

# APPRENTICESHIP COMPLETION

Employment and Salary Data  
for 2022-23 Apprentices

Izzy

Fox Valley  
TECHNICAL COLLEGE  
AUTOMOTIVE TECHNOLOGY



**“ Apprenticeship is a proven pathway to great jobs with family supporting wages, in an ever-growing array of industries. ”**

**LAYLA MERRIFIELD, PRESIDENT,  
WISCONSIN TECHNICAL COLLEGE SYSTEM**



**JANUARY 2025**

**WISCONSIN TECHNICAL COLLEGE SYSTEM  
4622 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53705**

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Access this report online: [WTCSsystem.edu/ApprenticeshipReport](https://www.wtcsystem.edu/ApprenticeshipReport)

If you have questions regarding the information in this report, contact [hilary.barker@wtcsystem.edu](mailto:hilary.barker@wtcsystem.edu)

# HIGHLIGHTS



## 2022-23 APPRENTICESHIP COMPLETION

Registered Apprenticeship combines structured, on-the-job training with classroom instruction. Apprentices learn the theory and practice of a highly skilled occupation in one to six years and are paid for their time on the job and in the classroom.

Wisconsin's technical colleges work closely with the Wisconsin Department of Workforce Development Bureau of Apprenticeship Standards (DWD-BAS) to meet employer needs in the area of apprenticeship, providing the classroom instruction for apprenticeship programs in the industrial, construction and all other sectors.

With an overall annual median salary of \$96,733 for individuals who completed an apprenticeship in 2022-23, and who received their apprentice-related instruction at a Wisconsin technical college, it's easy to see why participation has increased about 19% over the past five years. To ensure equitable access to these valuable and growing opportunities, efforts to engage historically underrepresented populations - including women and people of color - are ramping up subsequent to recently revised federal and state Affirmative Action/Equal Employment Opportunity (AA/EEO) guidance and improved tools to assist with broad community engagement.

This report is based on a recent survey of 1,656 individuals who received an apprenticeship completion certificate in 2022-23, with 466 (28.1%) responding.

