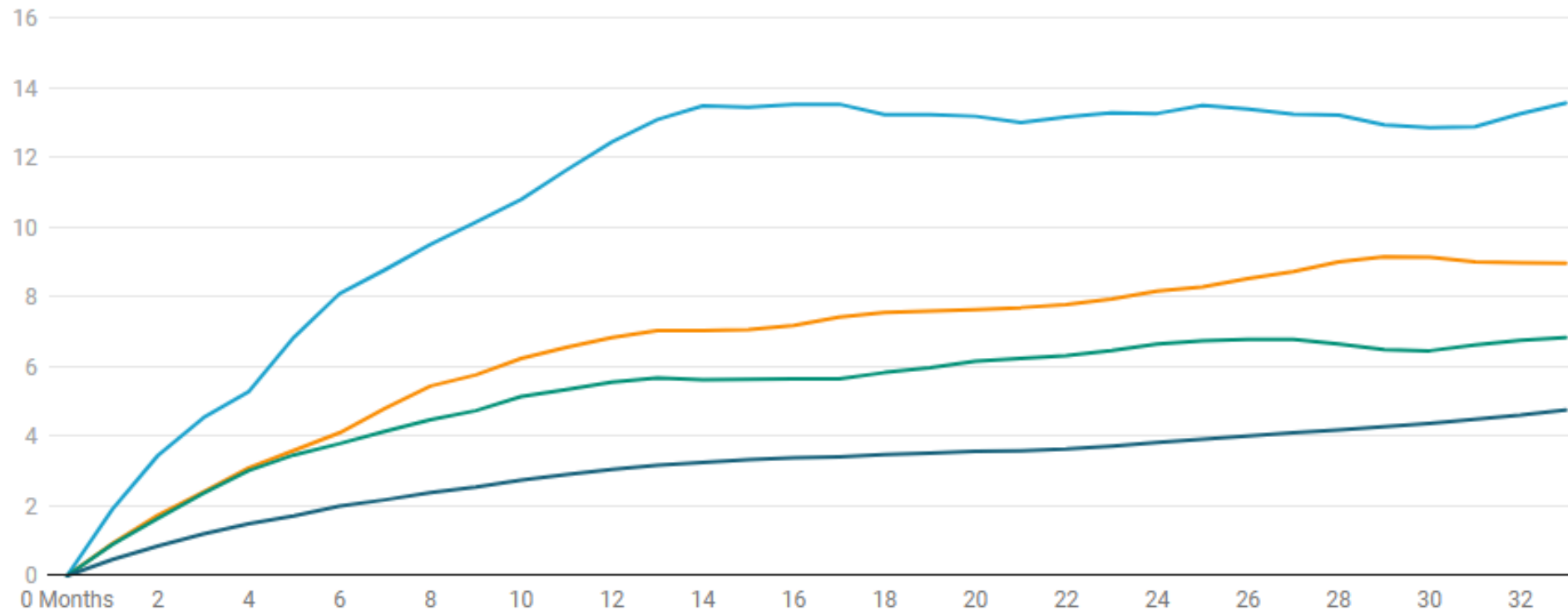
Chart: The Budget Lab • Source: CPS, The Budget Lab analysis • Created with [Datawrapper](#)

SOME INDUSTRIES MORE VULNERABLE TO CHANGE THAN OTHERS, BUT IT'S NOT ALL AI

Figure 3. Changes in the Occupational Mix by Industry

Dissimilarity index (percentage points)
Months from November 2022 on x-axis

— All Sectors — Information — Financial Activities — Professional and Business Services

