

Statistical Profiles 2022

Apprenticeship and Industry Training



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2022 at a Glance — Statistics and More

The *Skilled Trades and Apprenticeship Education Act* (STAEA) came into force on July 20, 2022. Based on recommendations from the Skills for Jobs Task Force, this act replaced the 30-year-old *Apprenticeship and Industry Training Act* to modernize apprenticeship education and skilled trades regulation in Alberta and create a more flexible and efficient system. The new legislation supports Alberta's economic recovery, strengthens education pathways, increases options for industry, improves the quality of the learning experience, promotes the skilled trades and reduces red tape.

As of December 31, 2022...

- There were approximately 45,200 registered apprentices. Of those,
 - 5,700 were women
 - 3,000 self-identified as Indigenous
 - 2,300 began in the Registered Apprenticeship Program (RAP) as high school students
 - 181 began in a Career and Technology Studies (CTS) Apprenticeship Pathway as high school students
 - 80 per cent were registered in 12 programs
- Approximately 1,100 high school students were registered in the Registered Apprenticeship Program (RAP).

In 2022...

- Approximately 15,600 new apprentices registered.
- Approximately 6,000 individuals received journeyperson or qualification certification.
- Approximately 1,500 apprentices who completed their program between July 20, 2022 and December 31, 2022 received an education credential (certificate of achievement, certificate, diploma or advanced diploma).
- 79 per cent of apprentices who registered from July 20, 2022 to December 31, 2022 registered with a sponsor.
- Apprenticeship and Industry Training staff connected with more than 9,500 employer shops to promote apprenticeship programs and work with employers and apprentices to ensure the successful completion of apprenticeship education.

Other Interesting Facts...

- Approximately 6,600 former RAP students and 400 former CTS Apprenticeship Pathways students have gone on to complete their full apprenticeship program and receive journeyperson certification.



- While Alberta has 12 per cent of Canada's labour force, our province has approximately 14 per cent of the country's apprentices.
- Alberta welcomes skilled trades professionals from other jurisdictions and recognizes all Canadian trades certification.
- The majority of 2020-21 graduates and 2022 first-period apprentices in Alberta who participated in the most recent apprenticeship education survey expressed satisfaction with:
 - the overall quality of on-the-job learning (graduates: 87 per cent; first-period apprentices: 89 per cent)
 - the overall quality of their classroom instruction (graduates: 94 per cent; first-period apprentices: 88 per cent)
 - their experience with the apprenticeship program (89 per cent of both graduates and first-period apprentices would still have chosen to become an apprentice).
- According to a 2017 survey of employers, overall satisfaction with Alberta's apprenticeship and trade certification system remains high, with 90 per cent of respondents expressing satisfaction with the system.
- The majority of employers who participated in the 2017 employer survey expressed satisfaction with:
 - the skills of certified journeypersons (97 per cent)
 - apprenticeship classroom instruction (87 per cent)
 - the effectiveness of on-the-job training (95 per cent).



Apprenticeship – The Basics

- Alberta's apprenticeship system is responsive to the needs of the labour market and the demand for crucial skills. It offers innovative learning pathways that allow Albertans to become members of an educated and professional workforce. This is made possible through partnerships and collaboration among industry, post-secondary institutions and government.
- Apprenticeship is a post-secondary level program that provides a work-integrated learning opportunity with the majority of learning occurring through meaningful work experience and mentorship.
- Apprenticeship involves a committed partnership between an apprentice, a sponsor, an educational institution and government.
- For most apprenticeship programs, an apprentice completes approximately 80 per cent of their education on the job under the guidance of a mentor or mentors. Apprentices complete the other 20 per cent through classroom instruction provided by public post-secondary institutions.
- The classroom instruction portion is most often delivered through "block release," where the apprentice spends a dedicated block of time, generally eight weeks per year, in class. For some apprenticeship programs, classroom instruction may be offered in other formats such as competency-based apprenticeship training (CBAT), distance delivery, weekly apprenticeship training system (WATS), mobile delivery, and blended learning, which combines theory delivered online (e-learning) while practical classroom instruction takes place at the shop facilities of the training provider.
- Most apprenticeship programs are three to four years in length.
- There are various pathways into apprenticeship:
 - High school students can register through the Registered Apprenticeship Program (RAP). In RAP, students obtain on-the-job learning and work experience as credit toward both an apprenticeship program and a high school diploma, while they also earn an income.
 - High school students can also participate in apprenticeship education through the 22 different Career and Technology Studies (CTS) Pathways to Apprenticeship programs that include first-period, in-class curriculum. CTS students can receive advanced standing should they choose to continue with a formal apprenticeship program after high school.
 - Many post-secondary institutions, as well as some community organizations and unions, provide apprenticeship preparatory programs for adult Albertans. Some programs provide foundational academic and workplace essential skills, with a focus on improving overall employability; others include curriculum more closely related to classroom instruction that occurs in specific apprenticeship programs.
- Alberta is participating in the Harmonization Initiative and is part of the [Apprentice Mobility Protocol](#), which work to ensure that no Albertan faces mobility barriers to progressing in, and completing, an apprenticeship program.



Skills for Jobs Task Force

- The Skills for Jobs Task Force, assembled in September 2019, was tasked with finding ways to expand and strengthen Alberta's apprenticeship education and skilled trades opportunities to meet labour demands.
- The Skills for Jobs Task Force report, which was released in January 2021, made a number of recommendations on ways to support broader skills development in Alberta, to strengthen and improve apprenticeship education programs, and to modernize skilled trades professions.
- Since the report's release, government has been working to implement the recommendations. A major focus has been on helping people to recognize that the skilled trades offer a pathway into many highly respected, well-paying careers.
- For more information on the Skills for Jobs Task Force, visit alberta.ca/skills-for-jobs-task-force.

Skilled Trades and Apprenticeship Education Act – Important Changes

- The implementation of the new *Skilled Trades and Apprenticeship Education Act* (STAEA) on July 20, 2022 introduces some changes including:
 - new education credentials awarded to Apprenticeship Education Program graduates along with a journey person certificate;
 - the ability to designate professions as trades with or without an associated apprenticeship education program; or to establish an apprenticeship education program with or without an associated trade designation;
 - the ability for apprentices to sign an agreement with a sponsor who is not required to be their direct employer; sponsors may include labour organizations, non-profits or consortiums of employers. Sponsors ensure apprentices are receiving quality on-the-job instruction and perform assessments required for the apprenticeship program; and
 - establishing the Alberta Board of Skilled Trades responsible for advising the Minister of Advanced Education on the direction of Alberta's designated trades certification system and consulting with industry on certification standards and restricted activities.
- For more information on STAEA, visit [Tradesecrets.alberta.ca/staea](https://tradesecrets.alberta.ca/staea).

Financial Support for Apprentices

- Apprentices can access a variety of financial supports including loans, grants, scholarships and awards such as the Apprentice Training Award.
- Apprentices can apply for Alberta student loans and grants through Alberta Student Aid. Loans are also available through the Canada Apprentice Loan for those registered in Red Seal apprenticeship programs.
- Most apprentices are eligible for employment insurance while attending classroom instruction.
- A number of scholarships are also available to recognize achievement. As of 2020, more than 1,800 scholarships are available to Alberta apprentices, including the High School Apprenticeship Scholarships for students who successfully complete RAP or a CTS Apprenticeship Pathway.

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Table 1

Part A: Total and New Apprentices Registered by Year						
	2017	2018	2019	2020	2021	2022
Total Apprentices Registered (all trades)	50,611	48,206	44,115	44,928	39,121	45,275
New Apprentices Registered (all trades)	12,637	13,760	11,627	7,820	10,950	15,662

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

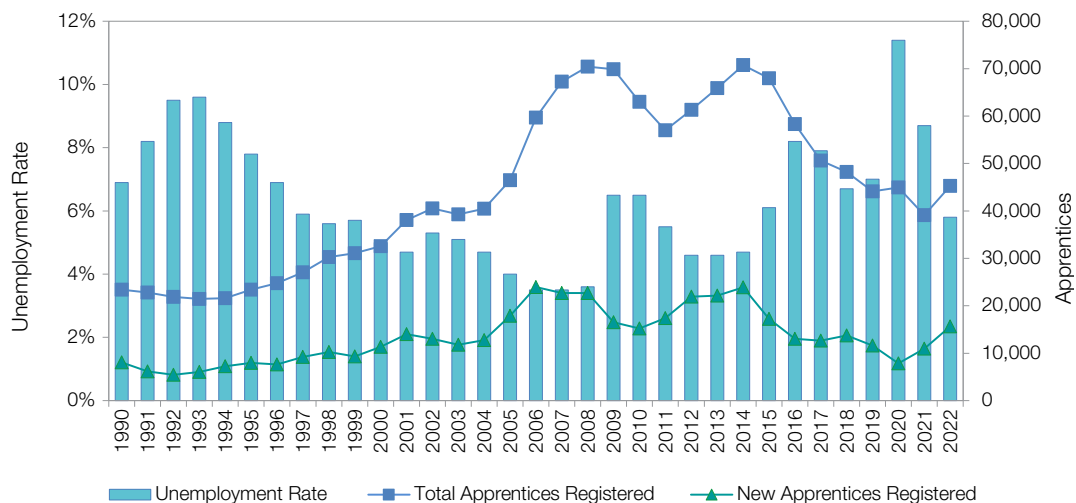
Total Apprentices Registered: Total number registered as of December 31, 2022. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year but are counted here only once.

New Apprentices Registered: All apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship program after participating in one or more apprenticeship programs in previous years, or continuing in a different apprenticeship program for which they registered in a previous year. Apprentices who registered in more than one apprenticeship program or branch of a program within a specific year, or who changed from one branch to another branch within the same program on the same day, are counted only once. The number does not include reinstated apprentices (unless reinstated in the same year).

Part B: Alberta Labour Force Statistics by Year ¹						
	2017	2018	2019	2020	2021	2022
Labour Force	2,412,100	2,425,300	2,450,600	2,405,000	2,452,400	2,534,500
Employed	2,220,800	2,263,600	2,279,300	2,129,800	2,239,200	2,388,600
Unemployed	191,300	161,700	171,300	275,200	213,100	145,800
Unemployment Rate (%)	7.9%	6.7%	7.0%	11.4%	8.7%	5.8%

Source: Alberta Labour, Statistics Canada

¹ Both sexes; 15 years and over; all industries

Chart 1**Alberta Unemployment Rates and Total and New Apprentices Registered by Year**

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions, Alberta Labour, Statistics Canada

Table 2
Total Number of Apprentices Registered by Apprenticeship Program^{1,2}

APPRENTICESHIP PROGRAM	2017	2018	2019	2020	2021	2022	2021-22 % Change
Agricultural Equipment Technician R	161	170	166	170	166	179	8%
Appliance Service Technician	73	77	89	111	94	96	2%
Appliance Service Technician R	66	70	78	93	80	85	6%
Commercial Appliance Service Technician	7	7	11	18	14	11	-21%
Auto Body Technician	636	669	620	632	509	591	16%
Auto Body Technician R	500	521	466	490	388	441	14%
Auto Body Prepper	19	27	31	23	27	38	41%
Auto Body Refinisher R (Note 1)	78	76	73	75	59	72	22%
Auto Body Repairer (Note 1)	39	45	50	44	35	40	14%
Automotive Service Technician R	3,018	3,066	3,104	3,353	3,042	3,482	14%
Baker R	183	187	165	139	115	129	12%
Boilermaker R	470	544	536	537	410	434	6%
Bricklayer R	158	117	90	95	88	89	1%
Cabinetmaker R	263	261	245	250	191	251	31%
Carpenter R	2,799	2,670	2,443	2,562	2,275	2,509	10%
Communication Technician	95	96	87	73	39	32	-18%
Concrete Finisher R	43	34	26	20	9	7	-22%
Cook R	875	802	729	666	520	578	11%
Crane and Hoisting Equipment Operator	1,892	1,944	1,616	1,322	1,353	1,726	28%
Boom Truck Operator	614	609	493	331	392	480	22%
Mobile Crane Operator R	586	519	524	502	448	578	29%
Tower Crane Operator R	48	68	47	60	41	53	29%
Wellhead Boom Truck Operator	644	748	552	429	472	615	30%
Electric Motor Systems Technician R	33	44	41	41	36	29	-19%
Electrician R	10,321	9,201	7,983	7,965	6,961	7,624	10%
Elevator Constructor	289	254	196	144	154	178	16%
Floorcovering Installer R	32	32	24	17	18	15	-17%
Gasfitter	486	517	488	530	552	665	20%
Gasfitter A R	397	406	362	341	327	394	20%
Gasfitter B R	89	111	126	189	225	271	20%
Glazier R	290	252	239	243	195	155	-21%
Hairstylist	2,241	2,248	2,194	2,496	2,736	3,028	11%
Barber (Note 2)	N/A	N/A	N/A	90	173	251	45%
Hairstylist R	2,241	2,248	2,194	2,406	2,563	2,777	8%
Heavy Equipment Technician	4,214	4,539	4,797	4,963	4,413	5,368	22%
Heavy Equipment Technician	3,191	3,379	3,508	3,578	3,149	3,763	19%
Heavy Duty Equipment Mechanic (Off Road) R	361	412	441	469	432	630	46%
Transport Trailer Mechanic	101	106	138	142	95	125	32%
Truck and Transport Mechanic R	561	642	710	774	737	850	15%
Industrial Mechanic (Millwright) R	1,554	1,544	1,564	1,603	1,416	1,801	27%
Instrumentation and Control Technician R	1,429	1,349	1,201	1,211	942	1,068	13%
Insulator (Heat and Frost) R	826	823	453	412	317	290	-9%
Ironworker	1,156	1,001	1,028	1,067	682	825	21%
Ironworker (Generalist) R (Note 3)	265	120	45	25	12	9	-25%
Ironworker (Metal Building Systems Erector)	56	65	102	105	48	51	6%
Ironworker (Reinforcing) R	316	444	508	557	347	418	20%
Ironworker (Structural/Ornamental) R	519	372	373	380	275	347	26%
Landscape Horticulturist R	147	141	118	127	130	130	0%
Lather (Interior Systems Mechanic) R	98	83	73	56	31	16	-48%
Locksmith	127	122	119	130	117	120	3%

Table 2 (Cont.)

