### SOUTHERN ALLEGHENIES WORKFORCE DEVELOPMENT BOARD (SAWDB)

### SAWDB EXECUTIVE COMMITTEE MEETING

September 10, 2024 10:00 AM

Southern Alleghenies Planning and Development Commission, also available via Zoom Meeting Platform Altoona, PA

### **AGENDA**

**TOPIC** 

<u>NAME</u>

Welcome and Introductions

Cory Sisto, SAWDB Chair

Approval of Minutes from 7-9-2024\*

**Cory Sisto** 

Presentation: Vision Together 2025

Robert Forcey, Executive Director

**Director's Report** 

Red/Green Report

• PY24 Local Performance Goals\*

Jennifer Sklodowski, SAWDB Director

**HPO Listings** 

Jim Walker, SAWDB Systems

**Operations Specialist** 

**One-Stop Operator Report** 

**Bradley Burger, Lead OSO** 

Representative

Commonwealth Update

Keith Baker, Assistant Regional

Director, BWPO

Other Business

All

Adjournment

\*Requires Formal Action

### SOUTHERN ALLEGHENIES WORKFORCE DEVELOPMENT BOARD EXECUTIVE COMMITTEE MEETING

Tuesday, July 9, 2024
Southern Alleghenies Planning and Development Commission, also available via Zoom
Meeting Platform
Altoona, Pennsylvania

### **ACTION SUMMARY**

There were no formal actions taken by the SAWDB Executive Committee at its scheduled meeting held on July 9, 2024, at the Southern Alleghenies Planning & Development Commission due to lack of a quorum. A ballot will be sent out for motion approvals.

1. Approve the minutes of the SAWDB Executive Committee meeting held on June 11, 2024, as presented.

### SOUTHERN ALLEGHENIES WORKFORCE DEVELOPMENT BOARD EXECUTIVE COMMITTEE MEETING

Tuesday, July 9, 2024

### Southern Alleghenies Planning and Development Commission, also available via Zoom Meeting Platform Altoona, Pennsylvania

### **Members Participating**

Bob Parsons B & B Designed Systems

Cory Sisto IFC Services
Julia Brulia Holiday Inn
Keith Baker BWPO

Sharon Clapper Clapper's Industries

### Non-Members

Amy Kimmel Tableland Services

Barb Covert E & T
Brad Burger Goodwill

Debbie Ankney Tableland Services

Gwen Fisher Goodwill
Heather Saly
Judy Lutz
BWPO
E & T

Lisa Phillips Tableland Services

Rebecca Lowry

Sarah Helman

Jen Sklodowski

Jim Walker

Tim Baranik

Carrie Fisher

Services

Goodwill

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### Call to Order

SAWDB Vice Chair, Mr. Cory Sisto, called the meeting of the Southern Alleghenies Workforce Development Board Executive Committee to order at 10:00 a.m. The meeting was open to the public and available virtually using Zoom.

### Approval of Minutes from June 11, 2024

Mr. Cory Sisto asked for any comments or questions regarding the minutes from June 11, 2024. There were no questions or concerns.

### Director's Report

Red/Green Report

Ms. Jennifer Sklodowski referred to the Red/Green Report which reflects eleven months of expenditures, with all open items due to fiscal by July 1<sup>st</sup>. All Providers have met and exceeded their goals.

Ms. Sklodowski referred to page 2 of the Red/Green report and stated that it tracks expenditure rates as measured against the 20% and 75% WIOA expenditure requirements. Providers have met and exceeded their goals.

### **Budget Review**

FY'25 State budget will release the federal carry over of WIOA funds. There will be no TANF, WIOA and no new state funding. Ms. Sklodowski is confident that providers will not have to halt services, that providers are in a stable position, and the funds will be released.

Ms. Sharon Clapper asked what the regulations are regarding TANF funding.

Ms. Sklodowski stated that TANF funding will still be available, but TANF now requires the entire family to be on TANF and not the individual.

Ms. Clapper asked what kind of impact the new regulations would have on TANF programs, and if state representatives need to be informed.

Ms. Babara Covert spoke of the low population of TANF families and how the new guidelines will impact the youth.

Ms. Sklodowski stated that PWDA informed her that the bill is already finalized.

Mr. Brad Burger mentioned that both pending bills in Congress have additional language in them to address part of the gap and is confident there will be a reauthorization.

### **OSO Review Outcome**

Ms. Jennifer Sklodowski shared the outcome of the OSO Reviews that were received. The One Stop Operator is a consortium made up of Mr. Brad Burger of Goodwill, Ms. Lisa Phillips of Tableland Services, and Ms. Barbara Covert of Employment & Training. She wanted to congratulate the OSO on a job well done. Ms. Sklodowski to email the results.

Mr. Cory Sisto asked how many respondents the review was based on.

Ms. Sklodowski said the review was based on eleven respondents.

### **Opioid Grant**

Ms. Jennifer Sklodowski shared SAWDB has received an Opioid Grant through the Disaster Recovery grant, it was in response to opioid crisis for eligible Dislocated Workers in the region providing career services. The first increment of \$32,984 was received. The planning stages have started and there will be a meeting scheduled with providers to discuss next steps. Mr. Jim Walker is to provide assistance.