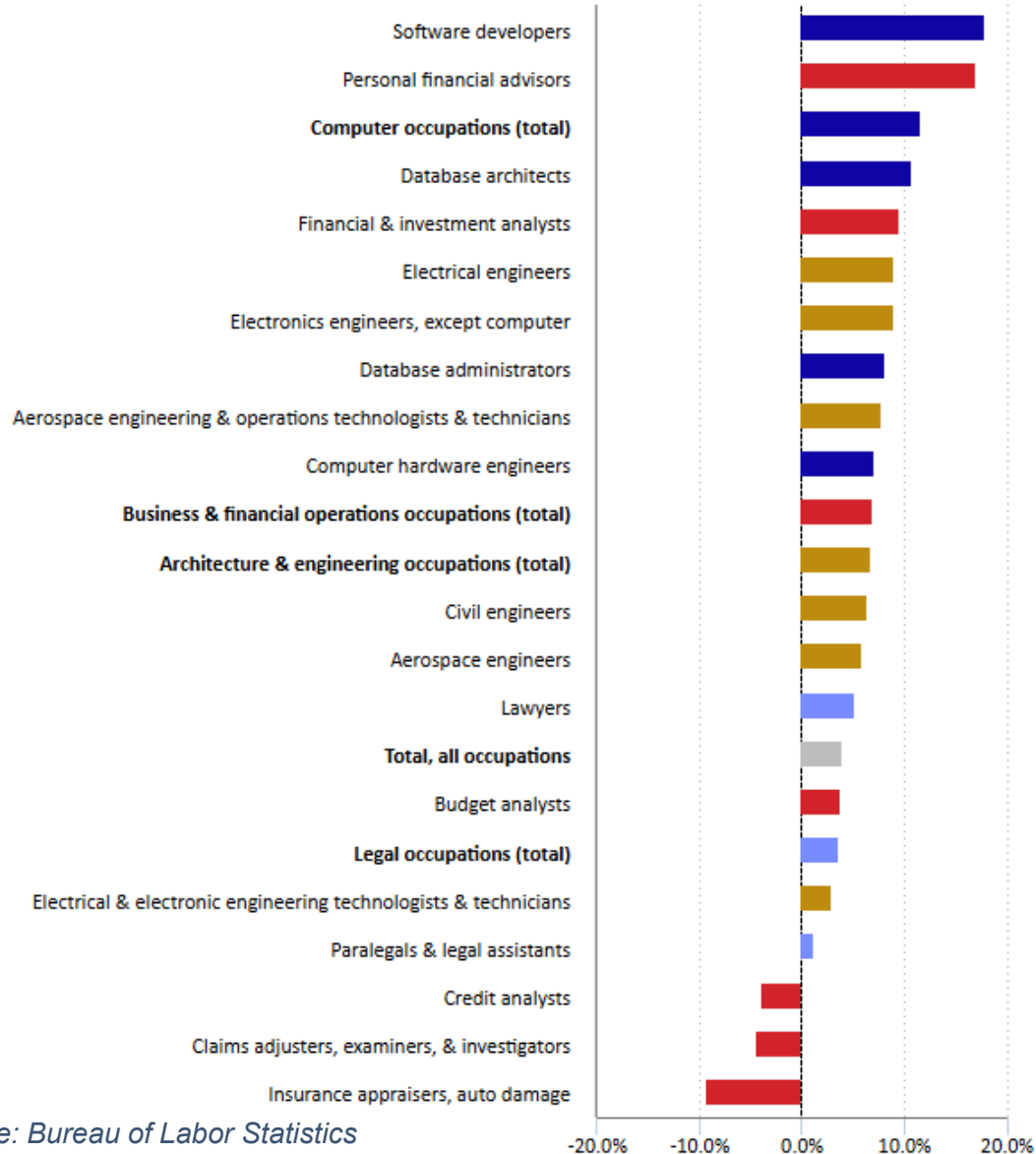


Dissimilarity index is calculated using a 12-month moving average of employment data

Chart: The Budget Lab • Source: CPS, The Budget Lab analysis • Created with [Datawrapper](#)

OCCUPATIONS CURRENTLY AT RISK OF AI

Employment projections for selected occupations susceptible to potential artificial intelligence impacts, 2023–33



Source: Bureau of Labor Statistics

- Productivity gains expected to outweigh job displacement in many industries
- Computer, Business, Engineering, and Legal occupations expected to gain the most from generative AI
- Occupations whose core tasks can already be replicated by GenAI are at risk, such as
 - Credit analysts
 - Insurance appraisers
 - Medical transcriptionists
 - Customer service representatives

RESOURCES FOR STUDENTS, PARENTS, AND PROFESSIONALS

OUR LATEST RESEARCH



Bus Drivers Make the Economy Go Round and Round

Jake Procino Sep 29
Transit and intercity bus drivers are critical to the economy of Oregon. Nearly 50,000 Oregonians commuted to work daily on public transit in 2023, a...

- Sep 18
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- Sep 16
Slow Growth in Oregon's Agriculture Sector
- Sep 16
Oregon's Commercial Fishing in 2024
- Sep 15
Labor Underutilization On The Rise in Oregon
- Sep 11
Human Resources Specialists: Creating a Quality Workforce Spanning All Industries
- Aug 26
Oregon Jobs in 2024: A Wage Data Perspective

More Articles

OREGON ECONOMIC INDICATORS

Unemployment Rate - August 2025	5.0%	↑ 0.1%
Seasonally Adjusted		
Total Unemployed - August 2025	111,930	↑ 2,396
Seasonally Adjusted		
Nonfarm Employment - August 2025	1,978,400	↑ 6,900
Seasonally Adjusted		
Job Vacancies - 2nd Quarter 2025	51,048	↓ -0.5%