APPRENTICESHIP PROGRAM	2017	2018	2019	2020	2021	2022	2021-22 % Change
Machinist R	367	425	457	480	360	437	21%
Metal Fabricator (Fitter) R	76	64	68	57	39	45	15%
Motorcycle Mechanic R	148	141	117	131	133	180	35%
Natural Gas Compression Technician	19	14	7	5	3	2	-33%
Outdoor Power Equipment Technician	61	54	50	50	57	48	-16%
Power	26	22	23	26	27	22	-19%
Recreational	35	32	27	24	30	26	-13%
Painter and Decorator R	78	61	55	44	29	41	41%
Parts Technician	793	798	804	814	719	832	16%
Parts Technician R	722	736	743	757	678	776	14%
Materials Technician	71	62	61	57	41	56	37%
Plumber R	3,330	3,150	2,816	2,833	2,641	2,744	4%
Powerline Technician R	528	448	336	343	261	365	40%
Power System Electrician	197	160	137	125	99	108	9%
Recreation Vehicle Service Technician R	138	129	120	118	131	168	28%
Refrigeration and Air Conditioning Mechanic R	795	877	891	951	932	1,159	24%
Rig Technician R (Note 4)	823	869	0	0	N/A	N/A	N/A
Roofer R	220	201	181	178	173	190	10%
Sheet Metal Worker R	1,342	1,435	1,223	1,214	1,007	1,056	5%
Sprinkler Systems Installer R	285	240	194	199	176	188	7%
Steamfitter-Pipefitter R	3,334	2,438	2,410	2,708	1,991	2,678	35%
Tilessetter R (Note 5)	11	5	2	0	N/A	N/A	N/A
Transport Refrigeration Technician	29	34	26	22	14	15	7%
Water Well Driller	26	20	19	15	17	25	47%
Welder	4,102	3,856	3,768	3,706	2,828	3,579	27%
Welder R	4,072	3,803	3,727	3,660	2,797	3,551	27%
Wire Processor	30	53	41	46	31	28	-10%
TOTAL	50,611	48,206	44,115	44,928	39,121	45,275	16%

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Total number registered as of December 31, 2022. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year but are counted here only once. Apprentices registered and employed in another jurisdiction but taking training only in Alberta are not included here.

² Under the new *Skilled Trades and Apprenticeship Education Act* (STAEA), implemented on July 20, 2022, designated trades are no longer classified as “compulsory” and “optional”. Restricted activities are now used to identify the specific tasks and activities within a trade that need to be performed by an individual who meets specified criteria. With the implementation of the new Act, all tasks and activities from existing trades have become classified as restricted activities with no changes to the criteria for authorized individuals.

R = Red Seal trade

N/A = Not Applicable. Data does not exist in the specified years.

Note 1: In 2022, three of the 72 individuals registered in the Refinisher branch of the Auto Body Technician apprenticeship program were also registered in the Repairer branch of that program, and one was also registered in the Auto Body Technician apprenticeship program. Of the 441 individuals registered in the Auto Body Technician apprenticeship program, one individual was also registered in the Repairer branch of that program.

Note 2: Effective April 30, 2020, Barber was designated as a branch of the Hairstylist trade.

Note 3: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Note 4: A request to de-designate the Rig Technician trade was received from the Canadian Association of Oilwell Drilling Contractors (CAODC) in January 2019. As part of the process to de-designate, active Rig Technician apprentices were notified in advance that their apprenticeship program registration would be cancelled on November 8, 2019. Effective May 1, 2020, the designation of the Rig Technician trade was rescinded.

Note 5: Effective April 30, 2020, the designation of the Tilessetter trade was rescinded.

Table 3**New Apprentices Registered by Apprenticeship Program¹**

APPRENTICESHIP PROGRAM	2017	2018	2019	2020	2021	2022	2021-22 % Change
Agricultural Equipment Technician	47	68	54	33	57	61	7%
Appliance Service Technician	29	29	31	42	27	34	26%
Appliance Service Technician	24	25	24	35	23	33	43%
Commercial Appliance Service Technician	5	4	7	7	4	1	-75%
Auto Body Technician	183	215	163	115	134	238	78%
Auto Body Technician	138	162	102	83	90	173	92%
Auto Body Prepper	9	16	12	5	11	17	55%
Auto Body Refinisher (Note 1)	23	22	31	20	22	29	32%
Auto Body Repairer (Note 1)	13	15	18	7	11	19	73%
Automotive Service Technician	766	848	804	620	843	1,206	43%
Baker	68	61	37	31	42	38	-10%
Boilermaker	88	216	100	88	127	153	20%
Bricklayer	36	20	16	32	28	24	-14%
Cabinetmaker	90	80	68	35	65	89	37%
Carpenter	758	745	620	517	731	825	13%
Communication Technician	25	27	20	9	8	9	13%
Concrete Finisher	16	12	10	4	0	0	N/A
Cook	275	239	209	141	168	193	15%
Crane and Hoisting Equipment Operator	629	604	392	277	370	603	63%
Boom Truck Operator	206	169	107	78	107	144	35%
Mobile Crane Operator	145	124	150	116	129	237	84%
Tower Crane Operator	17	34	15	22	12	21	75%
Wellhead Boom Truck Operator	261	277	120	61	122	201	65%
Electric Motor Systems Technician	10	17	12	6	12	3	-75%
Electrician	1,809	1,761	1,363	1,097	1,548	2,406	55%
Elevator Constructor	28	14	16	8	31	39	26%
Floorcovering Installer	9	15	4	4	5	3	-40%
Gasfitter	183	180	153	165	229	265	16%
Gasfitter A	135	130	95	79	116	161	39%
Gasfitter B	48	50	58	86	113	104	-8%
Glazier	93	63	62	40	44	27	-39%
Hairstylist	876	908	780	595	726	709	-2%
Barber (Note 2)	N/A	N/A	N/A	85	113	126	12%
Hairstylist	876	908	780	510	613	583	-5%
Heavy Equipment Technician	1,116	1,508	1,506	811	1,186	1,987	68%
Heavy Equipment Technician	751	1,054	1,015	482	762	1,297	70%
Heavy Duty Equipment Mechanic (Off Road)	130	159	169	114	153	311	103%
Transport Trailer Mechanic	47	52	83	29	49	72	47%
Truck and Transport Mechanic	188	243	239	186	222	307	38%
Industrial Mechanic (Millwright)	377	481	467	260	388	686	77%
Instrumentation and Control Technician	391	410	319	202	264	393	49%
Insulator (Heat and Frost)	290	262	55	55	98	83	-15%
Ironworker	330	375	460	222	305	399	31%
Ironworker (Generalist) (Note 3)	58	4	N/A	N/A	N/A	N/A	N/A
Ironworker (Metal Building Systems Erector)	23	32	68	25	18	28	56%
Ironworker (Reinforcing)	180	264	275	130	184	213	16%
Ironworker (Structural/Ornamental)	69	75	117	67	103	158	53%
Landscape Horticulturist	42	31	42	40	52	42	-19%
Lather (Interior Systems Mechanic)	27	28	16	11	10	2	-80%

Table 3 (Cont.)

APPRENTICESHIP PROGRAM	2017	2018	2019	2020	2021	2022	2021-22 % Change
Locksmith	37	39	29	29	30	33	10%
Machinist	85	156	136	69	91	153	68%
Metal Fabricator (Fitter)	26	25	22	9	14	19	36%
Motorcycle Mechanic	38	49	29	30	57	80	40%
Natural Gas Compression Technician	0	4	0	0	0	0	N/A
Outdoor Power Equipment Technician	22	16	20	16	23	15	-35%
Power	12	5	9	11	9	6	-33%
Recreational	10	11	11	5	14	9	-36%
Painter and Decorator	21	19	23	4	14	27	93%
Parts Technician	219	301	261	163	235	305	30%
Parts Technician	194	278	235	155	222	283	27%
Materials Technician	25	23	26	8	13	22	69%
Plumber	614	694	531	469	758	799	5%
Powerline Technician	150	111	77	52	75	165	120%
Power System Electrician	58	35	41	23	36	40	11%
Recreation Vehicle Service Technician	36	36	30	30	65	66	2%
Refrigeration and Air Conditioning Mechanic	186	291	236	173	288	410	42%
Rig Technician (Note 4)	86	194	31	N/A	N/A	N/A	N/A
Roofer	63	62	61	33	71	65	-8%
Sheet Metal Worker	318	387	235	152	244	300	23%
Sprinkler Systems Installer	67	56	48	36	59	58	-2%
Steamfitter-Pipefitter	810	793	801	446	547	1,078	97%
Tilesetter (Note 5)	3	0	0	0	N/A	N/A	N/A
Transport Refrigeration Technician	23	10	7	3	3	7	133%
Water Well Driller	7	5	5	2	7	12	71%
Welder	1,177	1,260	1,225	621	835	1,513	81%
Welder	1,164	1,228	1,205	609	825	1,499	82%
Wire Processor	13	32	20	12	10	14	40%
TOTAL	12,637	13,760	11,627	7,820	10,950	15,662	43%

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ New apprentices include all apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship program after participating in one or more apprenticeship programs in previous years, or continuing in a different apprenticeship program for which they registered in a previous year. Apprentices who registered in more than one apprenticeship program or branch of a program within a specific year, or who changed from one branch to another branch within the same program on the same day, are counted only once. The number does not include reinstated apprentices (unless reinstated in the same year).

N/A = Not Applicable. Data does not exist in the specified years.

Note 1: In 2022, four of the 238 individuals newly registered in the Auto Body Technician apprenticeship program were registered in more than one branch of the program.

Note 2: Effective April 30, 2020, Barber was designated as a branch of the Hairstylist trade.

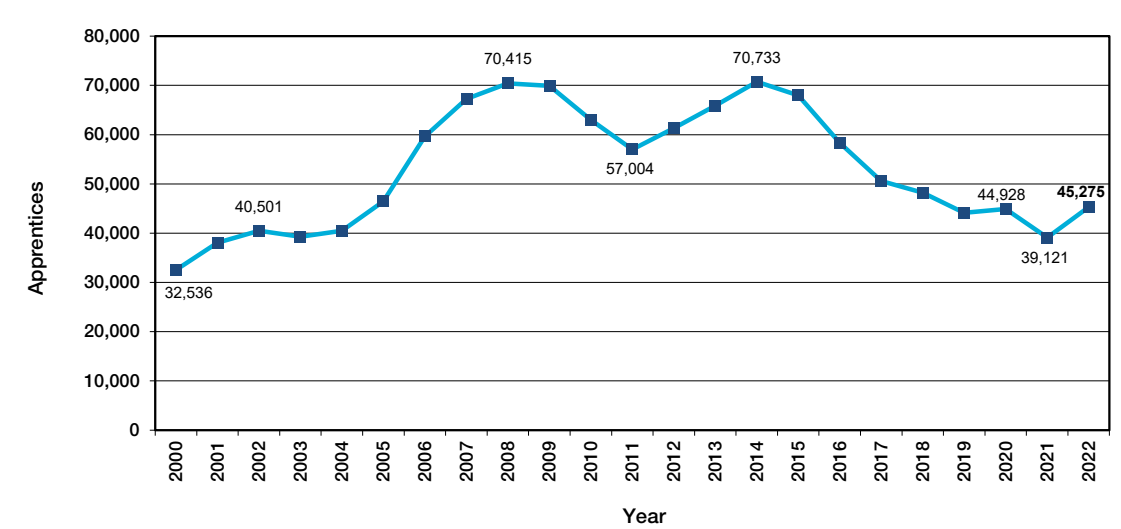
Note 3: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Note 4: A request to de-designate the Rig Technician trade was received from the Canadian Association of Oilwell Drilling Contractors (CAODC) in January 2019. As part of the process to de-designate, active Rig Technician apprentices were notified in advance that their apprenticeship program registration would be cancelled on November 8, 2019. The 31 apprentices with new registrations in 2019 were subsequently cancelled by November 8, 2019. Effective May 1, 2020, the designation of the Rig Technician trade was rescinded.

Note 5: Effective April 30, 2020, the designation of the Tilesetter trade was rescinded.

