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# Statistical Profiles 2021

Apprenticeship and Industry Training



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## 2021 at a Glance — Statistics and More

2021 saw the continuation of a global pandemic resulting in far-reaching consequences and adjustments to our daily lives. Apprentices have not been immune to the impacts of the COVID-19 pandemic. To help mitigate the impact on apprentices, a number of measures were put in place to help apprentices continue to progress and complete their program. The impact of the COVID-19 pandemic and the new strategies put in place to support apprentices are evident in the data presented in the tables and charts that follow.

### As of December 31, 2021...

- There were approximately 39,100 registered apprentices. Of those,
  - 4,800 were women;
  - 2,400 self-identified as Indigenous;
  - 2,200 began in RAP;
  - 163 began in a Career and Technology Studies (CTS) Apprenticeship Pathway; and
  - 80 per cent were registered in 12 programs.
- Approximately 840 high school students were registered in the Registered Apprenticeship Program (RAP), and were employed at more than 390 employer sites.

### In 2021...

- Approximately 11,000 new apprentices registered.
- Apprentices were being trained at approximately 10,400 employer sites around Alberta.
- Approximately 6,600 individuals received certification. (This includes completed apprentices and individuals issued occupation and qualification certificates.)
- Advanced Education staff connected with more than 10,000 employer shops to promote apprenticeship programs, and work with employers and apprentices to ensure the successful completion of apprenticeship education.
- More than 950 scholarships were awarded to Alberta apprentices totaling approximately \$1 million.

### Other Interesting Facts...

- More than 6,200 individuals who began their apprenticeship through RAP and 380 who began through CTS Apprenticeship Pathways have gone on to complete their program.
- 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 2018/2019 graduates in Alberta who participated in the most recent apprenticeship graduate survey expressed satisfaction with:
  - the overall quality of on-the-job learning (90%);
  - the overall quality of their classroom instruction (93%); and
  - their experience with the apprenticeship program – 89% 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%);
  - apprenticeship technical training (87%); and
  - the effectiveness of on-the-job training (95%).



## Apprenticeship – The Basics

- Alberta's apprenticeship system is responsive to labour market and skill needs, and facilitates innovative learning pathways for 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, an employer, an educational institution and the Government of Alberta.
- For most apprenticeship programs, approximately 80 per cent of an apprentice's education is completed on the job under the guidance of a qualified individual. The other 20 per cent is completed through classroom instruction provided by public post-secondary institutions.
- The classroom instruction is most often delivered through 'block release', where the apprentice spends a block of time, generally eight weeks per year, in class. For some apprenticeship programs, classroom instruction may also 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 via e-Learning while the practical portion of classroom instruction takes place at the shop facilities of the training provider.
- Most apprenticeship programs are three to four years in length.
- While many Albertans begin an apprenticeship through employment, various alternative pathways are also available.
  - High school students can register through the Registered Apprenticeship Program (RAP). In RAP, they obtain on-the-job learning and work experience as credit toward both an apprenticeship program and a high school diploma while earning 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, and focus on improving employability, while others include curriculum based on apprenticeship classroom instruction.
- 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 was appointed in September 2019 to find ways to expand and strengthen apprenticeship education and skilled trades opportunities to meet labour demands.
- The Skills for Jobs Task Force report was publicly released in January 2021. The final report includes a number of recommendations on ways to support broader skills development in Alberta, strengthen and improve apprenticeship education programs, and modernize skilled trade professions. The task force's work will help more people recognize that becoming a skilled tradesperson opens the door to respected, well-paying careers.
- For more information on the Skills for Jobs Task Force, visit [alberta.ca/skills-for-jobs-task-force](https://alberta.ca/skills-for-jobs-task-force).

## Skilled Trades and Apprenticeship Education Act

- In 2021, the *Skilled Trades and Apprenticeship Education Act* (STAEA) was passed by the Alberta Legislative Assembly. Based on recommendations from the Skills for Jobs Task Force, this act will come into force in 2022 and will replace the 30-year-old *Apprenticeship and Industry Training Act* to modernize apprenticeship education and skilled trades regulation in Alberta, creating a more flexible and efficient system. New legislation will support Alberta's economic recovery, strengthen education pathways, increase options for industry, improve the quality of the learning experience, promote the skilled trades, and reduce red tape. For more information on STAEA, visit [Tradesecrets.alberta.ca/staea](https://tradesecrets.alberta.ca/staea).

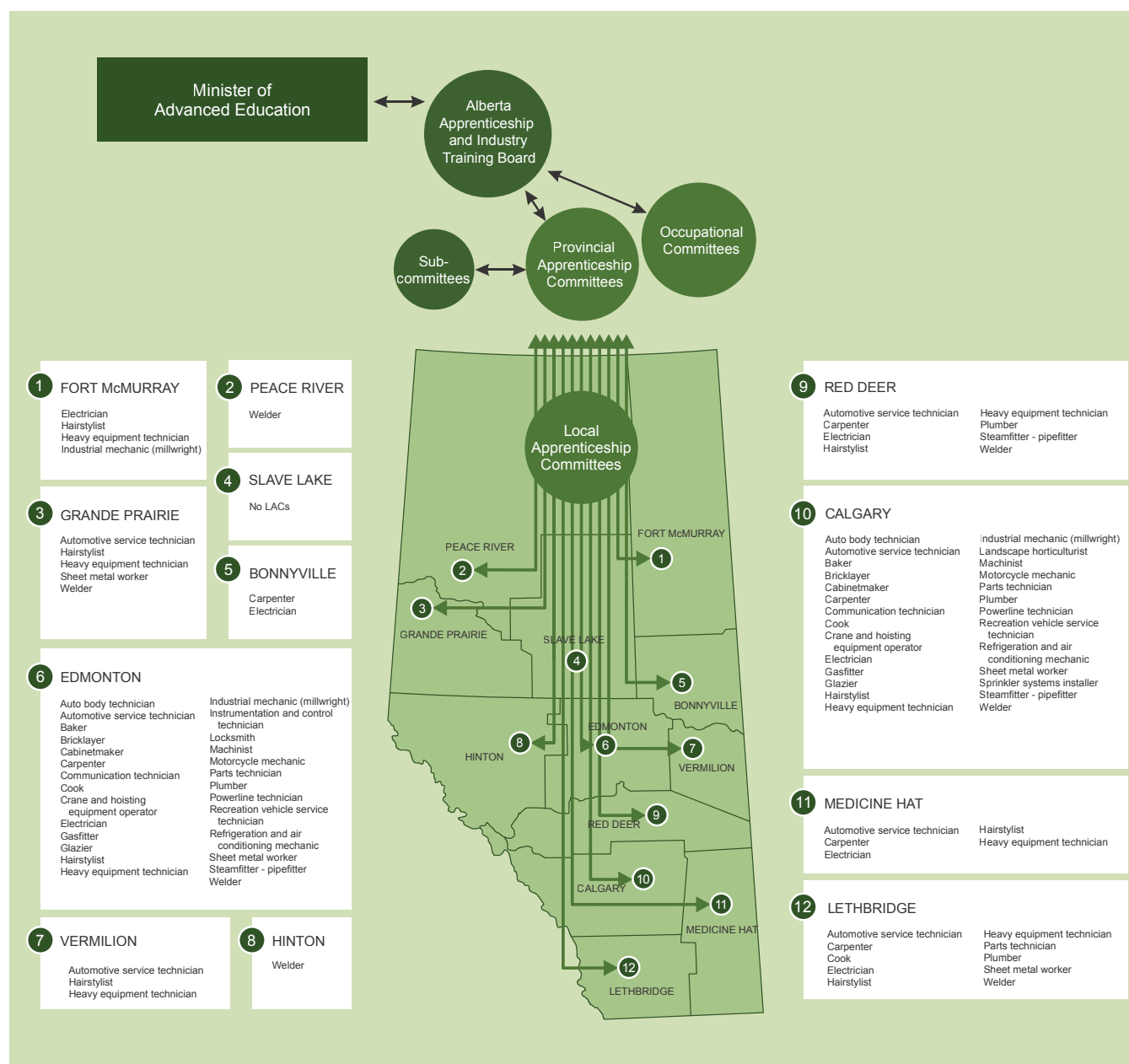
## Financial Support for Apprentices

- 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 apprentices 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 through the Alberta Apprenticeship and Industry Training Board Family of Scholarships, including the High School Apprenticeship Scholarships for students who successfully complete RAP or a CTS Apprenticeship Pathway.