## TRAINING SATISFACTION



**of apprentices were satisfied with their related instruction**



**of apprentices were satisfied with their on the job training**

## CONTINUING EDUCATION



**of apprentices were considering continuing their education**



## MEDIAN SALARY FOR ALL APPRENTICES



## MEDIAN ANNUAL SALARY BY INDUSTRY SECTOR

**\$99,840**

MEDIAN SALARY FOR CONSTRUCTION SECTOR

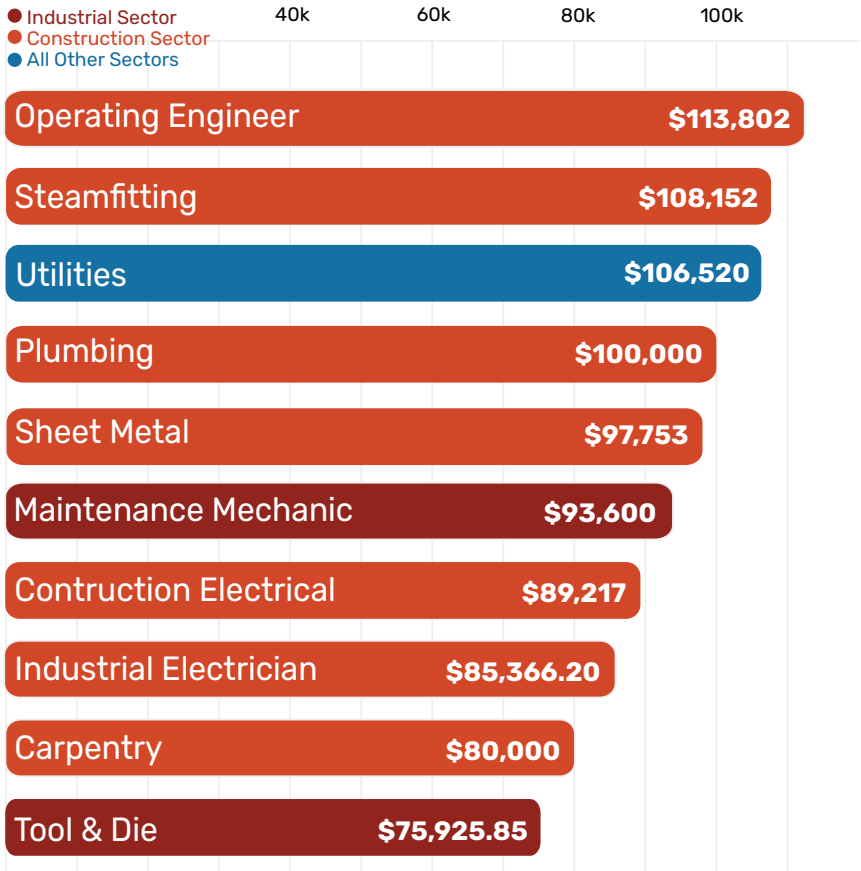
**\$84,240**

MEDIAN SALARY FOR INDUSTRIAL SECTOR

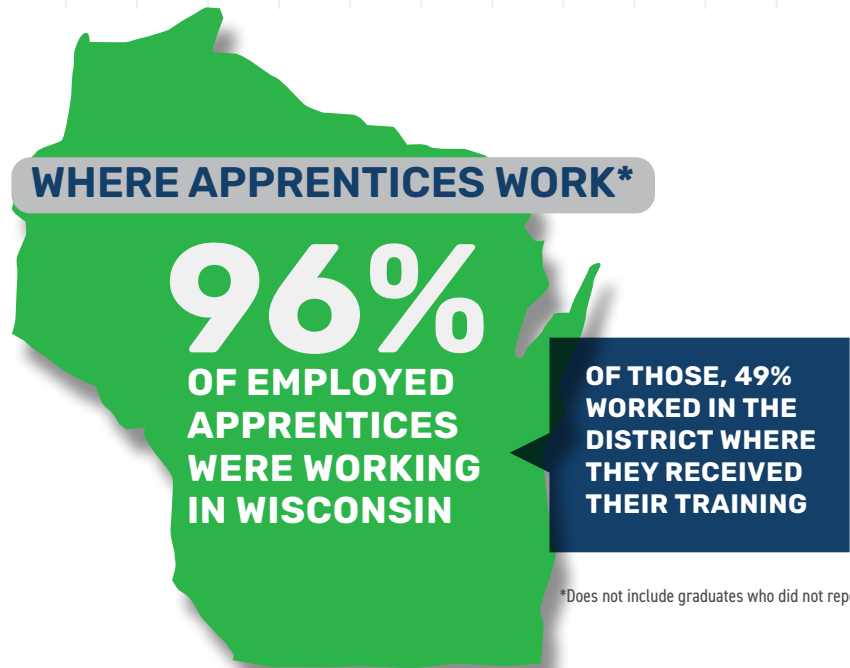
**\$105,040**

MEDIAN SALARY FOR ALL OTHER SECTORS

## MEDIAN ANNUAL SALARY BY HIGHEST EARNING OCCUPATIONS



## WHERE APPRENTICES WORK\*



\*Does not include graduates who did not report location.

Wisconsin's technical colleges recognize successful completion of many apprenticeships as 39 credits towards the 60-credit Technical Studies – Journey Worker Associate Degree.

# SECTOR-SPECIFIC APPRENTICESHIPS

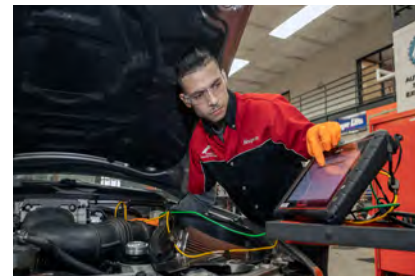
Apprenticeships are typically grouped, including in this report, in categories established by the Wisconsin Department of Workforce Development: Construction, Industrial and All Other sectors. Within each sector, "Program" may include multiple apprenticeships with like curriculum for the apprentice-related instruction provided by Wisconsin's technical colleges. To provide additional detail, those "programs" are further broken out by individual apprenticeships in the final table: Apprenticeships, by WTCS Program Number.