Chart 2

Total Number of Apprentices Registered by Year¹

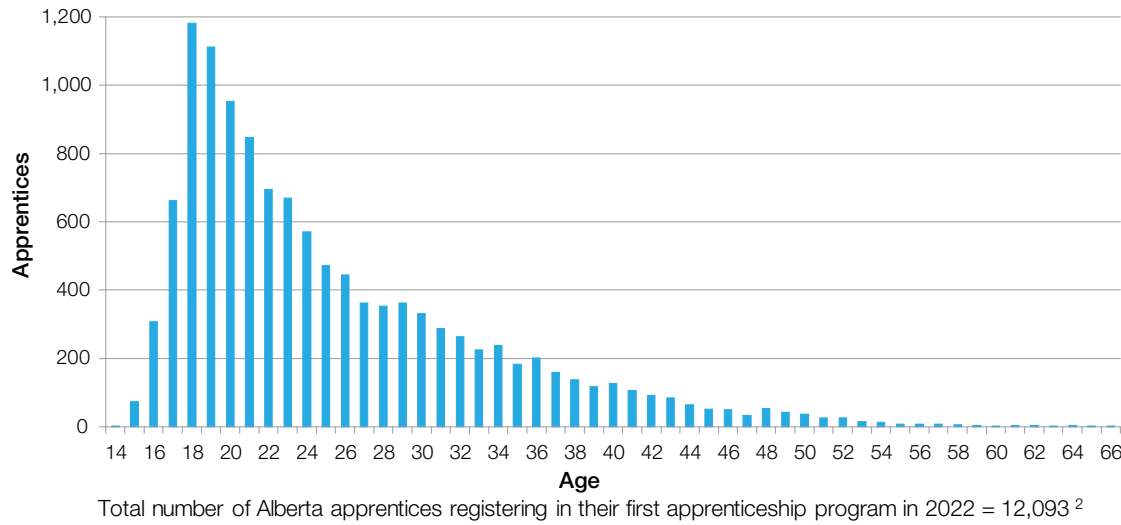


Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ This graph represents statistics covering calendar years (January to December).

Chart 3

Age of Alberta Apprentices on Date of Registration in First Apprenticeship Program, 2022¹



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Age at date of registration.

² The 12,093 total in the chart above includes only individuals registering in their first apprenticeship program in Alberta in 2022. This number differs from the total number of new apprentices registered (15,662) as presented in Table 3. In Table 3, the number of new apprentices registered includes those who are returning to do an additional apprenticeship program after participating in one or more apprenticeship programs in previous years.

Table 4**Total Number of Individuals Certified and Issued Red Seal Endorsements by Trade, 2022¹**

TRADE	Individuals Issued Journeyman Certificates (Note 1)	Individuals Issued Occupation Certificates Jan 1 - July 19 (Note 2)	Apprentices Issued Red Seal Endorsements (Note 3)	Individuals Issued Qualification Certificates (Note 4)	Other Individuals Issued Red Seal Endorsements (Note 5)
Agricultural Equipment Technician	21	N/A	17	1	1
Appliance Service Technician	14	N/A	12	2	0
Appliance Service Technician	13	N/A	12	2	0
Commercial Appliance Service Technician	1	N/A	N/A	0	N/A
Auto Body Technician	86	N/A	68	15	7
Auto Body Technician	54	N/A	16	6	5
Auto Body Prepper	2	N/A	N/A	6	N/A
Auto Body Refinisher	26	N/A	52	3	2
Auto Body Repairer	4	N/A	N/A	0	N/A
Automotive Service Technician	414	N/A	363	30	23
Baker	10	N/A	8	5	6
Boilermaker	40	N/A	31	1	1
Bricklayer	13	N/A	9	0	0
Cabinetmaker	22	N/A	22	0	0
Carpenter	269	N/A	168	9	7
Cathodic Protection Technician T	0	0	N/A	10	N/A
Communication Technician	7	N/A	N/A	0	N/A
Concrete Finisher	0	N/A	0	2	2
Construction Craft Worker T	0	0	2	3	0
Cook	57	N/A	42	42	33
Crane and Hoisting Equipment Operator	161	N/A	63	6	4
Boom Truck Operator	44	N/A	N/A	1	N/A
Mobile Crane Operator	67	N/A	62	2	2
Tower Crane Operator	1	N/A	1	2	2
Wellhead Boom Truck Operator	49	N/A	N/A	1	N/A
Electric Motor Systems Technician	2	N/A	2	0	0
Electrician	1,074	N/A	729	28	23
Elevator Constructor	12	N/A	N/A	6	N/A
Field Heat Treatment Technician T	0	0	N/A	0	N/A
Floorcovering Installer	0	N/A	0	0	0
Gas Utility Operator T	0	28	N/A	2	N/A
Gasfitter	86	N/A	297	18	15
Gasfitter A	59	N/A	24	5	5
Gasfitter B	27	N/A	273	13	10
Glazier	26	N/A	22	0	0
Hairstylist	332	N/A	190	115	53
Barber	21	N/A	N/A	51	N/A
Hairstylist	311	N/A	190	64	53

Table 4 (Cont.)

TRADE	Individuals Issued Journey person Certificates (Note 1)	Individuals Issued Occupation Certificates Jan 1 - July 19 (Note 2)	Apprentices Issued Red Seal Endorsements (Note 3)	Individuals Issued Qualification Certificates (Note 4)	Other Individuals Issued Red Seal Endorsements (Note 5)
Heavy Equipment Technician	743	N/A	540	91	75
Heavy Equipment Technician	422	N/A	N/A	0	N/A
Heavy Duty Equipment Mechanic (Off Road)	145	N/A	235	48	45
Transport Trailer Mechanic	35	N/A	N/A	4	N/A
Truck and Transport Mechanic	141	N/A	305	39	30
Industrial Construction Crew Supervisor T	0	0	N/A	21	N/A
Industrial Mechanic (Millwright)	201	N/A	161	13	12
Instrumentation and Control Technician	139	N/A	84	2	2
Insulator (Heat and Frost)	52	N/A	25	1	1
Ironworker	65	N/A	32	10	7
Ironworker (Generalist) (Note 6)	4	N/A	2	0	0
Ironworker (Metal Building Systems Erector)	6	N/A	N/A	1	N/A
Ironworker (Reinforcing)	17	N/A	11	5	3
Ironworker (Structural/Ornamental)	38	N/A	19	4	4
Landscape Horticulturist	20	N/A	17	0	0
Lather (Interior Systems Mechanic)	1	N/A	1	2	2
Locksmith	12	N/A	N/A	0	N/A
Machinist	47	N/A	31	5	5
Metal Fabricator (Fitter)	2	N/A	2	1	1
Motorcycle Mechanic	9	N/A	9	6	6
Natural Gas Compression Technician	1	N/A	N/A	0	N/A
Oil and Gas Transportation Services T	0	0	N/A	0	N/A
Outdoor Power Equipment Technician	7	N/A	N/A	0	N/A
Power	1	N/A	N/A	0	N/A
Recreational	6	N/A	N/A	0	N/A
Overhead Door Technician T	0	0	N/A	0	N/A
Painter and Decorator	1	N/A	0	5	4
Parts Technician	110	N/A	79	27	21
Parts Technician	108	N/A	79	25	21
Materials Technician	2	N/A	N/A	2	N/A
Plumber	364	N/A	61	13	8
Powerline Technician	51	N/A	48	4	3
Power System Electrician	14	N/A	N/A	1	N/A
Recreation Vehicle Service Technician	13	N/A	12	0	0

Table 4 (Cont.)

TRADE	Individuals Issued Journeyman Certificates (Note 1)	Individuals Issued Occupation Certificates Jan 1- July 19 (Note 2)	Apprentices Issued Red Seal Endorsements (Note 3)	Individuals Issued Qualification Certificates (Note 4)	Other Individuals Issued Red Seal Endorsements (Note 5)
Refrigeration and Air Conditioning Mechanic	100	N/A	79	4	3
Residential Construction Site Manager T	0	0	N/A	2	N/A
Roofer	19	N/A	16	3	3
Sheet Metal Worker	133	N/A	57	1	2
Slickline Services T	0	0	N/A	0	N/A
Snubbing Services T	0	0	N/A	0	N/A
Sprinkler Systems Installer	21	N/A	15	0	0
Steamfitter-Pipefitter	164	N/A	91	15	10
Steel Detailer T	0	0	0	0	0
Transport Refrigeration Technician	1	N/A	N/A	1	N/A
Water Well Driller	0	N/A	N/A	1	N/A
Welder	525	N/A	367	21	19
Welder	518	N/A	367	21	19
Wire Processor	7	N/A	0	0	0
Well Testing Services Supervisor T	0	0	N/A	0	N/A
TOTAL	5,461	28	3,772	545	359

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

[†] Individuals issued more than one certificate in 2022 are counted here only once.

T = Previously designated occupations. With the implementation of the new *Skilled Trades and Apprenticeship Education Act (STAEA)* on July 20, 2022, previously designated occupations became designated trades with no apprenticeship program.

N/A = Not Applicable.

Note 1: Individuals issued Journeyman Certificates in ALL designated trades (both those previously designated and those newly designated under the new *Skilled Trades and Apprenticeship Education Act*). Under STAEA, designated occupations do not exist. As of July 20, 2022, all previous designated occupations have become designated trades. As such, individuals in these newly re-assigned trades are eligible to receive Journeyman Certificates along with individuals in previously designated trades.

Note 2: Prior to the implementation of STAEA (January 1 to July 19, 2022), designated occupations were still in place and individuals were still eligible to receive Occupation Certificates. All individuals issued occupation certificates are counted here.

Note 3: This number includes the number of completed Alberta apprentices issued a red seal endorsement in 2022 regardless of the year the apprentices completed their apprenticeship program.

Note 4: A Qualification Certificate is a certificate issued to individuals who, through an assessment of their prior work experience, knowledge and skills in a designated trade, demonstrate they meet the standards set for certification in Alberta.

Note 5: Red Seal endorsements are also issued to individuals other than those who have completed an Alberta apprenticeship or industry training program. The number includes individuals issued a Red Seal endorsement who were certified through Alberta's Qualification Certificate Program or industry training and certification program, and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.

Note 6: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Table 5Individuals Issued Journeyperson Certificates, Occupation Certificates, and Qualification Certificates¹, Combined, by Trade²

APPRENTICESHIP PROGRAM/TRADE	2017	2018	2019	2020	2021	2022	2021-22 % Change
Agricultural Equipment Technician	33	27	34	19	24	22	-8%
Appliance Service Technician	18	10	12	16	21	16	-24%
Appliance Service Technician	16	8	11	15	17	15	-12%
Commercial Appliance Service Technician	2	2	1	1	4	1	-75%
Auto Body Technician	97	95	107	64	102	101	-1%
Auto Body Technician	55	44	64	39	62	60	-3%
Auto Body Prepper	3	2	4	2	2	8	300%
Auto Body Refinisher	35	37	31	20	30	29	-3%
Auto Body Repairer	4	12	8	3	8	4	-50%
Automotive Service Technician	401	499	486	277	479	444	-7%
Baker	40	32	35	19	44	15	-66%
Boilermaker	71	74	56	37	53	41	-23%
Bricklayer	22	22	23	17	13	13	0%
Cabinetmaker	23	32	30	15	50	22	-56%
Carpenter	377	359	394	229	336	278	-17%
Cathodic Protection Technician T	39	39	28	15	25	10	-60%
Communication Technician	15	7	9	5	10	7	-30%
Concrete Finisher	17	17	10	8	3	2	-33%
Construction Craft Worker T (Note 1)	4	3	3	1	6	3	-50%
Cook	206	176	143	96	162	99	-39%
Crane and Hoisting Equipment Operator	412	293	270	115	207	167	-19%
Boom Truck Operator	111	84	79	33	46	45	-2%
Mobile Crane Operator	207	112	70	55	78	69	-12%
Tower Crane Operator	15	11	16	3	5	3	-40%
Wellhead Boom Truck Operator	79	86	105	24	78	50	-36%
Electric Motor Systems Technician	8	3	6	2	14	2	-86%
Electrician	1,648	1,673	1,570	855	1,127	1,102	-2%
Elevator Constructor	32	39	63	58	27	18	-33%
Field Heat Treatment Technician T	7	10	12	10	6	0	-100%
Floorcovering Installer	3	7	2	1	1	0	-100%
Gas Utility Operator T	20	21	7	9	0	30	N/A
Gasfitter	141	112	103	60	97	104	7%
Gasfitter A	109	86	73	39	59	64	8%
Gasfitter B	32	26	30	21	38	40	5%
Glazier	31	37	31	20	32	26	-19%
Hairstylist	540	562	579	224	472	447	-5%
Barber (Note 2)	N/A	N/A	N/A	0	42	72	71%
Hairstylist	540	562	579	224	430	375	-13%
Heavy Equipment Technician	1,146	938	916	531	812	834	3%
Heavy Equipment Technician	753	569	524	283	404	422	4%
Heavy Duty Equipment Mechanic (Off Road)	155	164	169	110	174	193	11%
Transport Trailer Mechanic	39	37	39	20	60	39	-35%
Truck and Transport Mechanic	199	168	184	118	174	180	3%

Table 5 (Cont.)