## Alberta's Network of Industry Committees

- Alberta's apprenticeship education system relies on an extensive network of approximately 160 committees and 700 individual industry representatives from industry who identify required skills and competencies and recommend program standards.
- Committee members surveyed in 2018 agreed or strongly agreed (86%) that their committee's work was contributing to positive change in their trade/occupation.

# Structure and Organization of the Alberta Apprenticeship and Industry Training System



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**Table 1**

Part A: Total and New Apprentices Registered by Year						
	2016	2017	2018	2019	2020	2021
Total Apprentices Registered (all trades)	58,337	50,611	48,206	44,115	44,928	39,121
New Apprentices Registered (all trades)	13,004	12,637	13,760	11,627	7,820	10,950

Source: Alberta Advanced Education

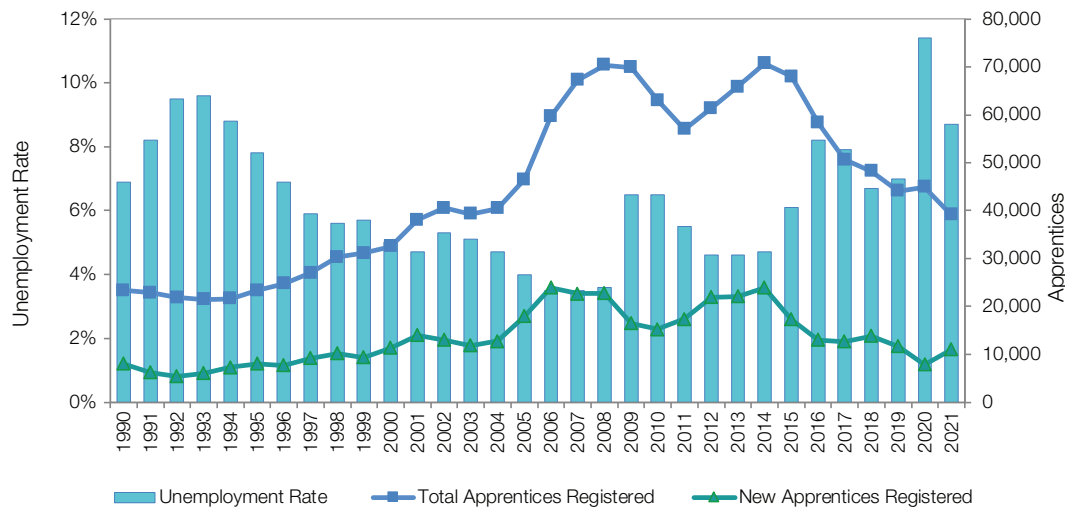
Total Apprentices Registered: Total number registered as of December 31, 2021. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year but are counted here only once.

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 <sup>1</sup>						
	2016	2017	2018	2019	2020	2021
Labour Force	2,391,000	2,412,100	2,425,300	2,450,600	2,405,000	2,452,400
Employed	2,195,700	2,220,800	2,263,600	2,279,300	2,129,800	2,239,200
Unemployed	195,400	191,300	161,700	171,300	275,200	213,100
Unemployment Rate (%)	8.2%	7.9%	6.7%	7.0%	11.4%	8.7%

Source: Alberta Labour, Statistics Canada

<sup>1</sup> Both sexes; 15 years and over; all industries

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

**Table 2**
**Total Number of Apprentices Registered by Apprenticeship Program<sup>1</sup>**

APPRENTICESHIP PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Agricultural Equipment Technician Δ	164	161	170	166	170	166	-2%
Appliance Service Technician	75	73	77	89	111	94	-15%
Appliance Service Technician • Δ	70	66	70	78	93	80	-14%
Commercial Appliance Service Technician •	5	7	7	11	18	14	-22%
Auto Body Technician	665	636	669	620	632	509	-19%
Auto Body Technician • Δ	504	500	521	466	490	388	-21%
Auto Body Prepper •	24	19	27	31	23	27	17%
Auto Body Refinisher • Δ (Note 1)	94	78	76	73	75	59	-21%
Auto Body Repairer • (Note 1)	43	39	45	50	44	35	-20%
Automotive Service Technician • Δ	3,068	3,018	3,066	3,104	3,353	3,042	-9%
Baker Δ	177	183	187	165	139	115	-17%
Boilermaker • Δ	527	470	544	536	537	410	-24%
Bricklayer Δ	170	158	117	90	95	88	-7%
Cabinetmaker Δ	257	263	261	245	250	191	-24%
Carpenter Δ	3,104	2,799	2,670	2,443	2,562	2,275	-11%
Communication Technician	135	95	96	87	73	39	-47%
Concrete Finisher Δ	57	43	34	26	20	9	-55%
Cook Δ	977	875	802	729	666	520	-22%
Crane and Hoisting Equipment Operator	2,354	1,892	1,944	1,616	1,322	1,353	2%
Boom Truck Operator •	827	614	609	493	331	392	18%
Mobile Crane Operator • Δ	804	586	519	524	502	448	-11%
Tower Crane Operator • Δ	53	48	68	47	60	41	-32%
Wellhead Boom Truck Operator •	670	644	748	552	429	472	10%
Electric Motor Systems Technician Δ	35	33	44	41	41	36	-12%
Electrician • Δ	11,714	10,321	9,201	7,983	7,965	6,961	-13%
Elevator Constructor •	318	289	254	196	144	154	7%
Floorcovering Installer Δ	35	32	32	24	17	18	6%
Gasfitter	506	486	517	488	530	552	4%
Gasfitter A • Δ	420	397	406	362	341	327	-4%
Gasfitter B • Δ	86	89	111	126	189	225	19%
Glazier	287	290	252	239	243	195	-20%
Glazier Δ	287	290	252	239	243	195	-20%
Auto Glass Technician (Note 2)	0	N/A	N/A	N/A	N/A	N/A	N/A
Hairstylist	2,218	2,241	2,248	2,194	2,496	2,736	10%
Barber • (Note 3)	N/A	N/A	N/A	N/A	90	173	92%
Hairstylist • Δ	2,218	2,241	2,248	2,194	2,406	2,563	7%
Heavy Equipment Technician	4,933	4,214	4,539	4,797	4,963	4,413	-11%
Heavy Equipment Technician •	3,842	3,191	3,379	3,508	3,578	3,149	-12%
Heavy Duty Equipment Mechanic (Off Road) • Δ	387	361	412	441	469	432	-8%
Transport Trailer Mechanic •	117	101	106	138	142	95	-33%
Truck and Transport Mechanic • Δ	587	561	642	710	774	737	-5%
Industrial Mechanic (Millwright) Δ	1,814	1,554	1,544	1,564	1,603	1,416	-12%
Instrumentation and Control Technician Δ	1,580	1,429	1,349	1,201	1,211	942	-22%
Insulator (Heat and Frost) Δ	756	826	823	453	412	317	-23%
Ironworker	1,647	1,156	1,001	1,028	1,067	682	-36%
Ironworker (Generalist) • Δ (Note 4)	358	265	120	45	25	12	-52%
Ironworker (Metal Building Systems Erector) •	77	56	65	102	105	48	-54%
Ironworker (Reinforcing) • Δ	270	316	444	508	557	347	-38%
Ironworker (Structural/Ornamental) • Δ	942	519	372	373	380	275	-28%
Landscape Horticulturist Δ	155	147	141	118	127	130	2%
Lather (Interior Systems Mechanic) Δ	111	98	83	73	56	31	-45%
Locksmith	143	127	122	119	130	117	-10%