## CONSTRUCTION

Program Title	Program	Number of Completers	Responses	In Labor Force	Employed		Employed Related		Seeking Employment	Median Salary		Avg Hours/Week
					#	%	#	%		Hourly	Annual	
MASONRY	50-408-0	7	4	4	4	100%	3	75%	0	*	*	42
CARPENTRY	50-410-0	167	22	22	22	100%	22	100%	0	\$41.00	\$80,000.00	41
CONSTRUCTION ELECTRICAL	50-413-0	268	81	81	80	98%	78	97%	1	\$42.75	\$89,216.75	41
GLAZIER (CONSTRUCTION)	50-417-1	6	0	*	*	*	*	*	*	*	*	*
PAINTING AND DECORATING	50-424-0	9	0	*	*	*	*	*	*	*	*	*
PLUMBING	50-427-0	137	51	51	50	98%	49	98%	1	\$46.60	\$100,000.00	42
SHEET METAL	50-432-0	158	22	22	21	95%	21	100%	1	\$47.00	\$97,752.50	42
SPRINKLER FITTER	50-434-1	5	0	*	*	*	*	*	*	*	*	*
STEAMFITTING	50-435-0	121	25	25	25	100%	23	92%	0	\$52.60	\$108,152.00	41
IRONWORKING	50-437-1	*	*	*	*	*	*	*	*	*	*	40
ROOFING	50-466-0	*	*	*	*	*	*	*	*	*	*	*
OPERATING ENGINEER	50-447-0	219	84	83	82	98%	78	95%	1	\$43.23	\$113,802.00	53
TELE/DATA INSTALLER	50-451-2	5	1	1	1	100%	1	100%	0	*	*	*
<b>Construction Sector Total</b>		<b>1106</b>	<b>291</b>	<b>290</b>	<b>286</b>	<b>98%</b>	<b>276</b>	<b>96%</b>	<b>4</b>	<b>\$43.75</b>	<b>\$99,840.00</b>	<b>42</b>

Note: \*Indicates fewer than 5 reported completers, or fewer than 3 completers with reported wage information.





# INDUSTRIAL

Program Title	Program	Number of Completers	Responses	In Labor Force	Employed		Employed Related		Seeking Employment	Median Salary		Avg Hours/Week
					#	%	#	%		Hourly	Annual	
INDUSTRIAL ELECTRICIAN	50-414-0	160	49	48	48	100%	48	100%	0	\$38.73	\$85,366.20	44
MACHINIST	50-420-0	66	17	16	16	100%	16	100%	0	\$31.50	\$70,000.00	41
MAINTENANCE MECHANIC	50-423-0	134	40	40	40	100%	39	97%	0	\$38.46	\$93,600.00	44
TOOL & DIE	50-439-0	50	22	22	22	100%	22	100%	0	\$34.50	\$75,925.85	44
WELDING/PIPE FABRICATION	50-442-0	16	2	2	2	100%	2	100%	0	*	*	43
METAL FABRICATION	50-457-0	*	*	*	*	*	*	*	*	*	*	*
MECHATRONICS	50-620-1	19	3	3	3	100%	2	66%	0	*	*	46
<b>INDUSTRIAL TRADE GROUP TOTAL</b>		<b>446</b>	<b>133</b>	<b>131</b>	<b>131</b>	<b>100%</b>	<b>129</b>	<b>98%</b>	<b>0</b>	<b>\$36.74</b>	<b>\$84,240</b>	<b>43</b>

Note: \*Indicates fewer than 5 reported completers, or fewer than 3 completers with reported wage information.