### Local Performance Negotiations

Ms. Jennifer Sklodowski is currently working with the state for negotiations, which are due July 26<sup>th</sup>. She will share the information as soon as it's available. She also thanked Mr. Jim Walker for his assistance.

### <u>Comprehensive Economic Development Strategy</u> (CEDS) – Workforce Goals and Objectives

Ms. Sklodowski spoke of CEDS that covers workforce goals and objectives for the Southern Alleghenies. She is currently working with Mr. Lee Slusser who is the director of Planning to outline the boards goals, objectives and strategies. The concern is the region's population in workforce has been aging and shrinking for decades and is projected to continue to do so until the year 2050. Ms. Sklodowski asked the board how to maximize economic growth by supporting workforce development initiatives that build a talent pipeline.

Ms. Sklodowski asked the board and providers for ideas, goals and objective strategies to submit to the CEDS committee of the Southern Alleghenies.

Ms. Gwen Fisher spoke of a symposium she attended that talked largely about statistics and demographics and as a group came away with several actions to take, that had a lot of different facets, which she is willing to share.

Ms. Barbara Covert shared they could continue to look at grants, especially the Business Education Partnership grants, which allow Workforce to be initiated in the schools at younger ages, helping to expose young people to opportunities locally, understanding the local labor market, developing career pathways. Continuing to support that initiative and engage with youth at the younger ages, so that they understand the opportunities and continue to engage with the School to Work programs, The Teacher in the Workplace, and other initiative that the Southern Alleghenies support.

Ms. Sharon Clapper spoke of focusing on elementary career activities. Recently she met with Lock Key Martin and are starting a new program at the Tech Center, and they toured Nolton Aviation, and they are going to pilot a program for 5<sup>th</sup> grade females, to familiarize them with the Career opportunities in manufacturing and defense companies. Ms. Clapper also spoke of Winber school district where the superintendent is implementing a program called Careers in the Classroom for the elementary students.

Mr. Brad Burger spoke of there having to be a shift with upscaling incumbent workers and working with who is available. There is still going to be tremendous change pressure on these individuals, and it will be important to look across the continuum of activities that are not easily automatable. Looking at young people, it's going to be difficult to prepare them for the future that is rapidly changing. Mr. Burger believes teaching the kids adaptation should be a priority.

Ms. Clapper spoke of focusing on remote work and how to prepare for those kinds of interviews.

### One Stop Report

Mr. Brad Burger spoke of there being two competing bills in congress, one in the senate and one in the house that has already passed related to WIOA reauthorization. One of the things that were worth mentioning is Workforce has asked for flexibility, both competing bills have flexibility. Mr. Burger spoke of the senate bill and how it is looking at how the local Workforce Board is structured, how they can work collaboratively, how they can merge, etc. Also, doing away with the requirement of having a comprehensive center, right now in our six-county region we have 5

comprehensive centers with specific requirements for each center to be called a comprehensive center. Looking forward at the changing demographics of our region, the work from home issues, he thinks there is an opportunity and challenges ahead to adapt the system more flexibly to the region and not be tied to the concept of a structured, regulated, comprehensive center model. There is an opportunity to serve more people, more places, in better ways.

Mr. Burger spoke of beginning conversations about what the new world will look like. He spoke of the library partners, and having the partners going hybrid and deploy people more strategically through a shrinking population and taking advantage of virtualization.

Mr. Burger also shared that Chatbots are evolving, and studies are being done with humans interacting with the Chatbots to ensure they are accurate. Most people couldn't tell if they were interacting with a human or a Chatbot.

Mr. Bob Parsons spoke about how working from home is impacting different aspects of the workforce, and how people are quitting to just stay home.

Ms. Sarah Helman shared another alternative is not necessarily telework but utilizing more public spaces. Most people just don't want to be stuck in a specific space and want to be mobile while working.

Mr. Burger shared that the requirement for comprehensive centers is one for region, which there are five in the Southern Region. He also stated that they are losing staff due to working from home, but there is another side of it to where people want to work from home.

Ms. Gwen Fisher spoke of a digital literacy issue within the clients who need guidance with computers, and how that needs to be in the forefront for staffing computer resource centers.

Mr. Brad Burger spoke of starting with the customers and working backwards from that point with collecting data, what they did, and how to be accessible to them with whatever form they need. The biggest mistake is to continue doing what we have been doing for the last twenty years.

Mr. Jim Walker spoke of being efficient and customer driven, that is convenient for the customer within the One Stop system. Behind the scenes will need to make it work with knowing what the customer needs and how to serve them efficiently.

Mr. Cory Sisto recapped that the proposed legislation does not mandate anything that will allow for each operator to find efficiencies to determine to where it would be better to distribute resources whether it be brick and mortar or the hybrid model. Mr. Sisto spoke of the assistance with digital services, outside of unemployment, and that they likely lack resilience in a changing model utilizing the digital services, what we focus on with the digital pipeline. There needs to be tools to be resilient to change.

Mr. Burger spoke of how rapidly technology is changing and looked at the pace that we change and how we don't have the digital tools that are available to keep up.

### Other Business

Ms. Sharon Clapper asked the program operators to share information about the summer programs they are hosting.

Ms. Judy Lutz shared that Fulton County and Huntington County are hosting industry tours, the next work site visit is to the Huntingdon County Prison with 33 elementary school children.