APPRENTICESHIP PROGRAM/TRADE	2017	2018	2019	2020	2021	2022	2021-22 % Change
Industrial Construction Crew Supervisor T	202	78	53	27	51	21	-59%
Industrial Mechanic (Millwright)	443	335	274	179	222	214	-4%
Instrumentation and Control Technician	332	259	238	124	201	141	-30%
Insulator (Heat and Frost)	81	92	117	41	90	53	-41%
Ironworker	168	166	146	85	69	75	9%
Ironworker (Generalist) <i>(Note 3)</i>	25	26	24	10	4	4	0%
Ironworker (Metal Building Systems Erector)	14	10	15	4	8	7	-13%
Ironworker (Reinforcing)	27	44	24	22	25	22	-12%
Ironworker (Structural/Ornamental)	102	86	83	49	32	42	31%
Landscape Horticulturist	25	21	30	20	15	20	33%
Lather (Interior Systems Mechanic)	13	16	4	18	3	3	0%
Locksmith	13	17	15	16	15	12	-20%
Machinist	112	74	63	25	69	52	-25%
Metal Fabricator (Fitter)	27	15	8	4	5	3	-40%
Motorcycle Mechanic	23	29	29	15	17	15	-12%
Natural Gas Compression Technician	6	6	6	0	1	1	0%
Oil and Gas Transportation Services T	2	0	0	0	0	0	N/A
Outdoor Power Equipment Technician	8	6	10	8	5	7	40%
Power	4	0	3	4	2	1	-50%
Recreational	4	6	7	4	3	6	100%
Overhead Door Technician T	6	8	3	2	2	0	-100%
Painter and Decorator	24	11	13	5	3	6	100%
Parts Technician	209	180	136	104	170	137	-19%
Parts Technician	191	171	126	99	156	133	-15%
Materials Technician	18	9	10	5	14	4	-71%
Plumber	420	505	522	323	373	377	1%
Powerline Technician	240	155	107	40	74	55	-26%
Power System Electrician	45	44	36	18	28	15	-46%
Recreation Vehicle Service Technician	23	30	17	30	21	13	-38%
Refrigeration and Air Conditioning Mechanic	121	116	127	82	126	104	-17%
Residential Construction Site Manager T	2	1	1	0	0	2	N/A
Rig Technician <i>(Note 4)</i>	54	73	26	3	N/A	N/A	N/A
Rofer	38	41	30	33	28	22	-21%
Sheet Metal Worker	96	113	141	81	99	134	35%
Slickline Services T	0	0	0	0	0	0	N/A
Snubbing Services T	1	0	0	0	0	0	N/A
Sprinkler Systems Installer	37	53	41	20	31	21	-32%
Steamfitter-Pipefitter	844	868	203	70	184	179	-3%
Steel Detailer T	0	0	0	0	0	0	N/A
Tilessetter <i>(Note 5)</i>	1	0	1	0	N/A	N/A	N/A
Transport Refrigeration Technician	5	3	6	1	1	2	100%
Water Well Driller	13	6	5	2	2	1	-50%
Welder	1,305	893	623	385	564	546	-3%
Welder	1,296	889	618	379	558	539	-3%

Table 5 (Cont.)

APPRENTICESHIP PROGRAM/TRADE	2017	2018	2019	2020	2021	2022	2021-22 % Change
Wire Processor	5	4	5	6	6	7	17%
Well Testing Services Supervisor T	4	0	0	0	0	0	N/A
TOTAL	10,294	9,301	7,960	4,464	6,592	6,034	-8%

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Occupation Certificates are included for previously designated occupations from 2017 until July 19, 2022. On July 20, 2022 the new *Skilled Trades and Apprenticeship Education Act (STAEA)* was implemented. Under the new Act, designated occupations no longer exist. All previous designated occupations (marked with **T**) have become designated trades. In 2022, the number of individuals issued certificates combines occupation certificates issued between January 1 and July 19, and Journeyperson certificates issued between July 20 and December 31.

² Individuals issued more than one certificate in each year are counted here only once.

T = Previously designated occupations. With the implementation of the new Skilled Trades and Apprenticeship Education Act (STAEA) on July 20, 2022, previously designated occupations became designated trades with no apprenticeship program.

N/A = Not Applicable. Data is not applicable or does not exist.

Note 1: Effective September 1, 2018, the name of the Construction Craft Labourer occupation was changed to Construction Craft Worker.

Note 2: Effective April 30, 2020, Barber was designated as a branch of the Hairstylist trade.

Note 3: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Note 4: A request to de-designate the Rig Technician trade was received from the Canadian Association of Oilwell Drilling Contractors (CAODC) in January 2019. As part of the process to de-designate, active Rig Technician apprentices were notified in advance that their apprenticeship program registration would be cancelled on November 8, 2019. Effective May 1, 2020, the designation of the Rig Technician trade was rescinded.

Note 5: Effective April 30, 2020, the designation of the Tilesetter trade was rescinded.

Table 6

Total Number of Completed Apprentices Issued Education Credentials¹, 2022²

APPRENTICESHIP PROGRAM	Certificate of Achievement	Certificate	Diploma	Advanced Diploma
Agricultural Equipment Technician	N/A	N/A	N/A	7
Appliance Service Technician	N/A	1	6	N/A
Appliance Service Technician	N/A	N/A	6	N/A
Commercial Appliance Service Technician	N/A	1	N/A	N/A
Auto Body Technician	1	8	12	N/A
Auto Body Technician	N/A	N/A	12	N/A
Auto Body Prepper	1	N/A	N/A	N/A
Auto Body Refinisher	N/A	7	N/A	N/A
Auto Body Repairer	N/A	1	N/A	N/A
Automotive Service Technician	N/A	N/A	N/A	129
Baker	N/A	N/A	3	N/A
Boilermaker	N/A	N/A	5	N/A
Bricklayer	N/A	N/A	2	N/A
Cabinetmaker	N/A	N/A	N/A	5
Carpenter	N/A	N/A	N/A	70
Communication Technician	N/A	N/A	0	N/A
Concrete Finisher	0	N/A	N/A	N/A
Cook	N/A	N/A	15	N/A

Table 6 (Cont.)

APPRENTICESHIP PROGRAM	Certificate of Achievement	Certificate	Diploma	Advanced Diploma
Crane and Hoisting Equipment Operator	38	23	N/A	N/A
Boom Truck Operator	19	N/A	N/A	N/A
Mobile Crane Operator	N/A	23	N/A	N/A
Tower Crane Operator	0	N/A	N/A	N/A
Wellhead Boom Truck Operator	19	N/A	N/A	N/A
Electric Motor Systems Technician	N/A	N/A	N/A	0
Electrician	N/A	N/A	N/A	234
Elevator Constructor	2	N/A	N/A	N/A
Floorcovering Installer	N/A	0	N/A	N/A
Gasfitter	N/A	9	21	N/A
Gasfitter A	N/A	N/A	21	N/A
Gasfitter B	N/A	9	N/A	N/A
Glazier	N/A	N/A	5	N/A
Hairstylist	15	127	N/A	N/A
Barber	15	N/A	N/A	N/A
Hairstylist	N/A	127	N/A	N/A
Heavy Equipment Technician	13	N/A	100	137
Heavy Equipment Technician	N/A	N/A	N/A	137
Heavy Duty Equipment Mechanic (Off Road)	N/A	N/A	58	N/A
Transport Trailer Mechanic	13	N/A	N/A	N/A
Truck and Transport Mechanic	N/A	N/A	42	N/A
Industrial Mechanic (Millwright)	N/A	N/A	N/A	59
Instrumentation and Control Technician	N/A	N/A	N/A	30
Insulator (Heat and Frost)	N/A	16	N/A	N/A
Ironworker	N/A	10	N/A	N/A
Ironworker (Generalist) <i>(Note 1)</i>	N/A	1	N/A	N/A
Ironworker (Metal Building Systems Erector)	N/A	1	N/A	N/A
Ironworker (Reinforcing)	N/A	1	N/A	N/A
Ironworker (Structural/Ornamental)	N/A	7	N/A	N/A
Landscape Horticulturist	N/A	N/A	N/A	7
Lather (Interior Systems Mechanic)	N/A	N/A	0	N/A
Locksmith	N/A	N/A	1	N/A
Machinist	N/A	N/A	N/A	14
Metal Fabricator (Fitter)	N/A	N/A	0	N/A
Motorcycle Mechanic	N/A	N/A	3	N/A
Natural Gas Compression Technician	N/A	N/A	N/A	1
Outdoor Power Equipment Technician	N/A	4	N/A	N/A
Power	N/A	1	N/A	N/A
Recreational	N/A	3	N/A	N/A
Painter and Decorator	N/A	N/A	0	N/A
Parts Technician	N/A	18	N/A	N/A
Parts Technician	N/A	17	N/A	N/A
Materials Technician	N/A	1	N/A	N/A
Plumber	N/A	N/A	N/A	110

Table 6 (Cont.)

APPRENTICESHIP PROGRAM	Certificate of Achievement	Certificate	Diploma	Advanced Diploma
Powerline Technician	N/A	N/A	18	N/A
Power System Electrician	N/A	N/A	N/A	4
Recreation Vehicle Service Technician	N/A	N/A	7	N/A
Refrigeration and Air Conditioning Mechanic	N/A	N/A	N/A	27
Roofer	N/A	2	N/A	N/A
Sheet Metal Worker	N/A	N/A	N/A	22
Sprinkler Systems Installer	N/A	N/A	6	N/A
Steamfitter-Pipefitter	N/A	N/A	N/A	38
Transport Refrigeration Technician	N/A	N/A	0	N/A
Water Well Driller	N/A	0	N/A	N/A
Welder	5	N/A	163	N/A
Welder	N/A	N/A	163	N/A
Wire Processor	5	N/A	N/A	N/A
TOTAL	74	218	367	894

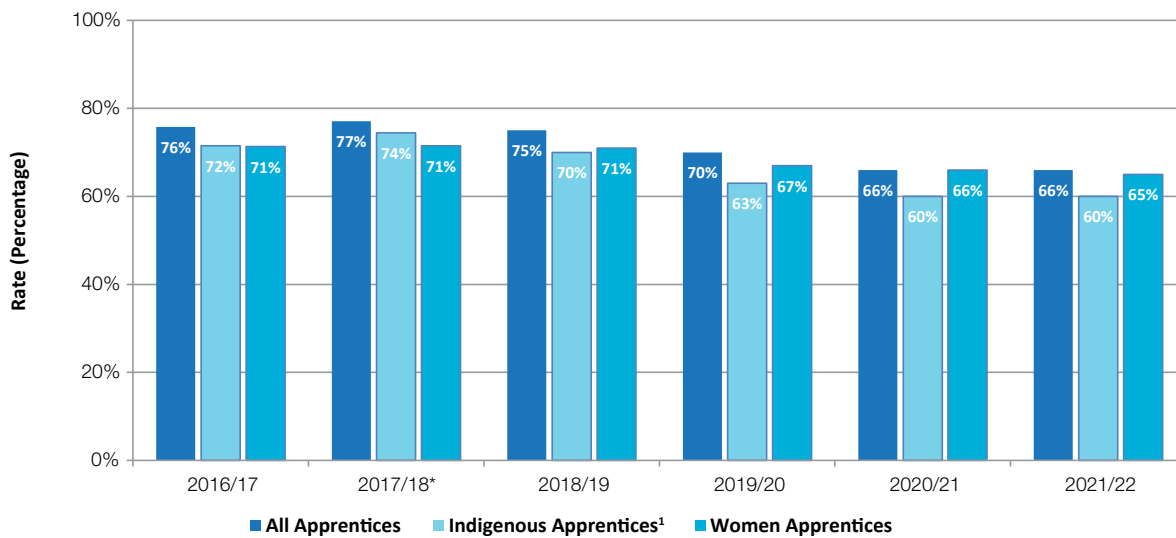
Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Under the new *Skilled Trades and Apprenticeship Education Act (STAEA)*, a new education credential is awarded to Apprenticeship Education Program graduates along with a journeyperson certificate. The education credential is separate from the journeyperson credential, and is a formal acknowledgement that a person has completed a post-secondary program of study. The journeyperson certificate recognizes that someone is a skilled professional who has met the certification standards and is authorized to work in the trade anywhere in Alberta. The four levels of education credential are awarded depending on the length and complexity of the program.

² STAEA was implemented on July 20, 2022 - mid-way through the year. As a result, the data in this table reflects the number of apprenticeship education credentials awarded since that date.

Chart 4

Apprentice Completion Rate by Year



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Apprentices choose whether or not to disclose their Indigenous heritage when registering. The total number of Indigenous apprentices reflected here indicates those who disclosed their Indigenous heritage. There may be additional apprentices with Indigenous heritage registered who did not disclose that information.

Notes:

Year = July 1 to June 30

The cohort of apprentices that is followed are those who have completed all the requirements for the first period of their apprenticeship program (including taking the first period of apprenticeship classroom instruction, on-the-job learning and period exams) and went on to complete their program within two years past the normally expected completion date. Apprentices who challenge the first period exam are not included in the cohort.

* Prior to 2017/18, apprentices who received credit for their first period of classroom instruction were not included in the cohort. As of 2017/18, the completion cohort includes apprentices who received credit for a first period of classroom instruction as a result of completing eligible programs in Career and Technology Studies: Apprenticeship Pathways, pre-employment or certificate/diploma programs. As a result, the 2017/18 completion rates are not comparable with previous years. Apprentices who receive credit comprise approximately 8% of the total cohort.