# ALL OTHER SECTORS

Program Title	Program	Number of Completers	Responses	In Labor Force	Employed		Employed Related		Seeking Employment	Median Salary		Avg Hours/Week
					#	%	#	%		Hourly	Annual	
AGRICULTURE/NATURAL RESOURCES	50-0XX-0	13	1	1	1	100%	1	100%	0	*	*	*
UTILITIES	50-468-0	51	29	29	28	96%	28	100%	1	\$50.75	\$106,520.00	43
BARBER/COSMETOLOGY	50-502-0	27	7	7	7	100%	5	71%	0	*	*	40
PHARMACY TECHNICIAN	50-536-1	14	4	4	4	100%	4	100%	0	*	*	*
<b>All Other Sectors Total</b>		<b>105</b>	<b>42</b>	<b>42</b>	<b>41</b>	<b>97%</b>	<b>39</b>	<b>95%</b>	<b>1</b>	<b>\$50.50</b>	<b>\$105,040.00</b>	<b>41</b>

Note: \*Indicates fewer than 5 reported completers, or fewer than 3 completers with reported wage information.

# TOTAL

Program Title	Number of Completers	Responses	In Labor Force	Employed		Employed Related		Seeking Employment	Median Salary		Avg Hours/Week
				#	%	#	%		Hourly	Annual	
TOTAL- ALL PROGRAMS	1,657	466	463	458	98%	444	96%	5	\$42.30	\$96,733.40	42

Note : One apprentice completed multiple apprenticeships at multiple WI technical colleges

## APPRENTICESHIPS, BY WTCS PROGRAM NUMBER

Program Groupings	Program Group Number	Included Programs (programs with completers)
MASONRY	50-408-0	50-408-1 BRICKLAYING/MASONRY APPRENTICE, 50-429-9 CONCRETE FINISHER APPRENTICE (ABC)
CARPENTRY	50-410-0	50-410-1 CARPENTRY APPRENTICE, 50-410-9 CARPENTRY APPRENTICE (ABC)
CONSTRUCTION ELECTRICAL	50-413-0	50-413-2 ELECTRICITY (CONSTRUCTION) APPRENTICE, 50-413-3 ELECTRICAL CONSTRUCTION APPRENTICE, 50-413-4 RESIDENTIAL WIRER APPRENTICE, 50-413-9 ELECTRICIAN APPRENTICE (ABC)
PLUMBING	50-427-0	50-427-3 PLUMBING APPRENTICE (JAC), 50-427-5 PLUMBING APPRENTICE, 50-427-9 PLUMBING APPRENTICE (ABC)
SHEET METAL	50-432-0	50-401-1 ENVIRONMENTAL SERVICE APPRENTICE, 50-432-1 SHEET METAL CONSTRUCTION, 50-432-2 SHEET METAL - INDUSTRIAL, 50-432-3 ENVIRONMENTAL SERVICE TECHNICIAN
STEAMFITTING	50-435-0	50-435-2 STEAMFITTING APPRENTICE, 50-435-3 STEAMFITTING-CONSTRUCTION APPRENTICE, 50-435-4 STEAMFITTING SERVICE APPRENTICE, 50-435-9 ABC STEAMFITTING APPRENTICESHIP
OPERATING ENGINEER	50-447-0	50-477-1 OPERATING ENGINEER APPRENTICE, 50-447-9 HEAVY EQUIPMENT OPERATOR APPRENTICE (ABC)
MAINTENANCE MECHANIC	50-423-0	50-423-1 MAINTENANCE MECHANIC/MILLWRIGHT APPRENTICE, 50-423-3 MILLWRIGHT - PIPEFITTER, 50-423-7 LUBRICATION TECHNICIAN
TOOL & DIE	50-439-0	50-439-3 TOOL & DIE APPRENTICE, 40-430-4 TOOL & DIE TECHNOLOGIES APPRENTICE
WELDING/PIPE FABRICATION	50-442-0	50-435-1 PIPEFITTING APPRENTICE, 50-442-1 WELDING APPRENTICE, 50-442-4 PIPE FABRICATOR
UTILITIES	50-468-0	50-413-6 ELECTRIC LINE APPRENTICE, 50-413-7 METERING TECHNICIAN APPRENTICE
BARBER/COSMETOLOGY	50-502-0	50-502-1 COSMETOLOGY APPRENTICE, 50-502-5 BARBERING APPRENTICE
AGRICULTURE/NATURAL RESOURCES	50-0XX-0	50-001-1 ARBORIST APPRENTICE, 50-090-1 ORGANIC VEGETABLE MANAGER APPRENTICE
INDUSTRIAL ELECTRICIAN/E&I	50-414-0	50-414-2 ELECTRICAL & INSTRUMENTATION APPRENTICE, 50-413-1 INDUSTRIAL ELECTRICIAN APPRENTICE
MACHINIST	50-420-0	50-420-1 INJECTION MOLD SET-UP (PLASTIC) APPRENTICE, 50-420-2 MACHINIST APPRENTICE