Ms. Sarah Helman shared that Goodwill now has 75 Youth working across the tri-county area with the majority being 14 and 15 years of age. Another group of youth will be starting this week focusing on AI and volunteering to help build critical thinking skills and to make connections.

Ms. Amy Kimmel shared that Tableland has 33 TANF working, 6 OOS WIOA, 3 crews with 4 leaders and 22 work sites and four are new worksites.

Ms. Sharon Clapper gave praise to Ms. Kimmel for putting one of the teams at the Union St. playground and getting it up and running.

Ms. Barab Covert shared that she has sent an email to the operators requesting demographic information, and wants to share the results at the August Workforce meeting.

### Adjournment

There being no further business, the meeting was adjourned at 10:55 a.m.

The next meeting of the Southern Alleghenies Workforce Development Board Executive Committee will be held on **Tuesday**, **September 10**, **2024**, **10:00** a.m.



### The Johnstown Vision – Post-Secondary Education for All

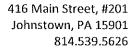
### I. Introduction

The City of Johnstown has experienced its share of issues over the years. More recently, the city has seen a loss of population and a critical loss of skilled and educated workers. To raise quality of life, family sustaining jobs, and coach our current population on how to attain a post-secondary degree, we must take steps to provide community outreach and clearly plot and clearly plot a path for each student to utilize federal, state, local, and private party funding sources to finance their education. Our current programs are currently underutilized, hard to navigate, and must be aligned to provide clear methods to obtain a post-secondary education.

After discussing this issue with several existing programs and foundations, the model of an endowment to fund this program would be less stable and will impose an end to the program while the need will continue. The Pittsburgh Promise is an example of an endowment program, which will see an end in 2028, after providing the opportunity for thousands of students over the ten years of its existence. The Johnstown Vision will utilize existing programs, private investment, and yearly funding to establish "education paths" that will lead to personalized plans for each student to attain their dream of a post-secondary education and a coach to help facilitate any bumps in the road to success.

### II. The Problem

- 33.7% of the population in the Johnstown area falls below the poverty line. \*
- Johnstown has a high transitory population due to over 1500 units of HUD housing.
- 85% of Johnstown's population have a High School Diploma, while only 14% have a college degree. \*
- Johnstown is transitioning from an industrial city and has recently exited Act 47 status.
- Currently, there are over 1000 jobs available in the Johnstown area (Careerbuilder.com 7/31/24) and the expansion of current businesses is curtailed by the lack of skilled workers.
- With the lack of current college degrees in each household, the majority of potential students are 1<sup>st</sup> Generation Post-Secondary Education students, if they choose the Johnstown Vision.
- Negotiating the path to Post-Secondary Education is complex, especially for 1<sup>st</sup> Generation students and families.
- Guidance Counselors address student mental health issues, deal with emergency situations of security and safety, and take on other duties that make it difficult for them to perform their normal career counseling.
- \* Source: USCENSUS.Gov (<a href="https://www.census.gov/quickfacts/fact/table/johnstowncitypennsylvania,PA/INC11022">https://www.census.gov/quickfacts/fact/table/johnstowncitypennsylvania,PA/INC11022</a> 1)





### III. The Solution

The solution comes down to three main components:

- 1.) Coaching Personnel need to meet weekly with students and parents to help navigate financial aid applications and post-secondary school applications. Coaching staff will explain the requirements and "paths" to align with existing scholarships.
- 2.) Technical or Academic Paths coaches work with parents and students to choose a Technical or Academic Path, based upon their career goals, in a non-biased environment. Paths to attainment of their desired degree or certification will be charted and defined between High School, Community College, Technical School, and College or Universities to assure attainment of their career goals.
- 3.) Funding the Scholarships Funding this program will come from federal, state, and private sources. A combined funding program will be managed and planned for every student. Many private scholarships are currently being funded in our community by foundations and various companies, but this program will allow more access to these scholarships if they are combined with state funding for scholarships and workforce development.

### IV. Summary

The Johnstown area, like many rural areas in Pennsylvania, struggles with population loss and lack of qualified workers. By implementing the Johnstown Vision, our community wishes to take the lead in meeting this challenge with an aggressive plan to enhance our workforce through existing educational institutions and funding sources. This program should be scalable to other communities and could provide a test case for a solution in other communities. If provided the funding, we will work together to implement the Johnstown Vision.