**Table 2 (Cont.)**

APPRENTICESHIP PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Machinist $\Delta$	529	367	425	457	480	360	-25%
Metal Fabricator (Fitter) $\Delta$	99	76	64	68	57	39	-32%
Motorcycle Mechanic • $\Delta$	186	148	141	117	131	133	2%
Natural Gas Compression Technician	24	19	14	7	5	3	-40%
Outdoor Power Equipment Technician	63	61	54	50	50	57	14%
Power	20	26	22	23	26	27	4%
Recreational	43	35	32	27	24	30	25%
Painter and Decorator $\Delta$	120	78	61	55	44	29	-34%
Parts Technician	953	793	798	804	814	719	-12%
Parts Technician $\Delta$	852	722	736	743	757	678	-10%
Materials Technician	101	71	62	61	57	41	-28%
Plumber • $\Delta$ (Note 5)	3,775	3,330	3,150	2,816	2,833	2,641	-7%
Powerline Technician $\Delta$	672	528	448	336	343	261	-24%
Power System Electrician	260	197	160	137	125	99	-21%
Recreation Vehicle Service Technician • $\Delta$	151	138	129	120	118	131	11%
Refrigeration and Air Conditioning Mechanic • $\Delta$	844	795	877	891	951	932	-2%
Rig Technician • $\Delta$ (Note 6)	1,147	823	869	0	0	N/A	N/A
Roofer $\Delta$	217	220	201	181	178	173	-3%
Sheet Metal Worker • $\Delta$	1,428	1,342	1,435	1,223	1,214	1,007	-17%
Sprinkler Systems Installer $\Delta$	322	285	240	194	199	176	-12%
Steamfitter-Pipefitter • $\Delta$	4,211	3,334	2,438	2,410	2,708	1,991	-26%
Tilesetter $\Delta$ (Note 7)	11	11	5	2	0	N/A	N/A
Transport Refrigeration Technician	25	29	34	26	22	14	-36%
Water Well Driller	34	26	20	19	15	17	13%
Welder	5,284	4,102	3,856	3,768	3,706	2,828	-24%
Welder • $\Delta$	5,248	4,072	3,803	3,727	3,660	2,797	-24%
Wire Processor •	36	30	53	41	46	31	-33%
<b>TOTAL</b>	<b>58,337</b>	<b>50,611</b>	<b>48,206</b>	<b>44,115</b>	<b>44,928</b>	<b>39,121</b>	<b>-13%</b>

Source: Alberta Advanced Education

<sup>1</sup> Total number registered as of December 31, 2021. 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.

• = Compulsory certification trade

$\Delta$  = Red Seal trade

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

Note 1: In 2021, three of the 59 individuals registered in the refinisher branch of the auto body technician apprenticeship program were also registered in the repairer branch of that program.

Note 2: Effective January 1, 2015, the designation of auto glass technician as a branch of the glazier apprenticeship program was rescinded. Apprentices registered in the program before that date could continue in the program until December 31, 2016.

Note 3: Effective April 30, 2020, barber was designated as a branch of the hairstylist trade.

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.

Note 5: Effective August 3, 2017, plumber is being reported as a single parent apprenticeship program in accordance with the Plumber Trade Regulation. In prior Statistical Profiles, the plumber apprenticeship program data was divided by 'plumber & gasfitter B' and 'plumber' to distinguish between plumber apprentices who received their gasfitter B certification through their plumber apprenticeship program and those who had previously obtained their gasfitter B certification.

Note 6: 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 7: Effective April 30, 2020, the designation of the tilesetter trade was rescinded.

**Table 3****New Apprentices Registered by Apprenticeship Program<sup>1</sup>**

APPRENTICESHIP PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Agricultural Equipment Technician	33	47	68	54	33	57	73%
Appliance Service Technician	27	29	29	31	42	27	-36%
Appliance Service Technician	26	24	25	24	35	23	-34%
Commercial Appliance Service Technician	1	5	4	7	7	4	-43%
Auto Body Technician	208	183	215	163	115	134	17%
Auto Body Technician	144	138	162	102	83	90	8%
Auto Body Prepper	16	9	16	12	5	11	120%
Auto Body Refinisher	32	23	22	31	20	22	10%
Auto Body Repairer	16	13	15	18	7	11	57%
Automotive Service Technician	712	766	848	804	620	843	36%
Baker	57	68	61	37	31	42	35%
Boilermaker	199	88	216	100	88	127	44%
Bricklayer	53	36	20	16	32	28	-13%
Cabinetmaker	80	90	80	68	35	65	86%
Carpenter	758	758	745	620	517	731	41%
Communication Technician	34	25	27	20	9	8	-11%
Concrete Finisher	18	16	12	10	4	0	-100%
Cook	321	275	239	209	141	168	19%
Crane and Hoisting Equipment Operator	489	629	604	392	277	370	34%
Boom Truck Operator	160	206	169	107	78	107	37%
Mobile Crane Operator	188	145	124	150	116	129	11%
Tower Crane Operator	12	17	34	15	22	12	-45%
Wellhead Boom Truck Operator	129	261	277	120	61	122	100%
Electric Motor Systems Technician	15	10	17	12	6	12	100%
Electrician	1,923	1,809	1,761	1,363	1,097	1,548	41%
Elevator Constructor	96	28	14	16	8	31	288%
Floorcovering Installer	10	9	15	4	4	5	25%
Gasfitter	182	183	180	153	165	229	39%
Gasfitter A	141	135	130	95	79	116	47%
Gasfitter B	41	48	50	58	86	113	31%
Glazier	87	93	63	62	40	44	10%
Hairstylist	801	876	908	780	595	726	22%
Barber (Note 1)	N/A	N/A	N/A	N/A	85	113	33%
Hairstylist	801	876	908	780	510	613	20%
Heavy Equipment Technician	849	1,116	1,508	1,506	811	1,186	46%
Heavy Equipment Technician	548	751	1,054	1,015	482	762	58%
Heavy Duty Equipment Mechanic (Off Road)	105	130	159	169	114	153	34%
Transport Trailer Mechanic	45	47	52	83	29	49	69%
Truck and Transport Mechanic	151	188	243	239	186	222	19%
Industrial Mechanic (Millwright)	337	377	481	467	260	388	49%
Instrumentation and Control Technician	354	391	410	319	202	264	31%
Insulator (Heat and Frost)	276	290	262	55	55	98	78%
Ironworker	594	330	375	460	222	305	37%
Ironworker (Generalist) (Note 2)	146	58	4	N/A	N/A	N/A	N/A
Ironworker (Metal Building Systems Erector)	21	23	32	68	25	18	-28%
Ironworker (Reinforcing)	123	180	264	275	130	184	42%
Ironworker (Structural/Ornamental)	304	69	75	117	67	103	54%
Landscape Horticulturist	49	42	31	42	40	52	30%
Lather (Interior Systems Mechanic)	37	27	28	16	11	10	-9%