## EMERGING NEW APPRENTICE OCCUPATIONS, NOT YET REFLECTED IN THE WTCS APPRENTICESHIP COMPLETION REPORT:

ASSOCIATE DEGREE - NURSING/RN

LABORATORY ANIMAL CARETAKER TECHNICIAN

AUTOMOTIVE COLLISION TECHNICIAN

OPHTHALMIC ASSISTANT

AUTOMOTIVE SERVICE CONSULTANT

RESPIRATORY THERAPY

CNC MACHINE OPERATOR

STERILIZATION PROCESSING TECHNICIAN

INDUSTRIAL SHIPBUILDER/WELDER

TRUCK DRIVING

CYBERSECURITY ANALYST

FINANCIAL SERVICES PROFESSIONAL

SOFTWARE DEVELOPER

SERVICE DESK

DATA ANALYST

EARLY CHILDHOOD EDUCATION

TEACHER



# DEMOGRAPHIC COMPOSITION OF WTCS APPRENTICES

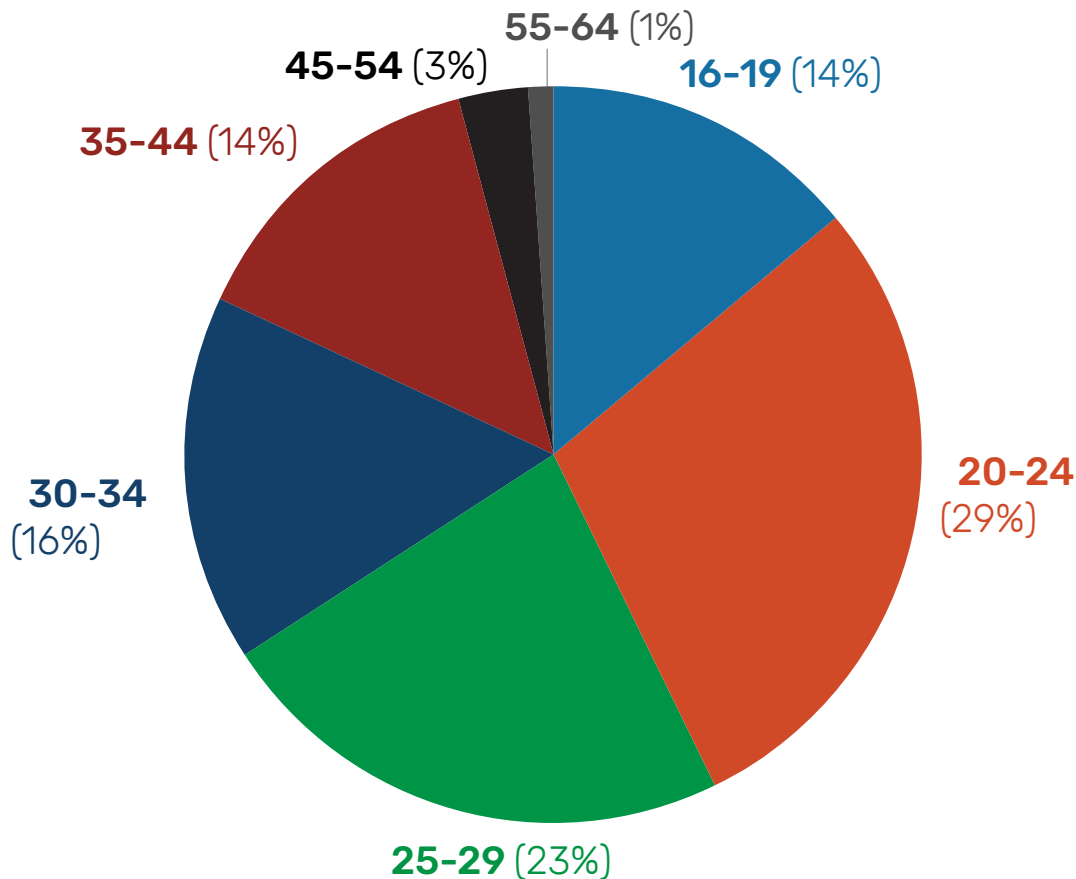
To ensure equitable access to valuable and expanding apprenticeship opportunities, the federal Department of Labor and Wisconsin Department of Workforce Development revised federal and state Equal Employment Opportunity guidance in 2019. This included improved tools to deepen community engagement with historically underrepresented populations, including women and people of color. This engagement is a priority for all Wisconsin apprenticeship partners, including DWD, WTCS, Wisconsin's technical colleges and employers.