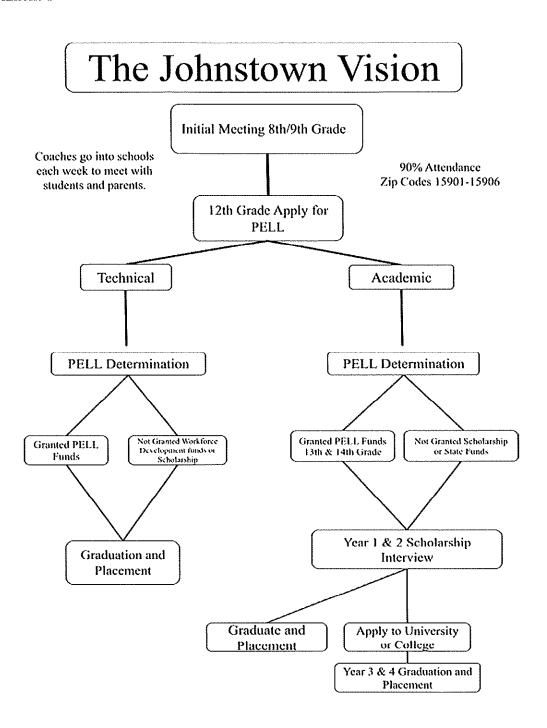
Attachment 1 – Flowchart of the program

Attachment 2 – Determining the Need

Attachment 3 – Preliminary Yearly Budget



### Attachment 1

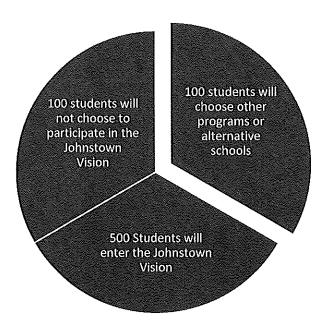


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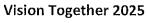
Attachment 2 – Determining the Need

On average, our schools graduate 700 students a year.



- 100 students will choose not to pursue post-secondary education.
- 100 students will be provided opportunities outside of the established programs through other institutions and alternative scholarships.
- Most of our focus will be on the 500 students who can take advantage or want to take advantage of the Johnstown Vision.

Of the remaining 500, statistically 50% will qualify for a PELL Grant due to the fact that 50% of our current students qualify for the State Free Lunch Program. The remaining 250 would be given scholarships. Current cost for a student to attend Penn Highlands is \$5,000 per year. Total cost to fund 250 scholarships would be \$1,250,000 per class or \$2,500,000 per year.





416 Main Street, #201 Johnstown, PA 15901 814.539.5626

### Attachment 3 – Preliminary Budget

Scholarship needs per year -	\$2,500,000.00
Vision Coach (\$80,000.00 salary and benefits)	\$112,000.00
Operational Costs (Rent, supplies, computers, etc.)	\$36,000.00
Total	\$2,648,000.00

AS MEASURED AGAINST 80% EXPENDITURE REQUIREMENT PY24 TITLE I PROVIDER QUARTERLY EXPENDITURE RATES

	% of Goal Spent	10.45%	9.08%	9.66%	%96.9	11.09%	7.98%	8.24%		10.81%	8.91%	9.42%	9.92%	9.31%	<b>**</b>	18.64%	46.31%	13.67%	21.62%
;	% of Budget 2 Spent	8.36%	7.27%	7.72%	5.57%	8.87%	6.38%	6.59%		8.65%	7.13%	7.53%	7.94%	7.45%	***	14.91%	37.04%	10.94%	17.29%
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### AS MEASURED AGAINST 20% & 75% WIOA EXPENDITURE REQUIREMENTS PY23 TITLE I PROVIDER QUARTERLY EXPENDITURE RATES

WIOA YTH Work Exp. WIOA YTH (20%)		\$ 25,000 \$ 93,750	\$ 13,655 \$ 51,206	\$ 16,425 \$ 61,595	Fund Total \$ 55,080 \$ 206,551
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% of Budget Spent	2.80%	3.64%	1.65%	2.17%	XXXXXXXXX	% of Budget 3
75% Target					XXXXXXX	75% Target
20% Target	\$ 100,000	\$ 54,620	\$ 65,701	\$ 220,321	<b>*************************************</b>	20% Target
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% of Goal		11.53%	9.50%	10.05%	10.59%	CXXXXX
% of Budget. Spent		8.65%	7.13%	7.53%	7.94%	COCOCOCOCOCOC
75% Target		\$ 375,000	\$ 204,824	\$ 246,379	\$ 826,202	XXXXXXXXXXX
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Provider/Fund	WIOA YTH - OSY	Goodwill	E&T, Inc	Tableland	Total WIOA Youth <b>S 1.101.803 \$ 87.482</b> (	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

### WIOA Performance Negotiations Worksheet PY 2024 & PY 2025

		Pennsy	Pennsylvania		- And Andrews
	PY 2022 Actual	PY 2023 Actual*	PY 2024 Negotiated	PY 2025 Negotiated	
Adult					Adult
Employment Second Quarter after Exit	77.6%	76.5%	77.0%	77.5%	Employment Second Quarter after Exit
Employment Fourth Quarter after Exit	75.0%	76.3%	75.0%	76.0%	Employment Fourth Quarter after Exit
Median Earnings Second Quarter after Exit	\$7,820	690'8\$	\$8,000	\$8,100	Median Earnings Second Quarter after Exit
Credential Attainment Rate	72.8%	71.2%	71.0%	72.0%	Credential Attainment Rate
Measurable Skill Gains	71.0%	66.2%	64.0%	65.0%	Measurable Skill Gains
Dislocated Workers					Dislocated Workers
Employment Second Quarter after Exit	81.5%	81.8%	80.5%	81.0%	Employment Second Quarter after Exit
Employment Fourth Quarter after Exit	81.0%	79.6%	80.5%	81.0%	Employment Fourth Quarter after Exit
Median Earnings Second Quarter after Exit	\$10,022	\$10,564	\$10,000	\$10,100	Median Earnings Second Quarter after Exit
Credential Attainment Rate	78.3%	76.6%	74.0%	75.0%	Credential Attainment Rate
Measurable Skill Gains	70.2%	70.3%	23.0%	%0.09	Measurable Skill Gains
Youth					Youth
Employment Second Quarter after Exit	72.5%	72.3%	70.0%	71.0%	Employment Second Quarter after Exit
Employment Fourth Quarter after Exit	72.4%	70.5%	%0'89	68.5%	Employment Fourth Quarter after Exit
Median Earnings Second Quarter after Exit	\$4,130	\$4,142	\$4,200	\$4,500	Median Earnings Second Quarter after Exit
Credential Attainment Rate	64.9%	65.0%	%0.99	66.5%	Credential Attainment Rate
Measurable Skill Gains	73.6%	57.9%	63.0%	65.0%	Measurable Skill Gains