The completion rate is based on apprenticeship programs that are 2, 3 and 4 years in length combined. One-year programs are excluded.

Table 7**Classroom Instruction Attendance by Institution and School Year¹**

INSTITUTION	2017/18	2018/19	2019/20 ²	2020/21 ²	2021/22 ²	2022/23 ¹ (to date)
Delmar College of Hair Design (Note 1)	67	67	28	79	71	38
Keyano College	569	496	351	456	458	378
Lakeland College	891	756	474	669	652	591
Lethbridge College	836	815	628	827	757	812
MC College (Note 1)	65	73	27	60	55	21
Medicine Hat College	452	343	218	313	287	258
Northern Alberta Institute of Technology	10,350	8,986	5,164	7,522	7,082	6,210
Northern Lakes College	152	98	39	43	44	48
Northwestern Polytechnic (Note 2)	1,067	978	668	1,048	804	742
Olds College	235	222	225	268	278	312
Portage College	66	56	35	48	52	35
Red Deer Polytechnic (Note 3)	2,214	1,848	1,252	1,713	1,584	1,559
Southern Alberta Institute of Technology	6,972	6,337	4,101	5,916	5,538	4,631
Other Providers (Note 4)	397	303	147	164	209	185
TOTAL	24,333	21,378	13,357	19,126	17,871	15,820

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2022/23 school year. The data for this year is the attendance as of April 13, 2023.

² In 2020 and 2021, some classroom instruction was disrupted by the COVID-19 pandemic.

Note 1: Delmar College and MC College (formerly Marvel College) provide classroom instruction for hairstylists. The Hairstylist apprenticeship program is a two-year program.

Note 2: As of March 2022, Grande Prairie Regional College became Northwestern Polytechnic.

Note 3: As of May 2021, Red Deer College became Red Deer Polytechnic.

Note 4: 'Other' providers may not provide apprenticeship classroom instruction every year. Other providers for 2021/22 include:

Alberta Carpenters Training Centre - provides classroom instruction for its carpenters

ATCO Electric - provides classroom instruction for its Powerline Technician apprentices

Edmonton Pipe Trades Educational Trust - provides classroom instruction for its plumbers, steamfitter-pipefitters and welders

Electrical Industry Training Centre - provides training to electrical workers in the IBEW Local 424

Energy Safety Canada - (previously Enform and Petroleum Industry Training Service) provides classroom instruction for the Wellhead Boom Truck branch of the Crane and Hoisting Equipment Operator program

FortisAlberta Inc. - provides classroom instruction for its Powerline Technician apprentices.

Prairie Finishing Trades Institute - provides training for apprentices in the Painter and Decorator trade.

Table 8

Total Number of Apprentices Registered by Apprenticeship Program and Period (or Year) of Classroom Instruction, 2022¹

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Agricultural Equipment Technician	64	27	42	24	22	179
Appliance Service Technician	47	21	17	N/A	11	96
Appliance Service Technician	43	18	17	N/A	7	85
Commercial Appliance Service Technician	4	3	N/A*	N/A	4	11
Auto Body Technician	205	162	81	83	60	591
Auto Body Technician	149	114	70	83	25	441
Auto Body Prepper	18	N/A*	N/A	N/A	20	38
Auto Body Refinisher	22	37	N/A	N/A	13	72
Auto Body Repairer	16	11	11	N/A	2	40
Automotive Service Technician	1,308	708	677	568	221	3,482
Baker	33	27	20	N/A	49	129
Boilermaker	162	128	136	N/A	8	434
Bricklayer	36	6	43	N/A	4	89
Cabinetmaker	73	63	47	61	7	251
Carpenter	1,000	555	395	433	126	2,509
Communication Technician	20	2	0	8	2	32
Concrete Finisher	2	1	N/A	N/A	4	7
Cook	220	89	136	N/A	133	578
Crane and Hoisting Equipment Operator	1,259	N/A & N/A*	300	N/A	167	1,726
Boom Truck Operator	447	N/A	N/A	N/A	33	480
Mobile Crane Operator	243	NA*	300	N/A	35	578
Tower Crane Operator	42	N/A*	N/A	N/A	11	53
Wellhead Boom Truck Operator	527	N/A	N/A	N/A	88	615
Electric Motor Systems Technician	7	5	8	12	1	29
Electrician	2,523	1,604	1,280	1,874	343	7,624
Elevator Constructor	0	0	0	156	22	178
Floorcovering Installer	10	4	N/A	N/A	1	15
Gasfitter	186	214	214	N/A	51	665
Gasfitter A	60	83	214	N/A	37	394
Gasfitter B	126	131	N/A	N/A	14	271
Glazier	42	17	28	46	22	155
Hairstylist	1,381	291	N/A	N/A	1,356	3,028
Barber	158	N/A	N/A	N/A	93	251
Hairstylist	1,223	291	N/A	N/A	1,263	2,777
Heavy Equipment Technician	2,001	1,029	1,184	709	445	5,368
Heavy Equipment Technician	1,323	739	700	709	292	3,763
Heavy Duty Equipment Mechanic (Off Road)	277	112	189	N/A	52	630
Transport Trailer Mechanic	94	N/A*	N/A	N/A	31	125
Truck and Transport Mechanic	307	178	295	N/A	70	850
Industrial Mechanic (Millwright)	742	397	270	295	97	1,801
Instrumentation and Control Technician	372	184	142	170	200	1,068
Insulator (Heat and Frost)	131	42	103	N/A	14	290

Table 8 (Cont.)

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Ironworker	568	154	79	8	16	825
Ironworker (Generalist) (Note 2)	1	N/A	N/A	8	N/A	9
Ironworker (Metal Building Systems Erector)	34	14	N/A	N/A	3	51
Ironworker (Reinforcing)	342	74	N/A	N/A	2	418
Ironworker (Structural/Ornamental)	191	66	79	N/A	11	347
Landscape Horticulturist	47	31	22	16	14	130
Lather (Interior Systems Mechanic)	5	0	11	N/A	N/A	16
Locksmith	58	36	24	N/A	2	120
Machinist	151	64	119	67	36	437
Metal Fabricator (Fitter)	23	4	13	N/A	5	45
Motorcycle Mechanic	65	49	12	45	9	180
Natural Gas Compression Technician	0	0	0	2	N/A	2
Outdoor Power Equipment Technician	23	3	10	N/A	12	48
Power	7	1	5	N/A	9	22
Recreational	16	2	5	N/A	3	26
Painter and Decorator	20	14	5	N/A	2	41
Parts Technician	359	243	203	N/A	27	832
Parts Technician	337	228	189	N/A	22	776
Materials Technician	22	15	14	N/A	5	56
Plumber	909	584	531	608	112	2,744
Powerline Technician	135	109	83	N/A*	38	365
Power System Electrician	23	12	41	15	17	108
Recreation Vehicle Service Technician	97	35	15	N/A	21	168
Refrigeration and Air Conditioning Mechanic	320	296	269	215	59	1,159
Roofer	59	61	53	N/A*	17	190
Sheet Metal Worker	395	172	196	251	42	1,056
Sprinkler Systems Installer	77	55	43	N/A*	13	188
Steamfitter-Pipefitter	1,352	372	433	460	61	2,678
Transport Refrigeration Technician	8	2	5	N/A	N/A	15
Water Well Driller	18	6	N/A	N/A	1	25
Welder	1,685	718	934	N/A	242	3,579
Welder	1,662	718	934	N/A	237	3,551
Wire Processor	23	N/A*	N/A	N/A	5	28
TOTAL	18,221	8,596	8,220	6,126	4,112	45,275

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ These statistics are as of December 31, 2022.

N/A = Not all trades have four periods as part of the apprenticeship program. The N/As indicate where there is no period in that program.

N/A* = The number of periods of an apprenticeship program does not always equal the number of periods of classroom instruction required. N/A* indicates where there is a period in the apprenticeship program but no classroom instruction is required in that period.

Note 1: 'CI Completed' counts apprentices who have completed, or who have been granted credit for, all classroom instruction (CI) requirements in their apprenticeship program. Industry examination and/or work experience/on-the-job learning requirements for the apprenticeship program have yet to be successfully completed.

Note 2: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Table 9

Number of Apprentices Registered, Certified and Attending Classroom Instruction by Apprenticeship and Industry Training Office, 2022¹

OFFICE/REGION	Total Apprentices Registered	New Apprentices Registered	Individuals Issued Journey person Certificates	Classroom Instruction Attendance ² (Note 3)
Bonnyville	796	274	81	315
Calgary	13,211	4,545	1,158	4,790
Edmonton	17,742	6,110	2,991	7,559
Fort McMurray	1,521	614	146	575
Grande Prairie	2,621	933	181	730
Hinton	1,095	372	72	421
Lethbridge	1,933	657	175	743
Medicine Hat	1,002	343	101	420
Peace River	618	206	58	247
Red Deer	3,317	1,122	317	1,217
Slave Lake	621	221	71	281
Vermilion	798	265	100	370
Total - Office Regions	45,275	15,662	5,451	17,668
Interprovincial - Classroom Instruction Only (Note 1)	N/A	N/A	N/A	320
Interprovincial/International - Classroom Instruction and Certification (Note 2)	0	0	10	12
Total - Other	0	0	10	332
TOTAL	45,275	15,662	5,461	18,000

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ This table represents statistics covering the January to December 2022 calendar year. Classroom instruction in Table 7 is reported as school year. For this table only, the classroom instruction statistics cover the calendar year for comparability within this table.

² Attendance reflects the number of classroom instruction seats occupied.

Note 1: Alberta provides classroom instruction for apprentices from other Canadian provinces and territories where the apprenticeship program is designated but the jurisdictions are unable to provide classroom instruction due to small apprentice registration numbers. Alberta does not issue these individuals a certificate. They are not counted in any of the tables or charts reflecting the number of registered Alberta apprentices.

Note 2: Alberta registers apprentices and provides classroom instruction to people from jurisdictions where no apprenticeship program exists. Alberta issues a certificate on completion of the program.

Note 3: Not all apprentices attend classroom instruction in any given year. The reasons for not attending may include:

- Some apprentices are graduates of accredited post-secondary technical programs or have completed an apprenticeship program in another trade and have received credit for their classroom instruction.
- Some have successfully completed all of the classroom instruction and have only the required on-the-job learning to complete before being eligible to be certified.
- Some prefer to obtain the study material (ILMs – individual learning modules) and learn at their own pace, and then challenge the industry exam.
- Some are in the Registered Apprenticeship Program (RAP) and attending high school and are not able to attend classroom instruction.

Table 10**Sponsorship Status of Apprentices Registered by Apprenticeship Program, 2022^{1,2}**

APPRENTICESHIP PROGRAM	As of December 31, 2022	Post-STAEA Implementation		Pre-STAEA Implementation
	Total Registered	Apprentices With Sponsors (%) (Note 1)	Apprentices Without Sponsors (%) (Note 2)	Apprentices With/Without Employer Contracts (%) (Note 3)
Agricultural Equipment Technician	179	17%	3%	80%
Appliance Service Technician	96	17%	5%	78%
Appliance Service Technician	85	18%	6%	76%
Commercial Appliance Service Technician	11	9%	0%	91%
Auto Body Technician	591	17%	9%	73%
Auto Body Technician	441	14%	10%	76%
Auto Body Prepper	38	32%	3%	66%
Auto Body Refinisher	72	31%	3%	67%
Auto Body Repairer	40	23%	18%	60%
Automotive Service Technician	3,482	14%	5%	81%
Baker	129	10%	5%	85%
Boilermaker	434	17%	2%	81%
Bricklayer	89	16%	1%	83%
Cabinetmaker	251	16%	4%	81%
Carpenter	2,509	14%	4%	82%
Communication Technician	32	13%	13%	75%
Concrete Finisher	7	0%	0%	100%
Cook	578	15%	3%	83%
Crane and Hoisting Equipment Operator	1,726	15%	3%	82%
Boom Truck Operator	480	13%	1%	86%
Mobile Crane Operator	578	19%	4%	76%
Tower Crane Operator	53	11%	15%	74%
Wellhead Boom Truck Operator	615	14%	1%	85%
Electric Motor Systems Technician	29	0%	0%	100%
Electrician	7,624	14%	4%	82%
Elevator Constructor	178	8%	1%	91%
Floorcovering Installer	15	13%	7%	80%
Gasfitter	665	16%	2%	82%
Gasfitter A	394	17%	2%	81%
Gasfitter B	271	15%	2%	82%
Glazier	155	10%	1%	89%
Hairstylist	3,028	9%	3%	89%
Barber	251	18%	6%	77%
Hairstylist	2,777	8%	2%	90%

Table 10 (Cont.)