Fastest and Slowest Industry Changes in Oregon

August 2024 to August 2025, Seasonally Adjusted



Employment Change in Oregon's Metro Areas

August 2024 to August 2025, Seasonally Adjusted



JOB & CAREER SEARCH

Enter job title

Enter career title


Career and job search information

CAREERS

QualityInfo.org OREGON 2025

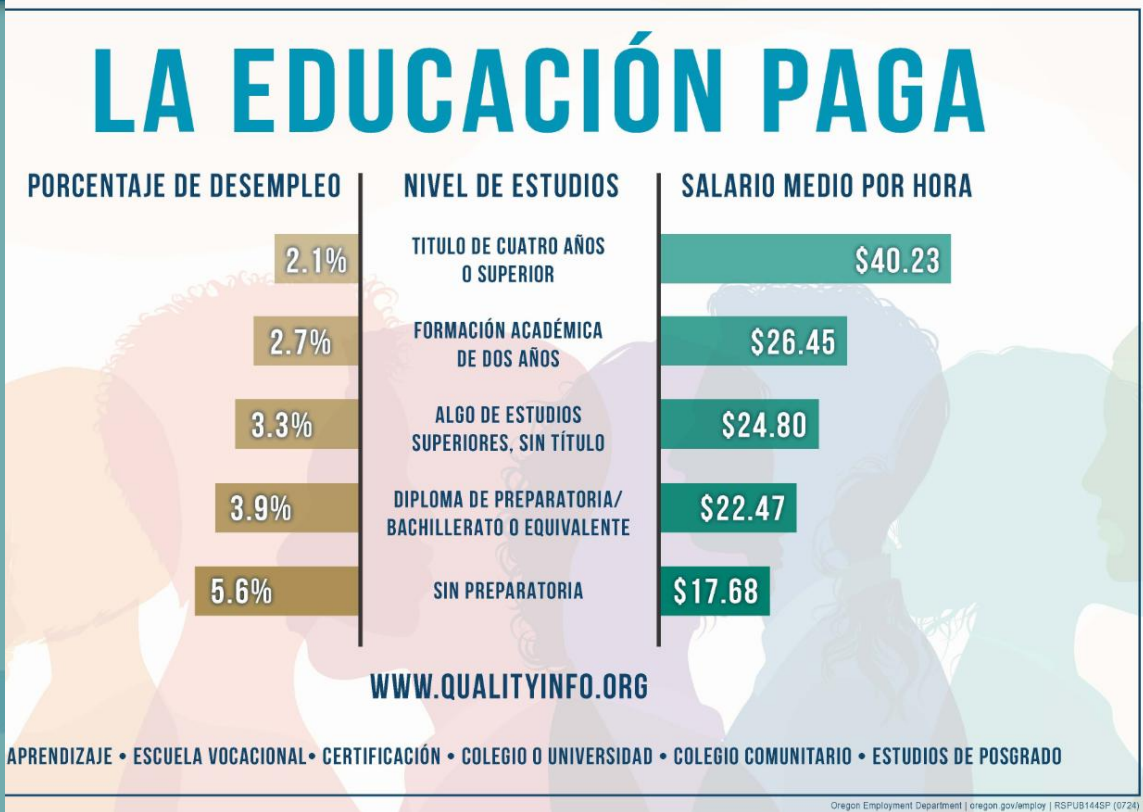
TIME TO STAND OUT

Disponible en Español



State of Oregon
Employment Department

OCCUPATIONS IN DEMAND 2025



 **PSEO**

Data Type

Earnings

Flows

State

Oregon

Institution

Clatsop Community College

Degree Level

Associates

Graduation Cohort

All Cohorts

Compare Earnings by

Time

Percent

Earnings-percentile Filter

25

50

75

Legend

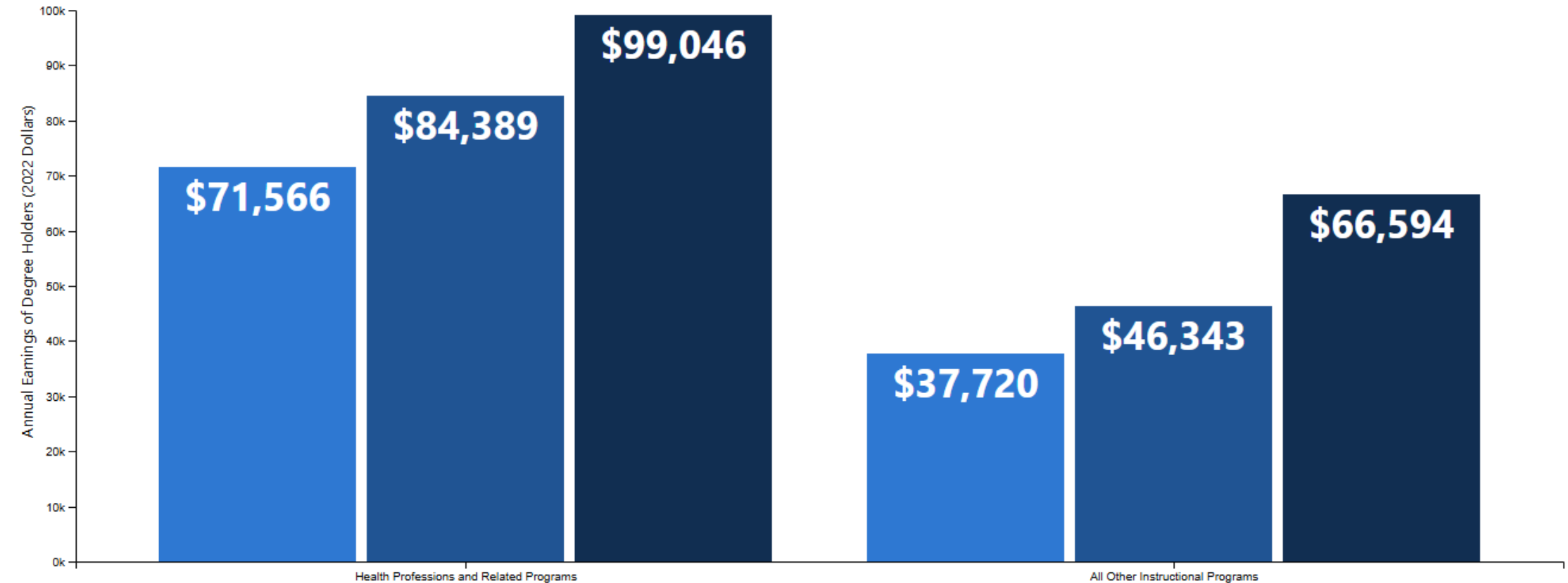
1 Years Postgrad

5 Years Postgrad

10 Years Postgrad

Post-Secondary Employment Outcomes Explorer

What is PSEO? Download Data Email Us Tutorial Help





Data Type

Earnings

Flows

State

Oregon

Institution

Clatsop Community College

Degree Level

Associates

Graduation Cohort

All Cohorts

Destination Flows

Industry

Geo

Years-postgrad Filter

1

5

10

Display

Count

% Share

Program

Industry

Geography

Count of Graduates

All Instructional Program... 520

Health Care and Social... 195

Retail Trade 56

Accommodation and Food... 49

Manufacturing 37

Educational Services 29

Arts, Entertainment,... 26

Public Administratio... 22

Construction 22

Administrative and Support... 20

Finance and Insuranc... 17

Other Services (except... 12

Professional, Scientific,... 11

Transportation and Warehousin... 6

Real Estate and Rental... 5

Wholesale Trade 4

Management of Companies... 4

Agriculture, Forestry,... 3

Information 1