	Southe	Southern Alleghenies WDA	WDA	
	PY 2022 Actual	PY 2022 Actual   PY 2023 Actual	PY 2024 Negotiated	PY 2025 Negotiated
Adult				
Employment Second Quarter after Exit	76.4%	70.5%	75.0%	76.0%
Employment Fourth Quarter after Exit	75.6%	73.2%	74.5%	75.5%
Median Earnings Second Quarter after Exit	\$6,977	\$6,709	\$7,800	\$8,000
Credential Attainment Rate	76.0%	76.0%	80.08	81.0%
Measurable Skill Gains	60.4%	75.0%	76.0%	%0.77
Dislocated Workers				
Employment Second Quarter after Exit	81.2%	84.9%	81.0%	82.0%
Employment Fourth Quarter after Exit	82.6%	81.7%	79.8%	80.5%
Median Earnings Second Quarter after Exit	\$10,011	\$8,877	\$9,850	\$76,6\$
Credential Attainment Rate	70.8%	78.3%	75.0%	75.1%
Measurable Skill Gains	84.1%	85.7%	86.0%	87.0%
Youth				
Employment Second Quarter after Exit	75.4%	70.7%	75.0%	76.0%
Employment Fourth Quarter after Exit	%5'99	%6'69	%0'89	69.0%
Median Earnings Second Quarter after Exit	\$4,997	\$4,177	\$4,350	\$4,450
Credential Attainment Rate	55.7%	%5'85	65.0%	66.0%
Measurable Skill Gains	54.5%	63.6%	62.5%	64.5%

			Wa	Wages (2023)			Employment	ment	
၁၀ಽ		Educational	Entry	Annual	Exper.	Estimated	<b>Projected</b>	Percent	Annual
Code	anii aac	Attainment	Level	Average	Level	2020	2030	Change	Demand
11-9021	Construction Managers	BD+	\$65,130	\$101,610	\$119,850	290	310	96.9	23
11-9032	Education Administrators, K-Secondary School	MD+	\$67,920	\$91,070	\$102,640	290	300	3.4%	22
11-9051	Food Service Managers	WK EXP	\$44,460	\$63,640	\$73,220	310	330	6.5%	37
11-9111	Medical & Health Services Managers	BD+	\$66,570	\$107,930	\$128,610	440	560	27.3%	49
13-1020	Buyers & Purchasing Agents	BD+	\$42,750	\$65,160	\$76,360	380	350	~5.9%	32
13-1031	Claims Adjusters, Examiners & Investigators	LTOJT	\$42,340	\$66,100	\$77,990	140	120	-14.3%	ω
13-1041	Compliance Officers	BD+	\$40,800	\$64,800	\$76,800	320	310	-3.1%	25
13-1071	Human Resources Specialists	BD	\$38,590	\$59,070	\$69,310	470	480	2.1%	45
13-1111		BD+	\$51,460	\$80,270	\$94,670	200	220	10.0%	21
13-1151	Training & Development Specialists	BD+	\$36,390	\$60,980	\$73,280	210	230	9.5%	23
13-1198		BD	N/A	N/A	N/A	490	480	-2.0%	34
13-2011	13-2011 Accountants & Auditors	BD	\$42,660	\$68,080	\$80,790	1,090	1,080	-0.9%	93
15-1232	15-1232 Computer User Support Specialists	PS	\$32,620	\$50,660	\$59,670	380	410	7.9%	31
15-1244	15-1244 Network & Computer Systems Administrators	90	\$53,490	\$75,960	\$87,200	210	210	0.0%	15
15-1256	15-1256 Software Developers & QA Analysts	ВО	N/A	N/A	N/A	380	470	23.7%	40
17-2112	17-2112 Industrial Engineers	BD	\$61,640	\$83,630	\$94,620	260	300	15.4%	21
17-3011	17-3011 Architectural & Civil Drafters	AD	\$42,320	\$59,100	\$67,490	170	160	-5.9%	14
17-3031	17-3031 Surveying & Mapping Technicians	MT OJT	\$37,770	\$51,310	\$58,080	70	70	0.0%	တ
21-1012	21-1012 Educational, Guidance & Career Counselors/Advisors	MD dw	\$43,640	\$60,690	\$69,210	270	270	0.0%	25
21-1023	21-1023 Mental Health & Substance Abuse Social Workers	MD+	\$31,220	\$41,550	\$46,720	360	410	13.9%	40
23-2011	Paralegals & Legal Assistants	AD	\$34,680	\$51,730	\$60,250	140	150	7.1%	16
25-2011	Preschool Teachers	AD	\$23,280	\$33,620	\$38,790	500	540	8.0%	55
25-2021	Elementary School Teachers	ВD	\$48,330	\$64,000	\$71,840	1,920	1,960	2.1%	142
25-2022	Middle School Teachers	BD	\$45,130	\$65,620	\$75,860	260	270	3.8%	9
25-2031	Secondary School Teachers	ge de	\$48,330	\$64,820	\$73,060	1,660	1,700	2.4%	117
25-2052	Special Education Teachers, Kindergarten & Elementary School	BD	\$51,010	\$64,480	\$71,210	200	210	2.0%	15
25-2058	Special Education Teachers, Secondary School	BD	\$45,480	\$62,340	\$70,770	250	250	%0.0	19
25-3021	Self-Enrichment Teachers	WK EXP	\$21,580	\$40,990	\$50,700	260	280	7.7%	32
27-2022	Coaches & Scouts	BD	\$26,260	\$58,830	\$75,110	180	190	5.6%	27
29-1123	Physical Therapists	DOCT	\$67,080	\$88,620	\$99,380	490	610	24.5%	35
29-1141	Registered Nurses	вр	\$61,700	\$77,000	\$84,650	4,240	4,400	3.8%	240
29-1171	Nurse Practitioners	MD	\$94,660	\$114,230	\$124,020	230	370	%6.09	29
29-2032	29-2032 Diagnostic Medical Sonographers	AD	\$58,150	\$87,030	\$101,470	06	100	11.1%	7