APPRENTICESHIP PROGRAM	As of December 31, 2022	Post-STAEA Implementation		Pre-STAEA Implementation
	Total Registered	Apprentices With Sponsors (%) (Note 1)	Apprentices Without Sponsors (%) (Note 2)	Apprentices With/Without Employer Contracts (%) (Note 3)
Heavy Equipment Technician	5,368	16%	5%	79%
Heavy Equipment Technician	3,763	15%	5%	81%
Heavy Duty Equipment Mechanic (Off Road)	630	19%	10%	71%
Transport Trailer Mechanic	125	37%	2%	61%
Truck and Transport Mechanic	850	18%	4%	79%
Industrial Mechanic (Millwright)	1,801	20%	4%	76%
Instrumentation and Control Technician	1,068	16%	4%	80%
Insulator (Heat and Frost)	290	15%	6%	79%
Ironworker	825	23%	2%	75%
Ironworker (Generalist) (Note 4)	9	0%	0%	100%
Ironworker (Metal Building Systems Erector)	51	25%	6%	69%
Ironworker (Reinforcing)	418	22%	1%	76%
Ironworker (Structural/Ornamental)	347	23%	3%	74%
Landscape Horticulturist	130	10%	1%	89%
Lather (Interior Systems Mechanic)	16	0%	0%	100%
Locksmith	120	20%	1%	79%
Machinist	437	15%	4%	81%
Metal Fabricator (Fitter)	45	16%	4%	80%
Motorcycle Mechanic	180	24%	3%	73%
Natural Gas Compression Technician	2	0%	0%	100%
Outdoor Power Equipment Technician	48	15%	6%	79%
Power	22	14%	5%	82%
Recreational	26	15%	8%	77%
Painter and Decorator	41	37%	5%	59%
Parts Technician	832	16%	2%	82%
Parts Technician	776	16%	2%	82%
Materials Technician	56	13%	4%	84%
Plumber	2,744	14%	2%	84%
Powerline Technician	365	16%	6%	78%
Power System Electrician	108	22%	3%	75%
Recreation Vehicle Service Technician	168	18%	2%	80%
Refrigeration and Air Conditioning Mechanic	1,159	14%	4%	82%
Roofer	190	19%	1%	81%
Sheet Metal Worker	1,056	14%	1%	85%
Sprinkler Systems Installer	188	12%	3%	86%
Steamfitter-Pipefitter	2,678	21%	8%	70%
Transport Refrigeration Technician	15	33%	0%	67%

Table 10 (Cont.)

APPRENTICESHIP PROGRAM	As of December 31, 2022	Post-STAEA Implementation		Pre-STAEA Implementation
	Total Registered	Apprentices With Sponsors (%) (Note 1)	Apprentices Without Sponsors (%) (Note 2)	Apprentices With/Without Employer Contracts (%) (Note 3)
Water Well Driller	25	40%	0%	60%
Welder	3,579	20%	5%	75%
Welder	3,551	20%	5%	75%
Wire Processor	28	14%	7%	79%
TOTAL	45,275	16%	4%	80%

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Total number of apprentices registered as of December 31. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year, but are counted here only once.

² Under the new *Skilled Trades and Apprenticeship Education Act (STAEA)*, implemented on July 20, 2022, sponsors take on the responsibilities and obligations previously held by employers, including ensuring apprentices are receiving quality on-the-job instruction and the assessments required for the apprenticeship programs.

N/A = Not Applicable.

Note 1: This reflects the number of apprentices registered on or after July 20, 2022 who registered with a sponsor.

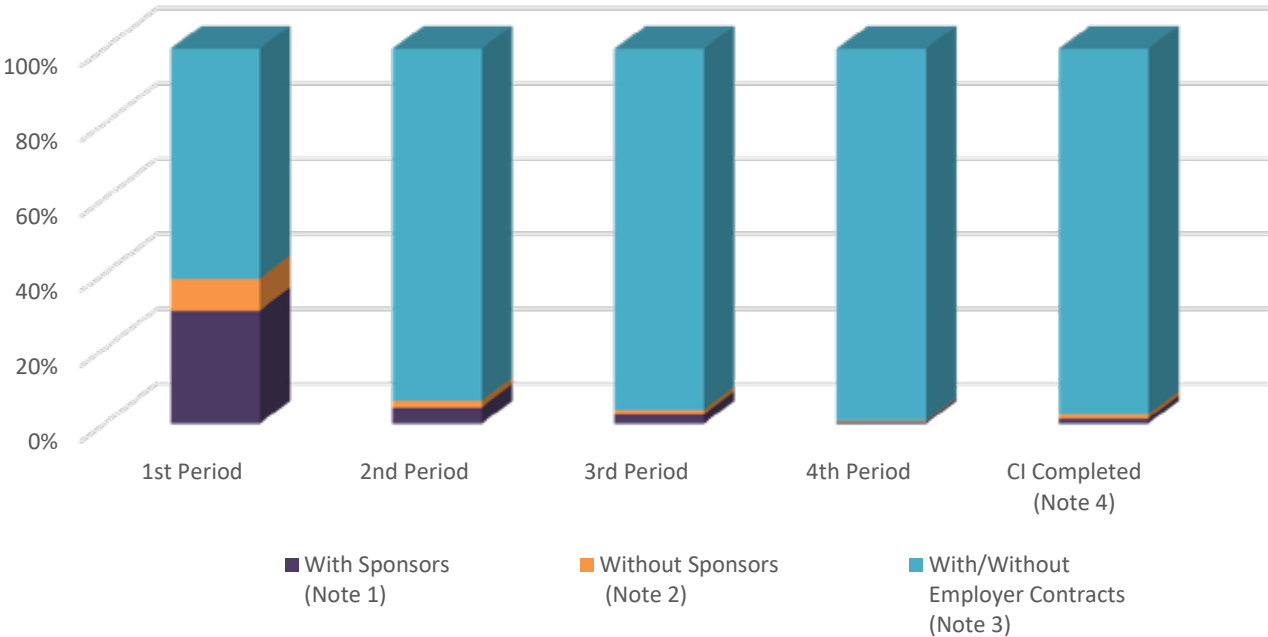
Note 2: This reflects the number of apprentices registered on or after July 20, 2022 who registered without a sponsor.

Note 3: This reflects the number of apprentices registered prior to July 20, 2022 who registered under a contract with an employer and who registered with the Executive Director of Apprenticeship (i.e., with no employer contract).

Note 4: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Chart 5

Sponsorship Status of Apprentices Registered by Period of Classroom Instruction, 2022^{1,2}



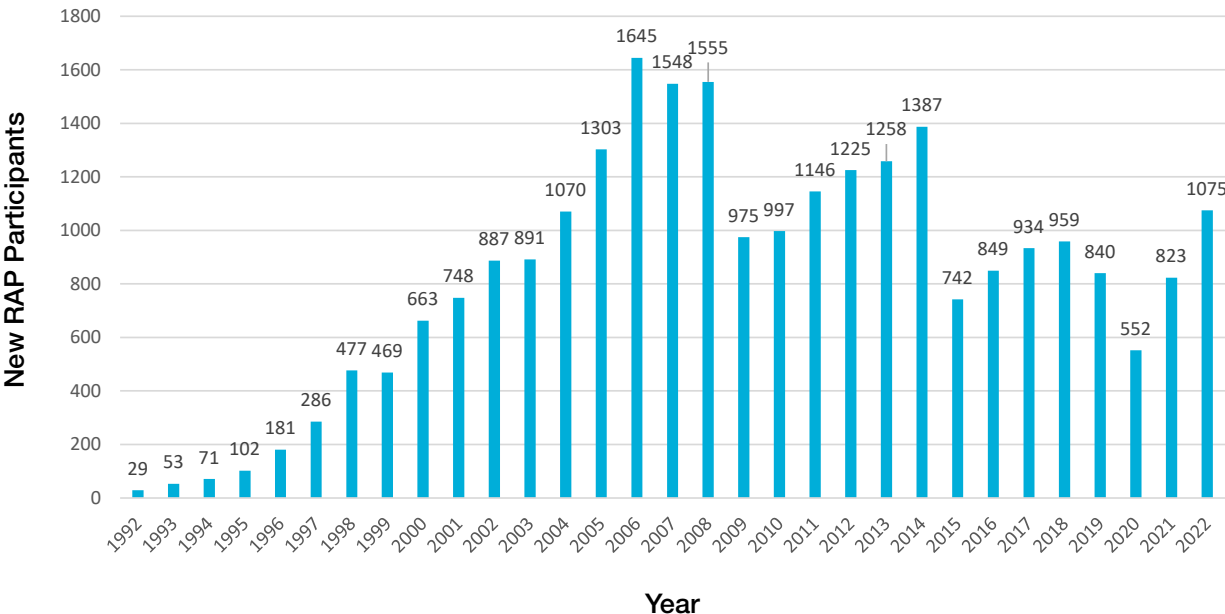
Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ This graph represents statistics as of December 31, 2022.
² Under the new *Skilled Trades and Apprenticeship Education Act (STAEA)*, implemented on July 20, 2022, sponsors take on the responsibilities and obligations previously held by employers, including ensuring apprentices are receiving quality on-the-job instruction and the assessments required for the apprenticeship programs.

- Note 1:** This reflects the number of apprentices registered on or after July 20, 2022 who registered with a sponsor.
- Note 2:** This reflects the number of apprentices registered on or after July 20, 2022 who registered without a sponsor.
- Note 3:** This reflects the number of apprentices registered prior to July 20, 2022 who registered under a contract with an employer and who registered with the Executive Director of Apprenticeship (i.e., with no employer contract).
- Note 4:** 'CI Completed' counts apprentices who have completed, or who have been granted credit for, all classroom instruction (CI) requirements in their apprenticeship program. Industry examination and/or work experience/on-the-job learning requirements for the apprenticeship program have yet to be successfully completed.

Chart 6

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year¹



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ This graph represents statistics covering calendar years (January to December).

Table 11**Number of Participants in the Registered Apprenticeship Program (RAP) by Apprenticeship Program¹, 2022**

APPRENTICESHIP PROGRAM	High School	Full Time	Certified (Note 1)
Agricultural Equipment Technician	20	35	83
Appliance Service Technician	0	1	6
Appliance Service Technician	0	1	6
Commercial Appliance Service Technician	0	0	0
Auto Body Technician	33	50	138
Auto Body Technician	28	50	55
Auto Body Prepper	2	0	0
Auto Body Refinisher	2	0	47
Auto Body Repairer	1	0	36
Automotive Service Technician	127	269	708
Baker	5	9	20
Boilermaker	0	0	1
Bricklayer	2	1	19
Cabinetmaker	9	10	60
Carpenter	72	170	406
Communication Technician	3	4	2
Concrete Finisher	0	1	8
Cook	36	49	105
Crane and Hoisting Equipment Operator	3	5	30
Boom Truck Operator	1	2	10
Mobile Crane Operator	2	3	19
Tower Crane Operator	0	0	1
Wellhead Boom Truck Operator	0	0	0
Electric Motor Systems Technician	3	3	0
Electrician	125	337	866
Elevator Constructor	0	0	0
Floorcovering Installer	4	1	4
Gasfitter	6	5	11
Gasfitter A	3	2	10
Gasfitter B	3	3	1
Glazier	6	1	14
Hairstylist	41	146	717
Barber	3	5	0
Hairstylist	38	141	717
Heavy Equipment Technician	270	555	983
Heavy Equipment Technician	216	489	60
Heavy Duty Equipment Mechanic (Off Road)	25	20	14
Transport Trailer Mechanic	3	7	8
Truck and Transport Mechanic	26	39	45
Industrial Mechanic (Millwright)	27	88	201
Instrumentation and Control Technician	7	32	162
Insulator (Heat and Frost)	4	1	2

Table 11 (Cont.)

APPRENTICESHIP PROGRAM	High School	Full Time	Certified (Note 1)
Ironworker	7	13	8
Ironworker (Generalist) (Note 2)	0	0	3
Ironworker (Metal Building Systems Erector)	1	3	2
Ironworker (Reinforcing)	4	8	0
Ironworker (Structural/Ornamental)	2	2	3
Landscape Horticulturist	7	11	9
Lather (Interior Systems Mechanic)	3	1	6
Locksmith	0	1	4
Machinist	13	19	74
Metal Fabricator (Fitter)	1	3	8
Motorcycle Mechanic	7	14	39
Natural Gas Compression Technician	0	0	1
Outdoor Power Equipment Technician	9	5	13
Power	4	0	2
Recreational	5	5	11
Painter and Decorator	4	1	6
Parts Technician	14	23	108
Parts Technician	14	23	107
Materials Technician	0	0	1
Plumber	39	115	240
Powerline Technician	8	6	36
Power System Electrician	0	0	0
Recreational Vehicle Service Technician	6	12	11
Refrigeration and Air Conditioning Mechanic	5	28	33
Roofer	4	2	6
Sheet Metal Worker	18	37	53
Sprinkler Systems Installer	0	3	15
Steamfitter-Pipefitter	18	21	75
Tilesetter (Note 3)	0	0	3
Transport Refrigeration Mechanic	1	0	4
Water Well Driller	2	0	5
Welder	135	229	1,296
Welder	135	229	1,296
Wire Processor	0	0	0
TOTAL	1,104	2,317	6,599

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Total number as of December 31, 2022.

High School = RAP participants currently in high school.

Full Time = RAP participants who have completed high school and are now full time apprentices.

Certified = Apprentices who began in RAP, have completed their apprenticeship program and are now certified tradespeople.