**Table 3 (Cont.)**

APPRENTICESHIP PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Locksmith	30	37	39	29	29	30	3%
Machinist	61	85	156	136	69	91	32%
Metal Fabricator (Fitter)	22	26	25	22	9	14	56%
Motorcycle Mechanic	49	38	49	29	30	57	90%
Natural Gas Compression Technician	4	0	4	0	0	0	N/A
Outdoor Power Equipment Technician	24	22	16	20	16	23	44%
Power	8	12	5	9	11	9	-18%
Recreational	16	10	11	11	5	14	180%
Painter and Decorator	63	21	19	23	4	14	250%
Parts Technician	246	219	301	261	163	235	44%
Parts Technician	200	194	278	235	155	222	43%
Materials Technician	46	25	23	26	8	13	63%
Plumber (Note 3)	785	614	694	531	469	758	62%
Powerline Technician	86	150	111	77	52	75	44%
Power System Electrician	56	58	35	41	23	36	57%
Recreation Vehicle Service Technician	47	36	36	30	30	65	117%
Refrigeration and Air Conditioning Mechanic	230	186	291	236	173	288	66%
Rig Technician (Note 4)	77	86	194	31	N/A	N/A	N/A
Roofer	100	63	62	61	33	71	115%
Sheet Metal Worker	384	318	387	235	152	244	61%
Sprinkler Systems Installer	75	67	56	48	36	59	64%
Steamfitter-Pipefitter	1,048	810	793	801	446	547	23%
Tilesetter (Note 5)	2	3	0	0	0	N/A	N/A
Transport Refrigeration Technician	9	23	10	7	3	3	0%
Water Well Driller	9	7	5	5	2	7	250%
Welder	998	1,177	1,260	1,225	621	835	34%
Welder	983	1,164	1,228	1,205	609	825	35%
Wire Processor	15	13	32	20	12	10	-17%
<b>TOTAL</b>	<b>13,004</b>	<b>12,637</b>	<b>13,760</b>	<b>11,627</b>	<b>7,820</b>	<b>10,950</b>	<b>40%</b>

Source: Alberta Advanced Education

<sup>1</sup> 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: Effective April 30, 2020, barber was designated as a branch of the hairstylist trade.

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.

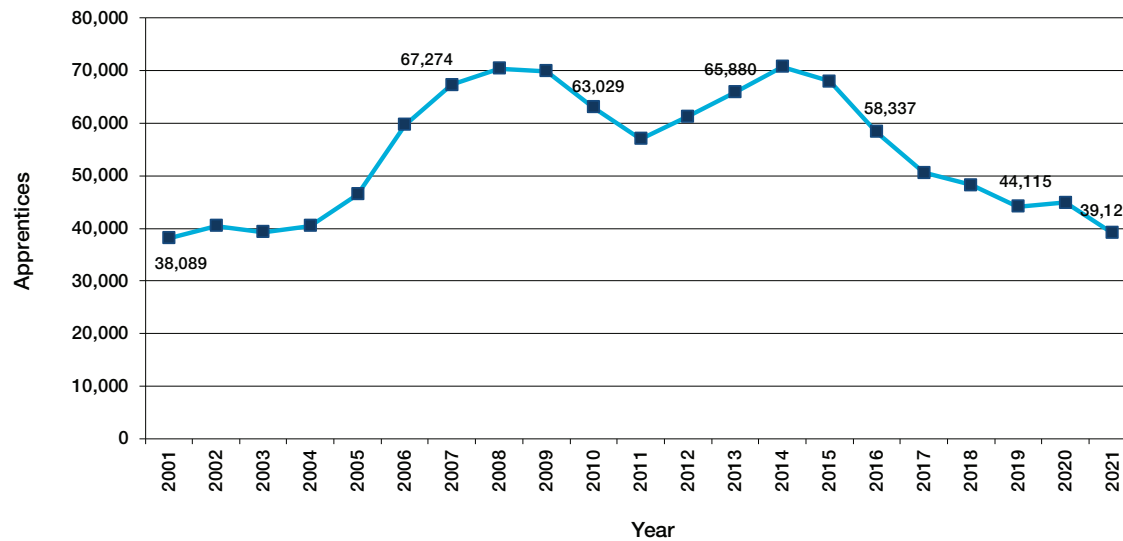
Note 3: Effective August 3, 2017, plumber is being reported as a single parent apprenticeship program in accordance with the Plumber Trade Regulation. In prior Statistical Profiles, the plumber apprenticeship program data was divided by 'plumber & gasfitter B' and 'plumber' to distinguish between plumber apprentices who received their gasfitter B certification through their plumber apprenticeship program and those who had previously obtained their gasfitter B certification.

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 Year<sup>1</sup>

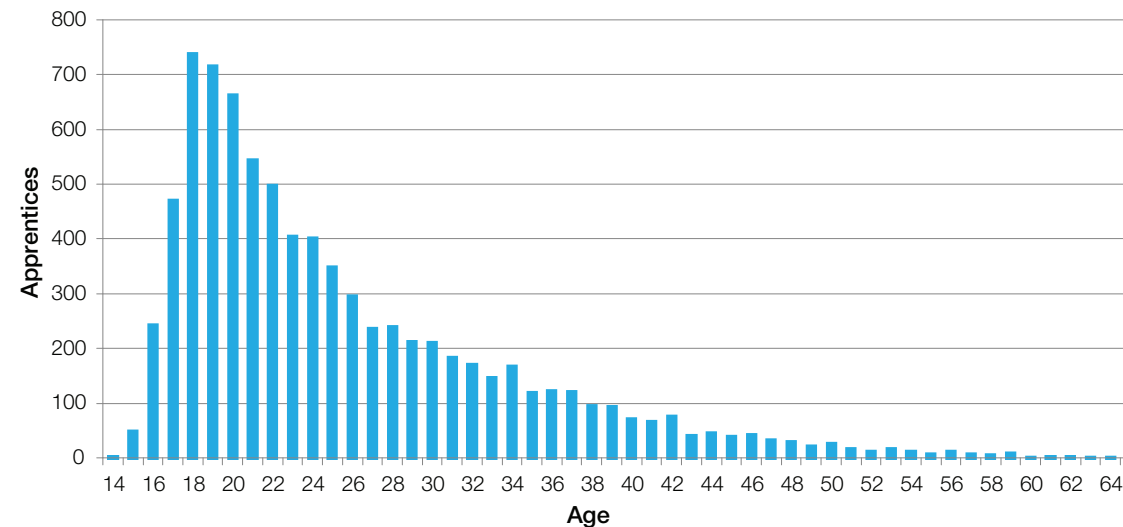


Source: Alberta Advanced Education

<sup>1</sup> This graph represents statistics covering a series of calendar years (January to December).