		A	Wages (2023)	(6		Employment	ment	
SOC	Educational	Entry	Annual	Exper.	Estimated	Projected	Percent	Annual
Code	Attainment	Level	Average	Level	2020	2030	Change	Demand
29-2034 Radiologic Technologists & Technicians	AD	\$48,530	\$61,030	\$67,290	310	330	6.5%	24
29-2040 Emergency Medical Technicians & Paramedics	PS	N/A	N/A	N/A	710	640	~6.9%	36
29-2061 Licensed Practical & Licensed Vocational Nurses	PS	\$43,380	\$53,490	\$58,540	1,390	1,490	7.2%	118
29-2098 Medical Dosimetrists, Records Specialists & Other Techs	PS	N/A	N/A	N/A	200	520	4.0%	39
31-1131 Nursing Assistants	PS	\$31,080	\$36,230	\$38,800	2,460	2,510	2.0%	304
31-2011 Occupational Therapy Assistants	AD	\$45,010	\$56,020	\$61,530	130	200	53.8%	27
31-2021 Physical Therapist Assistants	AD	\$44,530	\$55,410	\$60,860	220	310	40.9%	40
31-9091 Dental Assistants	PS	\$34,990	\$42,290	\$45,940	400	420	2.0%	49
33-3012 Correctional Officers & Jailers	TLO TM	\$45,040	\$61,490	\$69,710	1,530	1,360	-11.1%	115
33-3051 Police & Sheriff's Patrol Officers	TLO TM	\$39,210	\$67,780	\$82,070	840	840	%0.0	64
37-1011 Supervisors - Housekeeping & Janitorial Workers	WK EXP	\$29,910	\$41,330	\$47,040	310	300	-3.2%	33
37-1012 Supervisors - Landscaping & Groundskeeping Workers	WK EXP	\$37,470	\$54,980	\$63,740	260	260	%0.0	27
39-1098 Supervisors - Personal Svc/Entertain"/Reor'n Workers	WK EXP	N/A	N/A	N/A	410	440	7.3%	47
39-9011 Childcare Workers	STOJT	\$19,900	\$24,600	\$26,960	1,260	1,240	-1.6%	169
41-1011 Supervisors - Retail Sales Workers	WK EXP	\$29,450	\$44,840	\$52,530	2,330	2,190	-6.0%	222
41-3021 Insurance Sales Agents	TLO TM	\$34,530	\$59,490	\$71,970	350	330	-5.7%	29
41-3091 Sales Representatives - Services	TLO TM	\$33,480	\$59,600	\$72,660	530	560	5.7%	65
41-4012 Sales Representatives	MT OJT	\$39,580	\$73,490	\$90,440	1,190	1,170	-1.7%	114
41-9022 Real Estate Sales Agents	TLO TM	\$32,760	\$59,010	\$72,140	340	340	0.0%	29
43-3031 Bookkeeping, Accounting & Auditing Clerks	PS+	\$27,700	\$40,500	\$46,900	1,490	1,390	-6.7%	148
43-4061 Eligibility Interviewers, Government Programs	MT OJT	\$46,110	\$54,630	\$58,890	460	450	-2.2%	40
43-5051 Postal Service Clerks	ST OJT	\$41,940	\$55,720	\$62,610	230	200	-13.0%	15
43-5053 Postal Service Mail Sorters & Processors	STOJT	\$43,270	\$55,400	\$61,460	150	120	-20.0%	თ
43-5061 Production, Planning & Expediting Clerks	MT OJT	\$37,130	\$50,820	\$57,660	370	380	2.7%	38
43-9022 Word Processors & Typists	ST OJT	\$24,890	\$34,370	\$39,100	640	430	-32.8%	39
47-1011 Supervisors - Construction & Extraction Workers	WK EXP	\$48,600	\$72,630	\$84,640	590	610	3.4%	58
47-2021 Brickmasons & Blockmasons	LT OJT	\$42,570	\$71,240	\$85,570	80	70	-12.5%	7
47-2031 Carpenters	LT OJT	\$34,790	\$55,580	\$65,970	1,180	1,230	4.2%	115
47-2111 Electricians	LTOJT	\$41,290	\$59,860	\$69,150	570	290	3.5%	62
47-2181 Roofers	MT OJT	\$33,660	\$49,390	\$57,260	150	150	0.0%	14
47-4051 Highway Maintenance Workers	MT OJT	\$32,340	\$41,800	\$46,530	920	099	1.5%	99
49-1011 Supervisors - Mechanics, Installers & Repairers	WK EXP	\$43,620	\$66,870	\$78,490	740	750	1.4%	68
49-3011 Aircraft Mechanics & Service Technicians	PS	N/A	N/A	N/A	A/A	N/A	A/A	N/A