Mining, Quarrying, and... 1

Oregon 358

Pacific Balance 96

South Atlantic 19

Mountain 17

Middle Atlantic 10

East North Central 10

West South Central 5

East South Central 3

West North Central 2

Articles on AI

- <https://budgetlab.yale.edu/research/evaluating-impact-ai-labor-market-current-state-affairs>
- <https://www.bls.gov/opub/mlr/2025/article/incorporating-ai-impacts-in-bls-employment-projections.htm>

Links to Resources:

- [QualityInfo.org](https://qualityinfo.org)
- <https://lehd.ces.census.gov/applications/pseo>

HAVE YOU BEEN ASKED TO PARTICIPATE IN A BUREAU OF LABOR STATISTICS (BLS) SURVEY? *PLEASE DO!*

BLS survey information is gathered to create data for businesses, jobseekers, workers and policy-makers about the economy including:

Employment*	Unemployment*	Occupational Wages*
Job vacancies*	Productivity	Occupational Employment*
Consumer spending patterns	Workplace injuries	Compensation
Long-term employment projections*	Employer-provided benefits	Price movements

** Collected and produced by Oregon Employment Department*

Your response is vital to ensuring accurate, complete, and unbiased data that is representative of the people and businesses in Oregon and the United States.

Your confidential responses are protected by federal and state law and strict security policies that prohibit us from releasing any information that could reveal the identity of you or your business without your consent.

Thank you for helping us track the Oregon economy!

Thank You!

Please scan the QR code for a short survey.



SHAUN BARRICK, REGIONAL ECONOMIST FOR NORTHWEST OREGON
SHAUN.BARRICK@EMPLOY.OREGON.GOV

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