## Chart 3

Age of Alberta Apprentices on Date of Registration in First Apprenticeship Program, 2021



Total number of Alberta apprentices registering in their first apprenticeship program in 2021 = 8,090 <sup>2</sup>

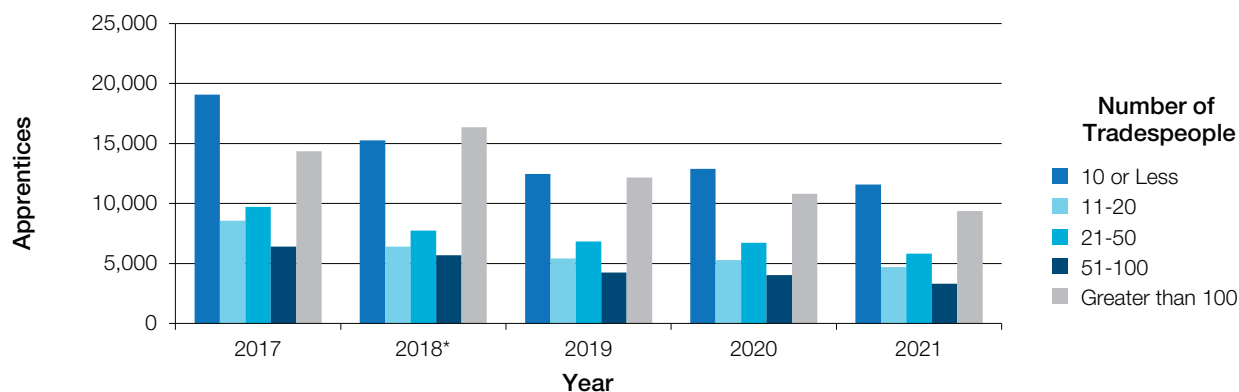
Source: Alberta Advanced Education

<sup>1</sup> Age at date of registration.

<sup>2</sup> The 8,090 total in the chart above includes only individuals registering in their first apprenticeship program in Alberta in 2021. This number differs from the total number of new apprentices registered (10,950) 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.

## Chart 4

Total Apprentices Being Trained by Employer Size<sup>1</sup>



Source: Alberta Advanced Education

<sup>1</sup> The size of an employer site is determined by the number of tradespeople.

\* Prior to 2018, this chart reflected a count of 'sites' instead of 'employers'. If an employer had multiple work locations, each location was counted as a separate 'site'. As of 2018, the report counts 'employers' instead of 'sites'. All sites of a specific employer are combined and counted as a single 'employer'.

## Table 4

Total Number of Individuals Certified by Program, 2021<sup>1</sup>

APPRENTICESHIP PROGRAM	Apprentices Issued Journeyman Certificates and Trainees Issued Occupation Certificates	Apprentices and Trainees Issued Red Seal Endorsement (Note 1)	Individuals Issued Qualification Certificates (Note 2)	Other Individuals Issued Red Seal Endorsement (Note 3)
Agricultural Equipment Technician	21	15	3	3
Appliance Service Technician	16	12	5	4
Appliance Service Technician	13	12	4	4
Commercial Appliance Service Technician	3	N/A	1	N/A
Auto Body Technician	90	76	12	6
Auto Body Technician	60	14	2	1
Auto Body Prepper	0	N/A	2	N/A
Auto Body Refinisher	24	62	6	5
Auto Body Repairer	6	N/A	2	N/A
Automotive Service Technician	421	379	58	54
Baker	36	34	8	8
Boilermaker	48	39	5	5
Bricklayer	12	5	1	1
Cabinetmaker	48	46	2	3
Carpenter	323	225	13	12
Communication Technician	10	N/A	0	N/A
Concrete Finisher	2	2	1	1
Cook	88	70	74	62
Crane and Hoisting Equipment Operator	199	74	8	2
Boom Truck Operator	41	N/A	5	N/A
Mobile Crane Operator	77	71	1	1
Tower Crane Operator	4	3	1	1
Wellhead Boom Truck Operator	77	N/A	1	N/A

**Table 4 (Cont.)**

APPRENTICESHIP PROGRAM	Apprentices Issued Journeyman Certificates and Trainees Issued Occupation Certificates	Apprentices and Trainees Issued Red Seal Endorsement (Note 1)	Individuals Issued Qualification Certificates (Note 2)	Other Individuals Issued Red Seal Endorsement (Note 3)
Electric Motor Systems Technician	6	6	8	8
Electrician	1,105	714	22	18
Elevator Constructor	24	N/A	3	N/A
Floorcovering Installer	1	0	0	0
Gasfitter	78	291	19	19
Gasfitter A	51	25	8	7
Gasfitter B	27	266	11	12
Glazier	32	26	0	0
Hairstylist	333	195	139	90
Barber	12	N/A	30	N/A
Hairstylist	321	195	109	90
Heavy Equipment Technician	729	538	83	72
Heavy Equipment Technician	398	N/A	6	N/A
Heavy Duty Equipment Mechanic (Off Road)	146	163	28	23
Transport Trailer Mechanic	57	N/A	3	N/A
Truck and Transport Mechanic	128	375	46	49
Industrial Mechanic (Millwright)	206	168	16	15
Instrumentation and Control Technician	196	124	5	5
Insulator (Heat and Frost)	89	52	1	0
Ironworker	40	16	29	20
Ironworker (Generalist) (Note 4)	4	2	0	0
Ironworker (Metal Building Systems Erector)	4	N/A	4	N/A
Ironworker (Reinforcing)	11	3	14	13
Ironworker (Structural/Ornamental)	21	11	11	7
Landscape Horticulturist	15	16	0	1
Lather (Interior Systems Mechanic)	3	3	0	0
Locksmith	15	0	0	N/A
Machinist	67	47	2	2
Metal Fabricator (Fitter)	3	1	2	2
Motorcycle Mechanic	15	15	2	2
Natural Gas Compression Technician	0	N/A	1	N/A
Outdoor Power Equipment Technician	5	N/A	0	N/A
Power	2	N/A	0	N/A
Recreational	3	N/A	0	N/A
Painter and Decorator	0	0	3	2
Parts Technician	136	104	34	28
Parts Technician	127	104	29	28
Materials Technician	9	N/A	5	N/A
Plumber	366	53	7	5
Powerline Technician	70	67	4	3
Power System Electrician	19	N/A	9	N/A
Recreation Vehicle Service Technician	18	15	3	3
Refrigeration and Air Conditioning Mechanic	123	105	3	2



**Table 4 (Cont.)**

APPRENTICESHIP PROGRAM	Apprentices Issued Journeyman Certificates and Trainees Issued Occupation Certificates	Apprentices and Trainees Issued Red Seal Endorsement (Note 1)	Individuals Issued Qualification Certificates (Note 2)	Other Individuals Issued Red Seal Endorsement (Note 3)
Roofer	27	25	1	1
Sheet Metal Worker	99	52	0	0
Sprinkler Systems Installer	30	23	1	1
Steamfitter-Pipefitter	147	89	37	32
Transport Refrigeration Technician	1	N/A	0	N/A
Water Well Driller	0	N/A	2	N/A
Welder	548	373	16	15
Welder	543	373	15	15
Wire Processor	5	N/A	1	N/A
<b>Total - Trades</b>	<b>5,860</b>	<b>4,095</b>	<b>642</b>	<b>507</b>
Cathodic Protection Technician	25	N/A	N/A	N/A
Construction Craft Worker	6	3	N/A	0
Field Heat Treatment Technician	6	N/A	N/A	N/A
Gas Utility Operator	0	N/A	N/A	N/A
Industrial Construction Crew Supervisor	51	N/A	N/A	N/A
Oil and Gas Transportation Services	0	N/A	N/A	N/A
Overhead Door Technician	2	N/A	N/A	N/A
Residential Construction Site Manager	0	N/A	N/A	N/A
Slickline Services	0	N/A	N/A	N/A
Snubbing Services	0	N/A	N/A	N/A
Steel Detailer	0	N/A	N/A	N/A
Well Testing Services Supervisor	0	N/A	N/A	N/A
<b>Total - Occupations</b>	<b>90</b>	<b>3</b>	<b>N/A</b>	<b>0</b>
<b>TOTAL</b>	<b>5,950</b>	<b>4,098</b>	<b>642</b>	<b>507</b>

Source: Alberta Advanced Education

<sup>1</sup> Individuals issued more than one certificate in 2021 are counted here only once.