SOC Title  49-3021 Automotive Body & Related Repairers  49-3023 Automotive Service Technicians & Mechanics  49-3023 Bus & Truck Mechanics & Diesel Engine Specialists  49-3042 Mobile Heavy Equipment Mechanics  49-3041 Industrial Machinery Mechanics  49-9041 Industrial Machinery Mechanics  49-9051 Electrical Power-Line Installers & Repairers  49-9052 Telecommunications Line Installers & Repairers  49-9051 Electrical Power-Line Installers & Repairers  49-9052 Telecommunications Line Installers & Repairers  49-9052 Telecommunications Line Installers & Repairers  49-9071 Maintenance & Repair Workers, General  51-1011 Supervisors - Production & Operating Workers  51-8021 Stationary Engineers & Boiler Operators  51-8031 Water/Wastewater Treatment Plant & System Operators  51-8031 Water/Wastewater Treatment Plant & System Operators  51-8041 Inspectors, Testers, Sorters, Samplers & Weighers  51-9061 Inspectors, Testers, Sorters, Samplers & Weighers  51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tenders  51-9161 CNC Tool Operators  51-9161 Supervisors - Transportation & Material Moving Workers  53-1047 Airline Pilots, Copilots & Flight Engineers	SOC Title  Institute  Mechanics  Igine Specialists  Inics & Installers	Educational Attainment LT OJT PS LT OJT MIT OJT	Entry   Level   \$31,070   \$29,890   \$37,340   \$44,190   \$36,710   \$41,770   \$57,600   \$52,830   \$29,000   \$29,000   \$28,000	Average \$44,440 \$43,440 \$51,450 \$55,030 \$49,420 \$55,030 \$55,030 \$55,030	Exper. Level	Estimated	Projected 2030	Percent Change	Annual Demand
49-3021 Automotive Body & Related Repairers 49-3021 Automotive Body & Related Repairers 49-3023 Automotive Service Technicians & Mechanics 49-3021 Bus & Truck Mechanics & Diesel Engine Specialists 49-3031 Bus & Truck Mechanics & Diesel Engine Specialists 49-3042 Mobile Heavy Equipment Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics & Installers 49-9051 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9051 Electrical Power-Line Installers & Repairers 49-9051 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8021 Water/Wastewater Treatment Plant & System Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-8042 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Supervisors - Transportation & Material Moving Workers 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Flight Engineers	Succionates Mechanics Mechanics Igine Specialists Simics & Installers	Attainment LT OJT PS LT OJT MT OJT	2684856888	\$44,440 \$43,440 \$51,450 \$55,030 \$49,420 \$56,080	Level	CCUC	2030	Change	Demand
49-3021 Automotive Body & Related Repairers 49-3023 Automotive Service Technicians & Mechanics 49-3023 Bus & Truck Mechanics & Diesel Engine Specialists 49-3021 Bus & Truck Mechanics 49-3021 Mobile Heavy Equipment Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics 49-9021 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9051 Electrical Power-Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8021 Stationary Engineers & Boiler Operators 51-8021 Stationary Engineers & Sorders, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 51-9161 Airline Pilots, Copilots & Flight Engineers	Mechanics Igine Specialists Inics & Installers	PS LT OJT MI OJT	\$31,070 \$29,890 \$37,340 \$44,190 \$36,710 \$41,770 \$57,600 \$52,830	\$44,440 \$43,440 \$51,450 \$55,030 \$56,080	651 120	404V			
49-3023 Automotive Service Technicians & Mechanics 49-3031 Bus & Truck Mechanics & Diesel Engine Specialists 49-3042 Mobile Heavy Equipment Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics & Installers 49-9021 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9071 Industrial Machinery Mechanics 49-9072 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	Mechanics Igine Specialists Samines & Installers	PS LT OJT LT OJT PS+ LT OJT LT OJT LT OJT MI OJT	\$29,890 \$37,340 \$44,190 \$36,710 \$41,770 \$57,600 \$52,830	\$43,440 \$51,450 \$55,030 \$49,420 \$56,080	901,100	300	300	%0:0	27
49-3031 Bus & Truck Mechanics & Diesel Engine Specialists 49-3042 Mobile Heavy Equipment Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics 49-9041 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 51-9161 Airline Pilots, Copilots & Flight Engineers	igine Specialists s nics & Installers	LT OJT LT OJT PS+ LT OJT LT OJT LT OJT MT OJT	\$37,340 \$44,190 \$36,710 \$41,770 \$57,600 \$52,830	\$51,450 \$55,030 \$49,420 \$56,080	\$50,220	1,150	1,110	-3.5%	107
49-3042 Mobile Heavy Equipment Mechanics 49-9021 Heating, A/C & Refrigeration Mechanics & Installers 49-9021 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 51-9161 Airline Pilots, Copilots & Flight Engineers	inios & Installers	PS+ LTOJT LTOJT LTOJT MTOJT	\$44,190 \$36,710 \$41,770 \$57,600 \$52,830 \$29,000	\$55,030 \$49,420 \$56,080	\$58,510	550	570	3.6%	54