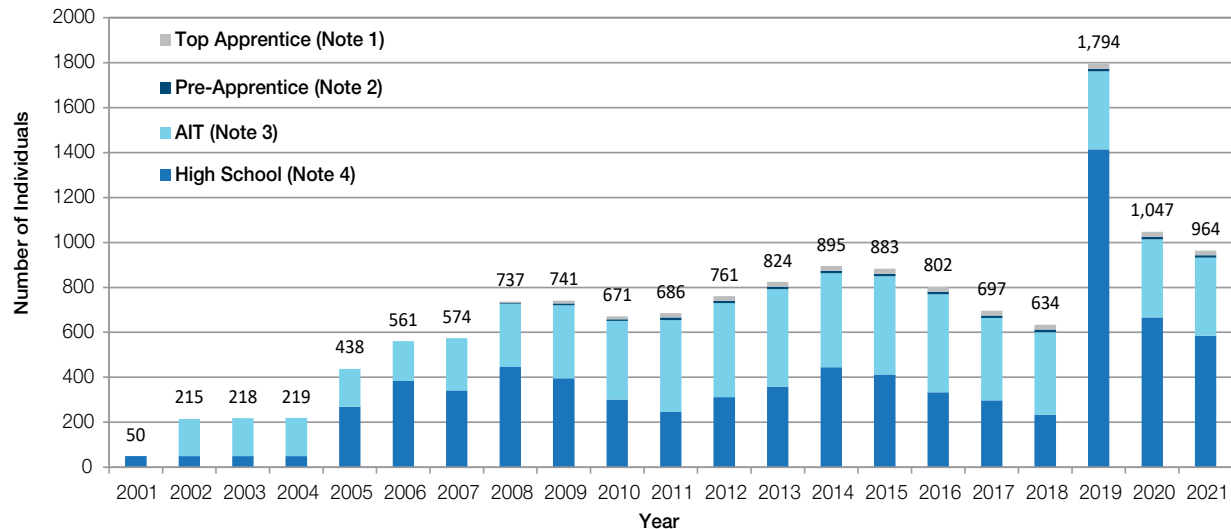
Note 1: Total number of RAP participants certified since inception of program (1992).

Note 2: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Note 3: Effective April 30, 2020, the designation of the Tilesetter trade was rescinded.

Chart 7

Total Number of Individuals Awarded Scholarships by Year¹



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ 2022 Scholarships were awarded late as result of many changes resulting from the implementation of the new *Skilled Trades and Apprenticeship Education Act*, and are therefore not reflected in this table. Scholarships for both 2022 and 2023 will be included in the 2023 Statistical Profiles.

- Note 1:** There are currently 22 Top Apprentice Scholarships of \$1,500 available each year. The first year the scholarships were awarded was 2008. Top Apprentice Scholarships are awarded to apprentices who achieved a very high academic standing in their classroom instruction.
- Note 2:** There are currently 11 Pre-Apprentice Scholarships of \$1,000 available each year. The first year the scholarships were awarded was 2008. Pre-Apprenticeship Scholarships are awarded to individuals who have completed a pre-apprentice program and have since become registered apprentices. Recipients are selected based on their marks.
- Note 3:** There are 347 Apprenticeship and Industry Training (AIT) Scholarships of \$1,000 available each year. In prior years, there were a minimum of 357 AIT Scholarships available each year; the exact number varied based on the value of the endowment fund. The first year the scholarships were awarded was 2002. AIT Scholarships are awarded to registered apprentices who are continuing in, and working toward, completing their apprenticeship program. Recipients are selected based on their marks.
- Note 4:** Under the *High School Apprenticeship Scholarship program*, 1,500 scholarships are available each year. There are two types of scholarships: 1) *High School Apprenticeship Scholarship (HSAS)* valued at \$1,000, for students who have successfully completed either the Registered Apprenticeship Program (RAP) or a Career and Technology Studies (CTS) Apprenticeship Pathways program; and 2) *High School Apprenticeship Scholarship – Bright Future (HSAS-BF)* valued at \$2,000, for students who have successfully completed both RAP and a CTS Apprenticeship Pathway. In 2021, 576 HSAS and 9 HSAS-BF were awarded, totalling 585 scholarships.

In 2019, the *High School Apprenticeship Scholarship program*, valued at \$1,000, replaced the scholarship previously known as the *Registered Apprentice Program/Career and Technology Studies Apprenticeship Pathways (RAP/CTS) scholarship*. For the years 2001 to 2004, there were 50 RAP/CTS Scholarships available. From 2005 to 2018, 500 RAP/CTS Scholarships were available each year.

For more information on scholarships, go to: tradesecrets.alberta.ca

Table 12**Number of Apprentices Registered by Apprenticeship Program - Total, Indigenous and Women, 2022¹**

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered (Note 1)	Women Apprentices Registered
Agricultural Equipment Technician	179	4	6
Appliance Service Technician	96	2	3
Appliance Service Technician	85	2	3
Commercial Appliance Service Technician	11	0	0
Auto Body Technician	591	26	75
Auto Body Technician	441	23	50
Auto Body Prepper	38	1	7
Auto Body Refinisher	72	2	15
Auto Body Repairer	40	0	3
Automotive Service Technician	3,482	168	156
Baker	129	10	108
Boilermaker	434	26	36
Bricklayer	89	1	6
Cabinetmaker	251	11	53
Carpenter	2,509	229	180
Communication Technician	32	0	3
Concrete Finisher	7	0	0
Cook	578	51	239
Crane and Hoisting Equipment Operator	1,726	78	40
Boom Truck Operator	480	34	12
Mobile Crane Operator	578	32	27
Tower Crane Operator	53	0	0
Wellhead Boom Truck Operator	615	12	1
Electric Motor Systems Technician	29	4	0
Electrician	7,624	410	502
Elevator Constructor	178	6	4
Floorcovering Installer	15	1	1
Gasfitter	665	26	18
Gasfitter A	394	15	14
Gasfitter B	271	11	4
Glazier	155	6	10
Hairstylist	3,028	208	2,482
Barber	251	15	58
Hairstylist	2,777	193	2,424
Heavy Equipment Technician	5,368	341	207
Heavy Equipment Technician	3,763	244	159
Heavy Duty Equipment Mechanic (Off Road)	630	55	27
Transport Trailer Mechanic	125	6	1
Truck and Transport Mechanic	850	36	20
Industrial Mechanic (Millwright)	1,801	139	94
Instrumentation and Control Technician	1,068	54	63
Insulator (Heat and Frost)	290	18	45

Table 12 (Cont.)

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered (Note 1)	Women Apprentices Registered
Ironworker	825	203	49
Ironworker (Generalist) (Note 2)	9	1	0
Ironworker (Metal Building Systems Erector)	51	4	1
Ironworker (Reinforcing)	418	150	34
Ironworker (Structural/Ornamental)	347	48	14
Landscape Horticulturist	130	5	53
Lather (Interior Systems Mechanic)	16	2	1
Locksmith	120	3	6
Machinist	437	17	22
Metal Fabricator (Fitter)	45	1	4
Motorcycle Mechanic	180	10	14
Natural Gas Compression Technician	2	1	0
Outdoor Power Equipment Technician	48	4	2
Power	22	3	2
Recreational	26	1	0
Painter and Decorator	41	0	12
Parts Technician	832	44	351
Parts Technician	776	40	320
Materials Technician	56	4	21
Plumber	2,744	206	121
Powerline Technician	365	38	9
Power System Electrician	108	6	1
Recreation Vehicle Service Technician	168	9	20
Refrigeration and Air Conditioning Mechanic	1,159	60	30
Roofer	190	14	7
Sheet Metal Worker	1,056	63	37
Sprinkler Systems Installer	188	8	8
Steamfitter-Pipefitter	2,678	202	239
Transport Refrigeration Technician	15	0	0
Water Well Driller	25	3	0
Welder	3,579	311	390
Welder	3,551	310	390
Wire Processor	28	1	0
TOTAL	45,275	3,029	5,707

Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

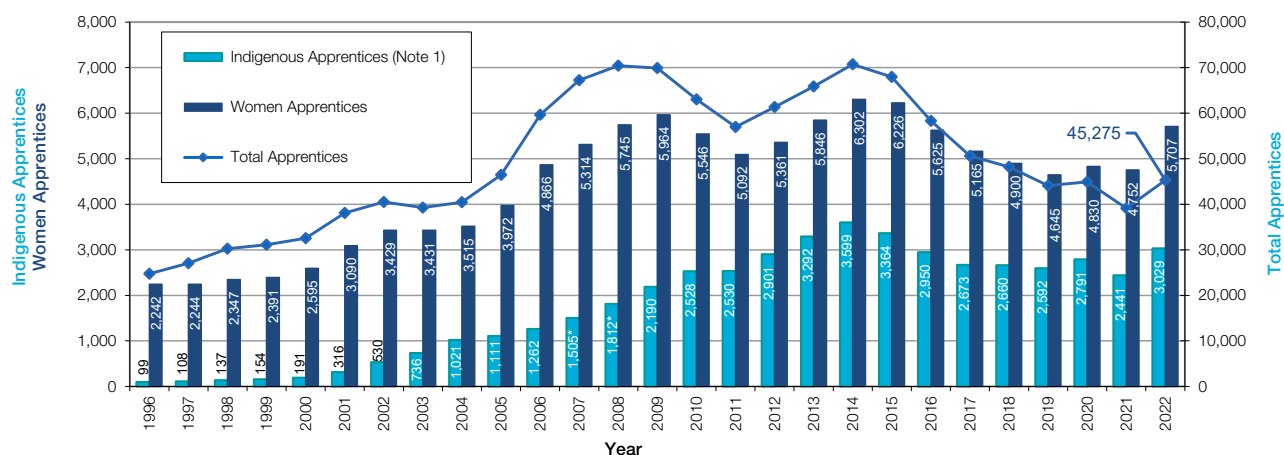
¹ Total number of apprentices registered as of December 31, 2022. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year, but are counted here only once.

Note 1: Apprentices choose whether or not to disclose their Indigenous heritage when registering. The total number of Indigenous apprentices reflected here indicates those who disclosed their Indigenous heritage. There may be additional apprentices with Indigenous heritage registered who did not disclose that information.

Note 2: Effective September 1, 2017, the designation of the Generalist branch of the Ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

Chart 8

Total, Women and Indigenous Apprentices Registered by Year



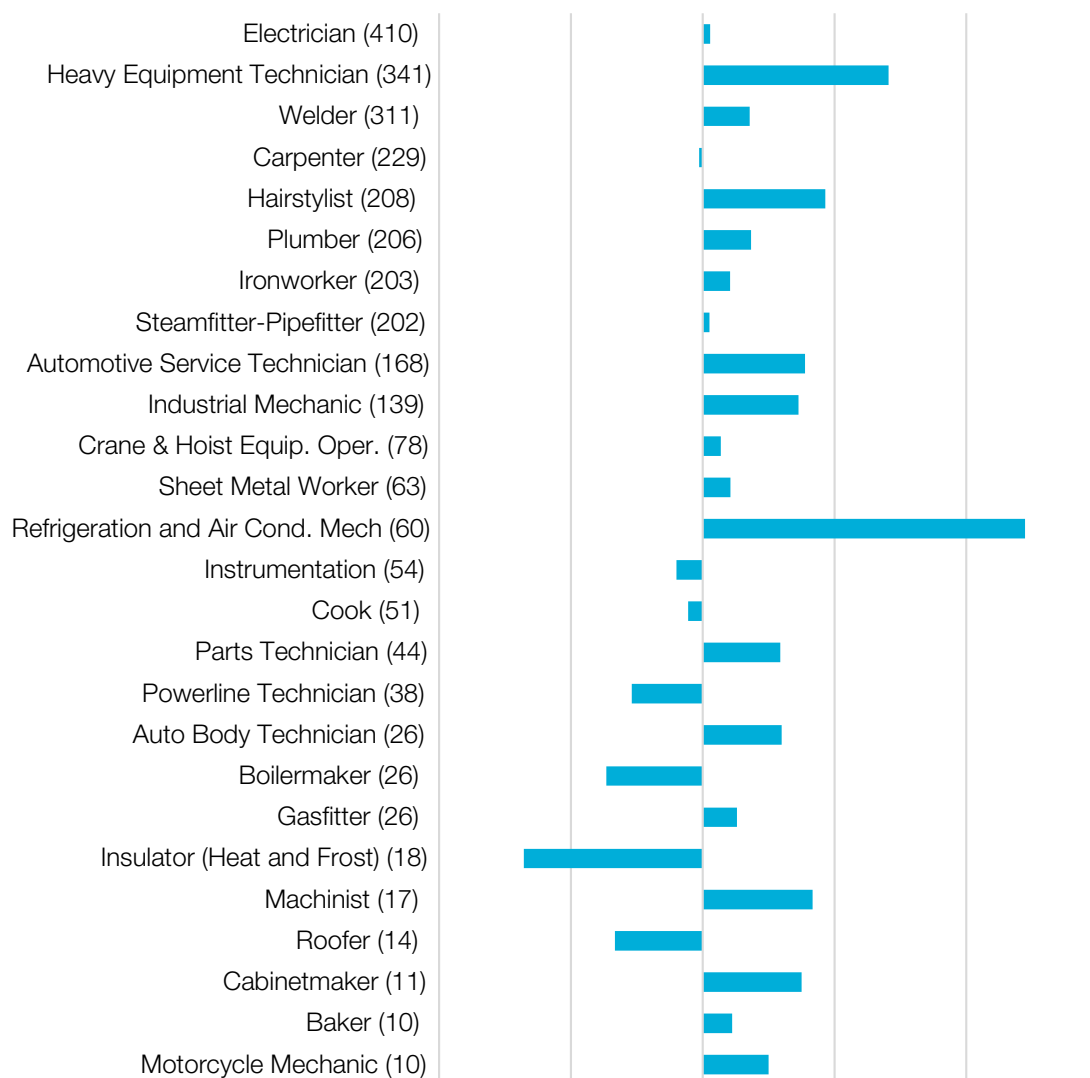
Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

Note 1: Apprentices choose whether or not to disclose their Indigenous heritage when registering. The total number of Indigenous apprentices reflected here indicates those who disclosed their Indigenous heritage. There may be additional apprentices with Indigenous heritage registered who did not disclose that information.