N/A = Not Applicable.

Note 1: This number includes the number of completed apprentices and trainees issued a red seal endorsement in 2021 regardless of the year the apprentices or trainees completed their training.

Note 2: 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 3: Red seal endorsements are also issued to individuals other than those who have completed an Alberta apprenticeship or occupational training program. The number includes individuals issued a red seal endorsement who were certified through Alberta's Qualification Certificate Program or occupation training and certification program (without completing a trainee program) and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.

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.

**Table 5**

**Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Program<sup>1</sup>**

PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Agricultural Equipment Technician	33	33	27	34	19	24	26%
Appliance Service Technician	13	18	10	12	16	21	31%
Appliance Service Technician	11	16	8	11	15	17	13%
Commercial Appliance Service Technician	2	2	2	1	1	4	300%
Auto Body Technician	100	97	95	107	64	102	59%
Auto Body Technician	42	55	44	64	39	62	59%
Auto Body Prepper	3	3	2	4	2	2	0%
Auto Body Refinisher	36	35	37	31	20	30	50%
Auto Body Repairer	19	4	12	8	3	8	167%
Automotive Service Technician	443	401	499	486	277	479	73%
Baker	36	40	32	35	19	44	132%
Boilermaker	80	71	74	56	37	53	43%
Bricklayer	27	22	22	23	17	13	-24%
Cabinetmaker	30	23	32	30	15	50	233%
Carpenter	368	377	359	394	229	336	47%
Communication Technician	8	15	7	9	5	10	100%
Concrete Finisher	24	17	17	10	8	3	-63%
Cook	217	206	176	143	96	162	69%
Crane and Hoisting Equipment Operator	517	412	293	270	115	207	80%
Boom Truck Operator	150	111	84	79	33	46	39%
Mobile Crane Operator	279	207	112	70	55	78	42%
Tower Crane Operator	14	15	11	16	3	5	67%
Wellhead Boom Truck Operator	74	79	86	105	24	78	225%
Electric Motor Systems Technician	7	8	3	6	2	14	600%
Electrician	1,641	1,648	1,673	1,570	855	1,127	32%
Elevator Constructor	24	32	39	63	58	27	-53%
Floorcovering Installer	6	3	7	2	1	1	0%
Gasfitter	115	141	112	103	60	97	62%
Gasfitter A	97	109	86	73	39	59	51%
Gasfitter B	18	32	26	30	21	38	81%
Glazier	32	31	37	31	20	32	60%
Glazier	32	31	37	31	20	32	60%
Auto Glass Technician (Note 1)	0	N/A	N/A	N/A	N/A	N/A	N/A
Hairstylist	538	540	562	579	224	472	111%
Barber (Note 2)	N/A	N/A	N/A	N/A	0	42	N/A
Hairstylist	538	540	562	579	224	430	92%
Heavy Equipment Technician	1,100	1,146	938	916	531	812	53%
Heavy Equipment Technician	715	753	569	524	283	404	43%
Heavy Duty Equipment Mechanic (Off Road)	159	155	164	169	110	174	58%
Transport Trailer Mechanic	36	39	37	39	20	60	200%
Truck and Transport Mechanic	190	199	168	184	118	174	47%
Industrial Mechanic (Millwright)	423	443	335	274	179	222	24%
Instrumentation and Control Technician	323	332	259	238	124	201	62%

**Table 5 (Cont.)**

PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Insulator (Heat and Frost)	96	81	92	117	41	90	120%
Ironworker	151	168	166	146	85	69	-19%
Ironworker (Generalist) (Note 3)	14	25	26	24	10	4	-60%
Ironworker (Metal Building Systems Erector)	25	14	10	15	4	8	100%
Ironworker (Reinforcing)	32	27	44	24	22	25	14%
Ironworker (Structural/Ornamental)	80	102	86	83	49	32	-35%
Landscape Horticulturist	17	25	21	30	20	15	-25%
Lather (Interior Systems Mechanic)	18	13	16	4	18	3	-83%
Locksmith	10	13	17	15	16	15	-6%
Machinist	129	112	74	63	25	69	176%
Metal Fabricator (Fitter)	18	27	15	8	4	5	25%
Motorcycle Mechanic	34	23	29	29	15	17	13%
Natural Gas Compression Technician	2	6	6	6	0	1	N/A
Outdoor Power Equipment Technician	9	8	6	10	8	5	-38%
Power	2	4	0	3	4	2	-50%
Recreational	7	4	6	7	4	3	-25%
Painter and Decorator	19	24	11	13	5	3	-40%
Parts Technician	205	209	180	136	104	170	63%
Parts Technician	181	191	171	126	99	156	58%
Materials Technician	24	18	9	10	5	14	180%
Plumber (Note 4)	409	420	505	522	323	373	15%
Powerline Technician	162	240	155	107	40	74	85%
Power System Electrician	96	45	44	36	18	28	56%
Recreation Vehicle Service Technician	22	23	30	17	30	21	-30%
Refrigeration and Air Conditioning Mechanic	122	121	116	127	82	126	54%
Rig Technician (Note 5)	159	54	73	26	3	N/A	N/A
Roofer	28	38	41	30	33	28	-15%
Sheet Metal Worker	90	96	113	141	81	99	22%
Sprinkler Systems Installer	43	37	53	41	20	31	55%
Steamfitter-Pipefitter	822	844	868	203	70	184	163%
Tilesetter (Note 6)	2	1	0	1	0	N/A	N/A
Transport Refrigeration Technician	9	5	3	6	1	1	0%
Water Well Driller	13	13	6	5	2	2	0%
Welder	1,437	1,301	893	623	385	564	46%
Welder	1,430	1,296	889	618	379	558	47%
Wire Processor	7	5	4	5	6	6	0%
<b>Total - Trades</b>	<b>10,227</b>	<b>10,003</b>	<b>9,141</b>	<b>7,853</b>	<b>4,400</b>	<b>6,502</b>	<b>48%</b>
Cathodic Protection Technician	56	39	39	28	15	25	67%
Construction Craft Worker (Note 7)	9	4	3	3	1	6	500%
Field Heat Treatment Technician	10	7	10	12	10	6	-40%
Gas Utility Operator	20	20	21	7	9	0	-100%
Industrial Construction Crew Supervisor	239	202	78	53	27	51	89%
Oil and Gas Transportation Services	0	2	0	0	0	0	N/A
Overhead Door Technician	0	6	8	3	2	2	0%

**Table 5 (Cont.)**

PROGRAM	2016	2017	2018	2019	2020	2021	2020-21 % Change
Residential Construction Site Manager	1	2	1	1	0	0	N/A
Slickline Services	0	0	0	0	0	0	N/A
Snubbing Services	2	1	0	0	0	0	N/A
Steel Detailer	0	0	0	0	0	0	N/A
Well Testing Services Supervisor	0	4	0	0	0	0	N/A
<b>Total - Occupations</b>	<b>337</b>	<b>287</b>	<b>160</b>	<b>107</b>	<b>64</b>	<b>90</b>	<b>41%</b>
<b>TOTAL</b>	<b>10,564</b>	<b>10,290</b>	<b>9,301</b>	<b>7,960</b>	<b>4,464</b>	<b>6,592</b>	<b>48%</b>

Source: Alberta Advanced Education

<sup>1</sup> Individuals issued more than one certificate in each year are counted here only once.

