

Training Provider Record Request 212-2023

Foundation Program Continuation to Apprenticeship Rate* - Industrial Mechanic (Millwright)

Fiscal Year Reported	Number of Foundation Credentials issued twelve (12) months prior	Foundation Continuation to Apprenticeship rate
2018/2019	151	44%
2019/2020	182	46%
2020/2021	166	42%
2021/2022	120	38%
2022/2023	131	53%

*Continuation from foundation programs to apprenticeship measures the percentage of individuals who successfully complete a foundation program and register as an apprentice within 12 months from their foundation credential achievement date. The apprenticeship registration can be in any trade.

Pass rate for the Standard Level Exam (SLE) from 2018 to 2022 (calendar years) for the Industrial Mechanic (Millwright) Program

Note: The following statistics are of first-time writes for those writing with a class (excludes challengers).

Millwright Level 1 (HL)

Month/Year	2018-2019	2019	2021*	2022
Number of Writes	166	193	77	148
Pass Rate	59%	56%	60%	61%
Average Exam Mark	71%	71%	71%	71%
Average per GAC A - Perform Safety-Related Practices	79%	80%	80%	79%
Average per GAC B - Use Tools and Equipment	74%	75%	76%	72%
Average per GAC C - Perform Routine Trade Activities	69%	68%	68%	69%
Average per GAC D - Use Communication and Mentoring Techniques	89%	90%	82%	74%
Average per GAC E - Perform Measuring and Layout of Work Piece	77%	76%	73%	76%
Average per GAC F - Perform Cutting and Welding Operations	50%	51%	51%	63%
Average per GAC G - Perform Rigging, Hoisting/Lifting and Moving	64%	65%	68%	64%

*SLEs were waived until September 2021 due to COVID-19.

Millwright Level 2 (CL)

Month/Year	2018 (Jan - Nov)
Number of Writes	197
Pass Rate	72%
Average Exam Mark	75%
Average per GAC B - Trade Science	76%
Average per GAC D - Lubricants, Seals, and Bearings	77%
Average per GAC E - Install Equipment	71%
Average per GAC F - Cut, Fit, and Fabricate	69%
Average per GAC H - Service Power Transmissions	67%
Average per GAC I - Service Fluid Power	77%

Note: there were no Millwright Level 2 SLE writes in 2019. Millwright HL2 was implemented in January 2019. The HL2 SLE was launched on January 1, 2020.

Millwright Level 2 (HL)

Month/Year	2021*	2022
Number of Writes	41	207
Pass Rate	61%	51%
Average Exam Mark	71%	68%
Average per GAC C - Perform Routine Trade Activities	76%	71%
Average per GAC F - Perform Cutting and Welding Operations	62%	62%

Month/Year	2021*	2022
Average per GAC H - Service Shafts, Bearings and Seals	61%	62%
Average per GAC I - Service Couplings, Clutches and Brakes	72%	68%
Average per GAC J - Service Chain and Belt Drive Systems	66%	68%
Average per GAC K - Service Gear Systems	83%	76%
Average per GAC L - Perform Shaft Alignment Procedures	75%	70%

*SLEs were waived until September 2021 due to COVID-19

Millwright Level 3 (CL)

Month/Year	2018* (Jan - Nov)	2019**
Number of Writes	186	179
Pass Rate	74%	75%
Average Exam Mark	75%	75%
Average per GAC H - Service Power Transmissions	75%	75%
Average per GAC I- Service Fluid Power	74%	75%
Average per GAC K- Service Pumps	71%	71%
Average per GAC L - Service Material Handling Systems	79%	77%

*2018 stats are of first-time exam writes for those writing with a class (excludes challengers).

**2019 stats include apprentices and challengers.

Millwright Level 3 (HL)

Month/Year	2022*
Number of Writes	56
Pass Rate	27%
Average Exam Mark	64%
Average per GAC C - Perform Routine Trade Activities	68%
Average per GAC L- Perform Shaft Alignment Procedures	61%
Average per GAC M - Service Fans and Blowers	71%
Average per GAC N - Service Pumps	58%
Average per GAC O - Service Compressors	56%
Average per GAC P - Service Piping, Tanks and Containers	66%
Average per GAC Q - Service Hydraulic Systems	67%
Average per GAC R - Service Pneumatic and Vacuum Systems	68%

*Implemented September 2022.

Millwright IPSE (2013 NOA)

Year	2018	2019*
Number of Writes	235	231
Pass Rate	70%	79%
Average Exam Mark	73%	75%
National Apprentices Pass Rate*	70%	49%
Block A Average - Common Occupational Skills	78%	78%
Block B Average - Rigging, Hoisting/Lifting & Moving	70%	73%
Block C Average - Mechanical Components & Systems	69%	70%
Block D Average - Material Handling/Process Systems	74%	76%
Block E Average -Hydraulic, Pneumatic & Vacuum Systems	71%	74%
Block F Average - Preventative & Predictive Maintenance, Testing & Commissioning	76%	80%

*2017 RSOS was implemented In June 2019.

Millwright IPSE (2017 RSOS)

Year	2019*	2020	2021	2022
Number of Writes	231	123	226	196
Pass Rate	79%	78%	79%	84%
Average Exam Mark	75%	74%	76%	77%
National Apprentices Pass Rate*	49%	52%	56%	50%
Block A Average - Performs Common Occupational Skills	78%	76%	78%	79%
Block B Average - Performs Rigging, Hoisting/Lifting & Moving	73%	76%	82%	83%
Block C Average - Services Mechanical Power Transmission Components & Systems	70%	72%	78%	80%
Block D Average - Services Material Handling/Process Systems	76%	71%	67%	69%
Block E Average - Services Fluid Power Systems	74%	73%	74%	76%
Block F Average - Performs Preventative & Predictive Maintenance, Commissioning & Decommissioning	80%	80%	77%	79%

*2017 RSOS was implemented In June 2019.