* In 2007 and 2008, the statistical methodology for the Indigenous apprentice number changed, therefore, the numbers in those two years cannot be compared to those of previous or subsequent years.

Chart 9

Percentage Change of Indigenous Apprentices Registered¹ by Apprenticeship Program Between 2017 and 2022



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

¹ Apprentices choose whether or not to disclose their Indigenous heritage when registering. The total number of Indigenous apprentices reflected here indicates those who disclosed their Indigenous heritage. There may be additional apprentices with Indigenous heritage registered who did not disclose that information.

Notes:

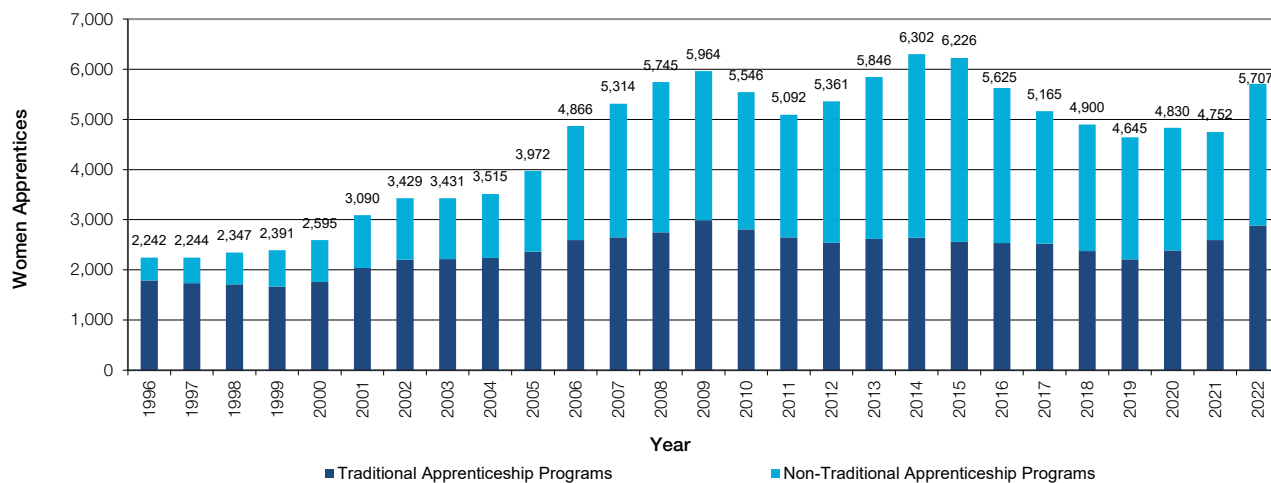
The 26 of 47 apprenticeship programs represented in the chart are those in which there were the highest number of Indigenous apprentices registered in the associated apprenticeship programs as of December 31, 2022. The list of designated trades is ordered from the highest to the lowest number of Indigenous apprentices registered.

The 'n' provided is the number of Indigenous apprentices registered in the associated apprenticeship programs as of December 31, 2022.

Due to small registration numbers in some apprenticeship programs, large percentage changes may occur.

Chart 10

Total Number of Women Apprentices Registered by Year¹



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

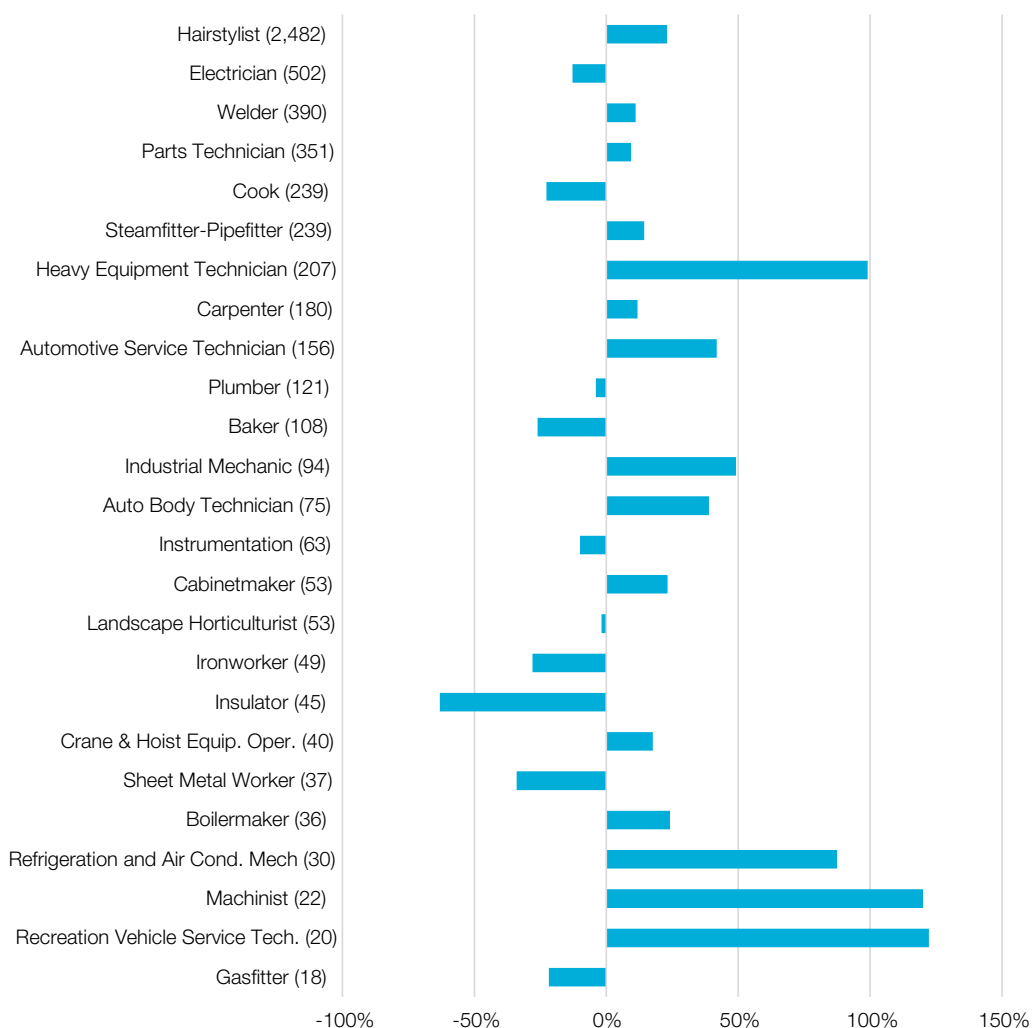
¹ This graph represents statistics covering calendar years (January to December).

Traditional Apprenticeship Programs = Apprenticeship programs that are gender-biased toward women. They are programs in which women have traditionally made up a large proportion of the total apprentices registered. These apprenticeship programs are: baker, cook, hairstylist, landscape horticulturist.

Non-Traditional Apprenticeship Programs = All apprenticeship programs other than the four 'Traditional Apprenticeship Programs'.

Chart 11

Percentage Change of Women Apprentices Registered by Apprenticeship Program Between 2017 and 2022



Source: Alberta Advanced Education, Alberta Skilled Trades and Professions

Notes:

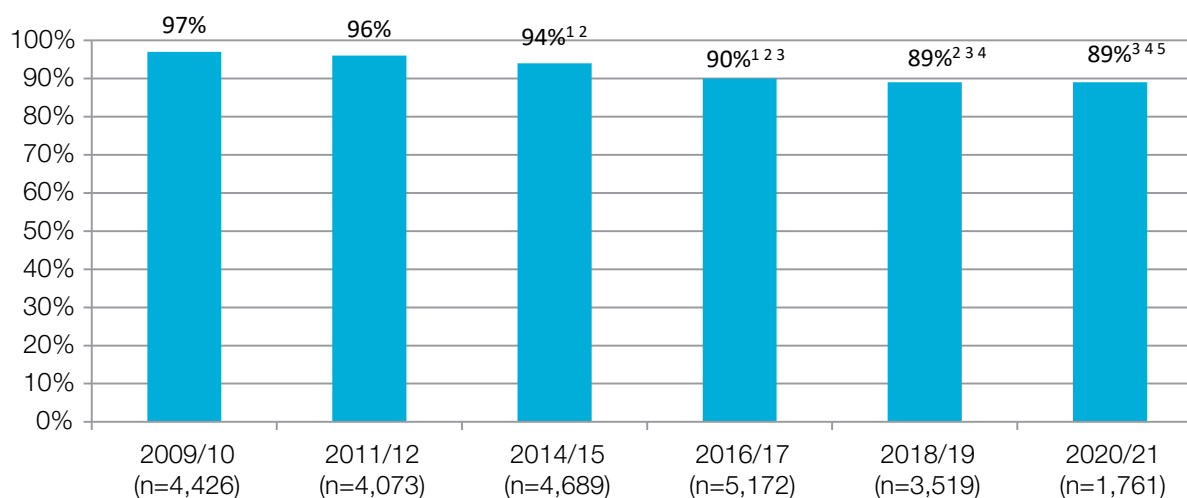
The 25 of 47 apprenticeship programs represented in the chart are those in which there were the highest number of women apprentices registered in the associated apprenticeship programs as of December 31, 2022. The list of designated trades is ordered from the highest to the lowest number of women apprentices registered.

The 'n' provided is the number of women apprentices registered in the associated apprenticeship programs as of December 31, 2022.

Due to small registration numbers in some apprenticeship programs, large percentage changes may occur.

Chart 12

Apprentice Graduate Satisfaction with Apprenticeship System



Yes, would still have chosen to become an apprentice

Source: Alberta Advanced Education, surveys of graduates of apprenticeship and industry training

Survey Question: In retrospect, based on your experience with the Alberta apprenticeship program, would you still have chosen to become an apprentice?

¹ Indicates a significant change in response at a .05 level of significance compared to the previous survey year.

² Indicates a significant change in response at a .05 level of significance compared to two surveys previous.

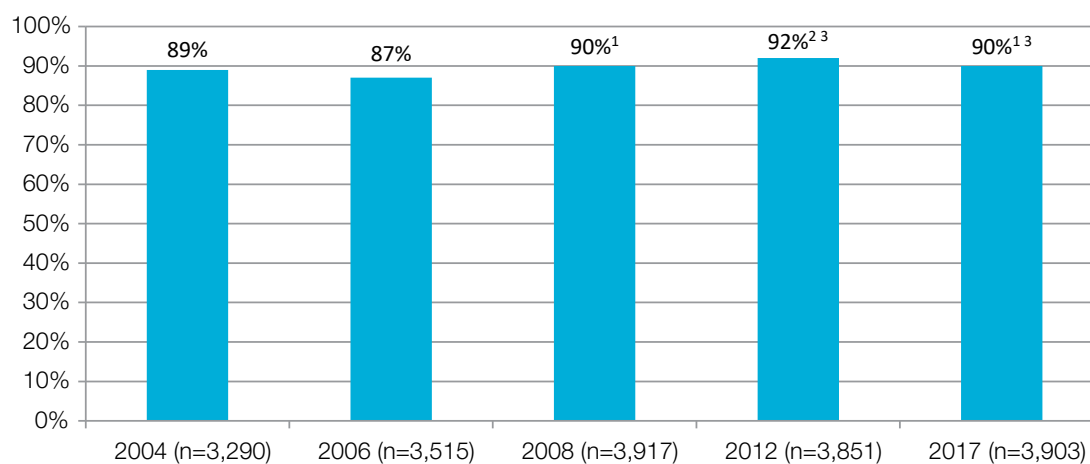
³ Indicates a significant change in response at a .05 level of significance compared to three surveys previous.

⁴ Indicates a significant change in response at a .05 level of significance compared to four surveys previous.

⁵ Indicates a significant change in response at a .05 level of significance compared to five surveys previous.

Chart 13

Employer Satisfaction with Apprenticeship System*



Satisfied or Very Satisfied

Source: Alberta Advanced Education, surveys of employer satisfaction with apprenticeship training and skilled tradespeople

Survey Question: Overall, how satisfied are you with the apprenticeship and trade certification system in Alberta?

* Due to the work of the Skills for Jobs Task Force and the consequent changes being made to the apprenticeship system under the new Skilled Trades and Apprenticeship Education Act, the survey of employers of apprentices and skilled tradespeople did not take place in 2021 as scheduled.

¹ Indicates a significant change in response at a .05 level of confidence compared to the previous survey year.

² Indicates a significant change in response at a .05 level of confidence compared to two surveys previous.

³ Indicates a significant change in response at a .05 level of confidence compared to three surveys previous.

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