While these efforts are increasingly reflected in DWD apprenticeship participation statistics, they are not yet fully reflected in the following demographic information, which is limited to individuals who completed an apprenticeship in 2022-23, and who received related instruction from a Wisconsin technical college.

Trade Group	Males	Females	N/R	Total	Hispanic	American Indian/ Alaskan Native	Asian	Black	White	Pacific Islander	Multi-ethnic	N/R
CONSTRUCTION	1057	32	17	1106	22	12	9	9	720	0	14	320
INDUSTRIAL	432	9	*	444	7	*	11	5	375	0	7	36
OTHER	70	32	*	106	7	0	*	6	80	*	*	*
<b>Totals</b>	<b>1559</b>	<b>73</b>	<b>24</b>	<b>1656</b>	<b>36</b>	<b>15</b>	<b>23</b>	<b>20</b>	<b>1175</b>	<b>2</b>	<b>25</b>	<b>360</b>
<b>Percentages</b>	<b>94.14</b>	<b>4.41</b>	<b>1.45</b>	<b>100.00</b>	<b>2.17</b>	<b>0.91</b>	<b>1.39</b>	<b>1.21</b>	<b>70.95</b>	<b>0.12</b>	<b>1.51</b>	<b>21.74</b>

Note: N/R means Not Reported  
\*Indicates less than 5 apprentices

## APPRENTICES BY AGE



DEMOGRAPHIC & AGE DATA

# **APPENDIX A:**

# **METHODOLOGY & DEFINITIONS**

## **BACKGROUND**

Wisconsin's 16 technical colleges conduct an annual survey to assess outcomes for those receiving an apprenticeship completion certificate from the Wisconsin Department of Workforce Development-Bureau of Apprenticeship Standards (DWD-BAS) and received related instruction at a Wisconsin technical college.

The primary objective is to analyze employment and salary data in a format similar to the annual Wisconsin Technical College System (WTCS) Graduate Outcomes report. Survey questions also gauge satisfaction with the on-the-job training and related classroom instruction provided by the technical colleges.

## **METHODOLOGY**

Between August and December 2023, each Wisconsin technical college surveyed apprentices who earned an apprenticeship completion certificate from DWD-BAS in 2022-23, and who attended that college for their related classroom instruction. Appendix B is a copy of the survey instrument.