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

Note 1: Effective January 1, 2015, the designation of auto glass technician as a branch of the glazier apprenticeship program was rescinded. Apprentices registered in the program before that date could continue in the program until December 31, 2016.

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: Effective August 3, 2017, plumber is being reported as a single parent apprenticeship program in accordance with the Plumber Trade Regulation. In prior Statistical Profiles, the plumber apprenticeship program data was divided by 'plumber & gasfitter B' and 'plumber' to distinguish between plumber apprentices who received their gasfitter B certification through their plumber apprenticeship program and those who had previously obtained their gasfitter B certification.

Note 5: 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.

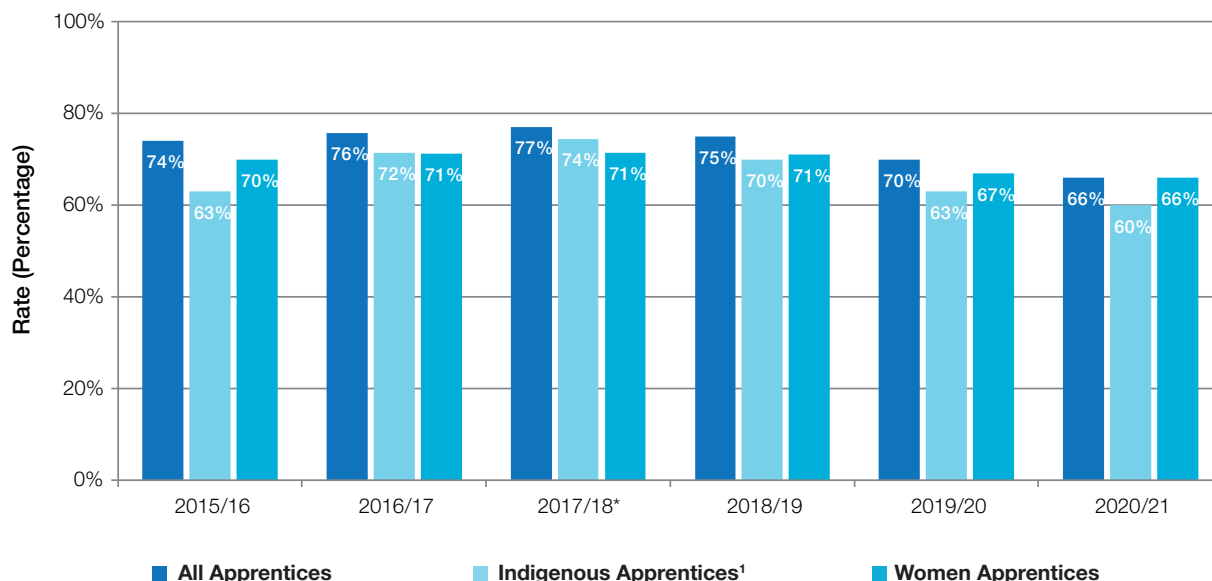
Note 6: Effective April 30, 2020, the designation of the tilesetter trade was rescinded.

Note 7: Effective September 1, 2018, the name of the construction craft labourer occupation was changed to construction craft worker.



## Chart 5

### Apprentice Completion Rate by Year



Source: Alberta Advanced Education

<sup>1</sup> 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 the 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 6****Classroom Instruction Attendance by Institution and School Year<sup>1</sup>**

INSTITUTION	2016/17	2017/18	2018/19	2019/20	2020/21 <sup>2</sup>	2021/22 <sup>1,2</sup>
Delmar College of Hair Design (Note 1)	57	67	67	28	79	57
Grande Prairie Regional College	1,298	1,067	978	668	1,048	653
Keyano College	643	569	496	351	456	364
Lakeland College	1,053	891	756	474	669	521
Lethbridge College	924	836	815	628	827	752
MC College (Note 1)	73	65	73	27	60	47
Medicine Hat College	528	452	343	218	313	254
Northern Alberta Institute of Technology	12,932	10,350	8,986	5,164	7,522	5,704
Northern Lakes College	148	152	98	39	43	39
Olds College	336	235	222	225	268	278
Portage College	109	66	56	35	48	52
Red Deer Polytechnic	2,880	2,214	1,848	1,252	1,713	1,354
Southern Alberta Institute of Technology	8,294	6,972	6,337	4,101	5,916	4,581
Other Providers (Note 2)	470	397	303	147	164	110
<b>TOTAL</b>	<b>29,745</b>	<b>24,333</b>	<b>21,378</b>	<b>13,357</b>	<b>19,126</b>	<b>14,766</b>

Source: Alberta Advanced Education

<sup>1</sup> These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2021/22 school year. The data for this year is the attendance as of the date of April 11, 2022.

<sup>2</sup> 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: 'Other' providers may not provide apprenticeship classroom instruction every year. Other providers for 2020/21 include:

Alberta Carpenters Training Centre - provides classroom instruction for its carpenters

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

Enform - (previously Petroleum Industry Training Service) provides classroom instruction for the wellhead boom truck branch of the crane and hoisting equipment operator program

FortisAlberts Inc. - provides classroom instruction for its powerline technician apprentices.

**Table 7****Total Number of Apprentices Registered by Apprenticeship Program and Period (or Year) of Classroom Instruction, 2021<sup>1</sup>**

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Agricultural Equipment Technician	54	32	37	30	13	166
Appliance Service Technician	40	35	8	N/A	11	94
Appliance Service Technician	32	32	8	N/A	8	80
Commercial Appliance Service Technician	8	3	N/A*	N/A	3	14
Auto Body Technician	140	123	99	85	62	509
Auto Body Technician	96	84	88	85	35	388
Auto Body Prepper	13	N/A*	N/A	N/A	14	27
Auto Body Refinisher	17	32	N/A	N/A	10	59
Auto Body Repairer	14	7	11	N/A	3	35
Automotive Service Technician	961	686	674	494	227	3,042
Baker	36	25	12	N/A	42	115
Boilermaker	148	148	90	N/A	24	410
Bricklayer	37	11	36	N/A	4	88