49-9021 Heating, A/C & Refrigeration Mechanics & Installers 49-9041 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Boiler Operators 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	nics & Installers	PS+ LTOJT LTOJT LTOJT MTOJT	\$36,710 \$41,770 \$57,600 \$52,830 \$29,000	\$49,420	\$60,460	240	260	8.3%	26
49-9041 Industrial Machinery Mechanics 49-9051 Electrical Power-Line Installers & Repairers 49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Stationary Engineers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 51-9161 Airline Pilots, Copilots & Flight Engineers	positars	LTOJT LTOJT LTOJT MTOJT	\$41,770 \$57,600 \$52,830 \$29,000	\$56,080	\$55,780	490	510	4.1%	49
49-9051 Electrical Power-Line Installers & Repairers 49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-4121 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	การเรา	LT OJT LT OJT MT OJT	\$57,600		\$63,240	630	710	12.7%	65
49-9052 Telecommunications Line Installers & Repairers 49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-4121 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers		LT OJT MT OJT	\$52,830	\$84,500	\$97,950	220	210	-4.5%	16
49-9071 Maintenance & Repair Workers, General 51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-8021 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	& Repairers	MT OJT	\$29,000	\$72,610	\$82,500	70	80	14.3%	10
51-1011 Supervisors - Production & Operating Workers 51-2028 Elec. & Electromechanical Assemblers 51-4121 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	neral			\$43,370	\$50,560	1,820	1,900	4.4%	181
51-2028 Elec. & Electromechanical Assemblers 51-4121 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	ıg Workers	WK EXP	\$45,050	\$64,920	\$74,860	870	880	1.1%	86
51-4121 Welders, Cutters, Solderers & Brazers 51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-8061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Locating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	ers	MT OJT	\$32,920	\$41,910	\$46,410	610	650	6.6%	69
51-8021 Stationary Engineers & Boiler Operators 51-8031 Water/Wastewater Treatment Plant & System Operators 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	ers	MT OJT	\$40,330	\$48,290	\$52,270	1,140	1,220	7.0%	132
51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	ators	רד סטד	\$45,110	\$61,130	\$69,140	100	06	-10.0%	T-
51-9061 Inspectors, Testers, Sorters, Samplers & Weighers 51-9124 Coating, Painting & Spraying Machine Setters/Oprs/Tender 51-9161 CNC Tool Operators 53-1047 Supervisors - Transportation & Material Moving Workers 53-2011 Airline Pilots, Copilots & Flight Engineers	& System Operators	LTOJT	\$37,260	\$49,570	\$55,730	310	290	-6.5%	24
	ers & Weighers	MT OJT	\$33,370	\$46,660	\$53,310	620	260	-9.7%	63
	ne Setters/Oprs/Tenders	MT OJT	\$34,160	\$44,890	\$50,250	330	350	6.1%	35
		MT OJT	\$37,080	\$51,090	\$58,100	390	370	-5.1%	38
53-2011 Airline Pilots, Copilots & Flight Engineers	erial Moving Workers	WK EXP	\$37,540	\$56,880	\$66,550	780	810	3.8%	87
	neers	BD+	\$82,560	\$123,890	\$144,560	N/A	N/A	N/A	N/A
53-2012 Commercial Pilots		MT OJT	N/A	N/A	N/A	30	30	0.0%	3
53-3032 Heavy & Tractor-Trailer Truck Drivers	(S	PS	\$39,690	\$51,500	\$57,410	3,650	3,770	3.3%	415
53-3052 Bus Drivers, Transit & Intercity		MT OJT	\$37,030	\$51,160	\$58,230	140	170	21.4%	21
53-3058 Passenger Vehicle Drivers		ST OJT	N/A	N/A	N/A	1,640	2,100	28.0%	262
53-7051 Industrial Truck & Tractor Operators		STOJT	\$35,880	\$46,960	\$52,500	800	900	12.5%	100

### Educational Attainment Abbreviations:

Short-term or Moderate-term training (ST OJT or MT OJT) - basic tasks and skills are learned through a period of on-the-job training. A high school diploma may be required.

Long-term training (LT OJT) – a high school diploma and at least one year of on-the-job training or an apprenticeship.

Related work experience (WK EXP) - a high school diploma and training gained through hands-on work in a similar occupation.

Postsecondary training (PS or PS+) - training is gained through a postsecondary training program. Some period of related work experience may be required.

Bachelor's Degree (BD or BD+) - degree completed after four years of full-time schooling beyond high school. Some period of related work experience may be required. Associate Degree (AD or AD+) - degree completed after two years of full-time schooling beyond high school. Some period of related work experience may be required.

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Master's Degree (MD or MD+) - degree completed after two years of full-time schooling beyond a bachelor's degree. Some period of related work experience may be required. Doctoral Degree (DOCT) - degree programs requiring 3-6 years of education at the college or university level beyond a four-year bachelor's degree.