1,656 individuals received an apprenticeship completion certificate in 2022-23, with 466 (28.1%) responding. Each Wisconsin technical college submitted its survey responses to WTCS for compilation of this System-wide report.

## **DEFINITIONS**

“Labor force” includes all employed and unemployed respondents except individuals who were unemployed and not seeking employment.

A person was considered employed if they worked for pay or profit at the time of the survey. Individuals may be employed full-time or part-time. Part-time is defined as those working less than 35 hours per week.

Individuals not working for pay or profit at the time of the survey were considered unemployed. An unemployed individual was considered to be seeking employment if he or she was actively looking for work.

Employed respondents who indicated they were employed in the apprenticeship occupational area for which they received training are counted in the “Employed Related” category. As a result, this category is a subset of the employed category.

Salary data are reported for respondents who indicated they were employed full-time in the occupational area for which they received training. Median salary is not an average – it is the mid-point of all reported salaries, with half of reported salaries below and half above.

A minimum of three employed-related respondents must have reported their salary in order for a median to be published. If there were no survey responses for a program or fewer than five apprentices in a program, then no labor force or employment data is published, indicated by an asterisk.

# APPENDIX B: SURVEY INSTRUMENT

## APPRENTICESHIP COMPLETER SURVEY

Please check one answer.

1. How satisfied are you with the paid-related instruction received at our school?

- Very Satisfied
- Satisfied
- Unsatisfied
- Very Unsatisfied

2. How satisfied are you with the apprentice training you received on the job?

- Very Satisfied
- Satisfied
- Unsatisfied
- Very Unsatisfied

3. Which **one** of the below best describes you?

- **I am employed** in my apprenticeship occupational area
- **I am employed** in a position outside of my apprenticeship occupational area
- **I am not employed** but am looking for a job.
- **I am not employed** and not looking for a job.

NOTE: If you are currently employed, please continue with Question 4. If not employed, please stop here.

4. Are you considering continuing your formal education? (Technical Studies Journey Worker AAS, associate degree, bachelor's degree)

- Yes
- No

5. Please list the following job information:

*Job Title* \_\_\_\_\_

*Name of Employer* \_\_\_\_\_

\_\_\_\_\_  
*Street Address*

\_\_\_\_\_  
*City, State & Zip Code*

\_\_\_\_\_  
Name of immediate supervisor:

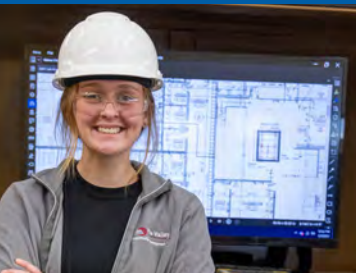
6. What is your present wage? If available, please provide both.

Hourly base wage: \$ \_\_\_\_\_

Yearly earnings: \$ \_\_\_\_\_

7. How many hours do you work during an average work week?

\_\_\_\_\_ hours per week



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[blackhawk.edu](http://blackhawk.edu)

**CHIPPEWA VALLEY**

[cvtc.edu](http://cvtc.edu)

**FOX VALLEY**

[fvtc.edu](http://fvtc.edu)

**GATEWAY**

[gtc.edu](http://gtc.edu)

**LAKESHORE**

[gotoltc.edu](http://gotoltc.edu)

**MADISON COLLEGE**

[madisoncollege.edu](http://madisoncollege.edu)

**MID-STATE**

[mstc.edu](http://mstc.edu)

**MILWAUKEE AREA**

[matc.edu](http://matc.edu)

**MORAINES PARK**

[morainepark.edu](http://morainepark.edu)

**NICOLET COLLEGE**

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**NORTHCENTRAL**

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[nwtc.edu](http://nwtc.edu)

**NORTHWOOD TECH**

[northwoodtech.edu](http://northwoodtech.edu)

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[swtc.edu](http://swtc.edu)

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[wctc.edu](http://wctc.edu)

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