**Table 7 (Cont.)**

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Cabinetmaker	44	53	25	53	16	191
Carpenter	878	473	379	427	118	2,275
Communication Technician	22	0	0	14	3	39
Concrete Finisher	4	1	N/A*	N/A	4	9
Cook	187	67	139	N/A	127	520
Crane and Hoisting Equipment Operator	969	N/A*	255	N/A	129	1,353
Boom Truck Operator	367	N/A	N/A	N/A	25	392
Mobile Crane Operator	154	N/A*	255	N/A	39	448
Tower Crane Operator	35	N/A*	N/A	N/A	6	41
Wellhead Boom Truck Operator	413	N/A	N/A	N/A	59	472
Electric Motor Systems Technician	15	1	12	6	2	36
Electrician	1,748	1,422	1,390	1,980	421	6,961
Elevator Constructor	0	0	0	131	23	154
Floorcovering Installer	13	4	N/A	N/A	1	18
Gasfitter	147	173	189	N/A	43	552
Gasfitter A	36	69	189	N/A	33	327
Gasfitter B	111	104	N/A	N/A	10	225
Glazier	55	30	45	47	18	195
Hairstylist	1,277	270	N/A	N/A	1,189	2,736
Barber	138	N/A	N/A	N/A	35	173
Hairstylist	1,139	270	N/A	N/A	1,154	2,563
Heavy Equipment Technician	1,340	843	1,115	709	406	4,413
Heavy Equipment Technician	870	587	709	709	274	3,149
Heavy Duty Equipment Mechanic (Off Road)	170	90	129	N/A	43	432
Transport Trailer Mechanic	69	N/A*	N/A	N/A	26	95
Truck and Transport Mechanic	231	166	277	N/A	63	737
Industrial Mechanic (Millwright)	431	347	284	273	81	1,416
Instrumentation and Control Technician	274	151	137	195	185	942
Insulator (Heat and Frost)	131	61	106	N/A	19	317
Ironworker	422	141	91	8	20	682
Ironworker (Generalist) (Note 2)	1	0	2	8	1	12
Ironworker (Metal Building Systems Erector)	30	11	N/A	N/A	7	48
Ironworker (Reinforcing)	267	77	N/A	N/A	3	347
Ironworker (Structural/Ornamental)	124	53	89	N/A	9	275
Landscape Horticulturist	54	29	13	22	12	130
Lather (Interior Systems Mechanic)	20	1	10	N/A	0	31
Locksmith	60	27	25	N/A	5	117
Machinist	79	83	89	79	30	360
Metal Fabricator (Fitter)	13	7	17	N/A	2	39
Motorcycle Mechanic	34	37	29	22	11	133
Natural Gas Compression Technician	0	0	0	3	0	3
Outdoor Power Equipment Technician	24	14	16	N/A	3	57
Power	10	10	6	N/A	1	27
Recreational	14	4	10	N/A	2	30
Painter and Decorator	20	2	4	N/A	3	29
Parts Technician	273	238	176	N/A	32	719
Parts Technician	259	220	170	N/A	29	678
Materials Technician	14	18	6	N/A	3	41

**Table 7 (Cont.)**

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Plumber	790	525	583	610	133	2,641
Powerline Technician	84	66	83	N/A*	28	261
Power System Electrician	18	5	49	15	12	99
Recreation Vehicle Service Technician	78	27	15	N/A	11	131
Refrigeration and Air Conditioning Mechanic	220	258	243	166	45	932
Roofer	57	53	53	N/A*	10	173
Sheet Metal Worker	322	141	181	269	94	1,007
Sprinkler Systems Installer	62	59	45	N/A*	10	176
Steamfitter-Pipefitter	736	324	469	388	74	1,991
Transport Refrigeration Technician	5	5	3	N/A	1	14
Water Well Driller	10	6	N/A	N/A	1	17
Welder	1,032	625	880	N/A	291	2,828
Welder	1,006	625	880	N/A	286	2,797
Wire Processor	26	N/A*	N/A	N/A	5	31
<b>TOTAL</b>	<b>13,364</b>	<b>7,629</b>	<b>8,106</b>	<b>6,026</b>	<b>3,996</b>	<b>39,121</b>

Source: Alberta Advanced Education

<sup>1</sup> These statistics are as of December 31, 2021.

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 8**

**Number of Apprentices Registered, Certified and Attending Classroom Instruction by Apprenticeship and Industry Training Office<sup>1</sup>, 2021<sup>2</sup>**

OFFICE/REGION	Total Apprentices Registered	New Apprentices Registered	Apprentices Certified	Classroom Instruction Attendance <sup>3</sup>
Bonnyville	701	235	111	311
Calgary	11,319	3,255	1,568	5,441
Edmonton	15,407	4,266	2,530	7,365
Fort McMurray	1,257	339	203	576
Grande Prairie	2,197	577	264	872
Hinton	943	237	147	458
Lethbridge	1,714	519	243	846
Medicine Hat	870	236	132	476
Peace River	562	155	62	282
Red Deer	2,865	765	414	1,307
Slave Lake	562	162	59	292
Vermilion	724	204	127	428
<b>Total - Office Regions</b>	<b>39,121</b>	<b>10,950</b>	<b>5,860</b>	<b>18,654</b>
Interprovincial - Classroom Instruction Only (Note 1)	N/A	N/A	N/A	241
Interprovincial/International - Classroom Instruction and Certification (Note 2)	0	0	0	0
<b>Total - Other</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>241</b>
<b>TOTAL</b>	<b>39,121</b>	<b>10,950</b>	<b>5,860</b>	<b>18,895</b>

(Notes 3 & 4)

Source: Alberta Advanced Education

<sup>1</sup> See map on page 7 for Apprenticeship and Industry Training office regions.

<sup>2</sup> This table represents statistics covering the January to December 2021 calendar year. Classroom instruction in Table 6 is reported as school year. For this table only, the classroom instruction statistics cover the calendar year for comparability within this table.

<sup>3</sup> 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:

- Apprentices do not normally attend classroom instruction until they have had at least eight to 10 months of on-the-job learning with their employer.
- 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.

Note 4: In 2021, some classroom instruction may have disrupted by the COVID-19 pandemic.

**TABLE 9****Number of Committee Meetings by Designated Trade/Occupation and Year**

DESIGNATED TRADE/OCCUPATION	Provincial Apprenticeship Committee (Full, Sub and Special) and Occupational Committee Meetings (Notes 1 & 2)							Local Apprenticeship Committee Meetings (Note 3)							Number of LACs
	2016	2017	2018	2019	2020	2021	Total	2016	2017	2018	2019	2020	2021	Total	
Agricultural Equipment Technician	3	3	4	2	2	0	14								0
Appliance Service Technician	3	1	1	1	1	0	7	0						0	0
Auto Body Technician	8	3	1	1	1	1	15	0	1	0	2	0	0	3	2
Automotive Service Technician	10	8	3	1	4	0	26	4	7	6	3	0	1	21	7
Baker	3	1	1	1	1	1	8	3	2	3	2	0	2	12	2
Boilermaker	3	7	4	3	3	1	21								0
Bricklayer	2	1	1	1	1	0	6	3	2	2	2	1	0	10	2
Cabinetmaker	2	3	2	2	3	0	12	0	0	3	4	0	0	7	2
Carpenter	1	3	8	6	3	2	23	2	4	9	10	1	7	33	6
Communication Technician	1	2	2	5	2	0	12	2	2	2	1	1	0	8	2
Concrete Finisher	1	3	2	1	1	0	8								0
Cook	2	2	1	5	3	1	14	4	4	4	4	1	3	20	3
Crane and Hoisting Equipment Operator	4	6	0	3	1	0	14	0	1	0	1	0	0	2	2
Electric Motor Systems Technician	7	4	1	0	4	0	16								0
Electrician	9	3	4	4	10	4	34	6	8	6	8	5	8	41	7
Elevator Constructor	4	4	5	1	0	0	14								0
Floorcovering Installer	3	4	2	0	0	0	9								0
Gasfitter	8	12	3	2	2	0	27	3	0	2	3	0	0	8	2
Glazier	3	2	3	3	2	0	13	0	3	2	2	2	0	9	2
Hairstylist	5	4	9	4	7	1	30	6	7	9	3	9	0	34	8
Heavy Equipment Technician	4	10	7	2	5	0	28	4	8	13	0	6	0	31	8
Industrial Mechanic (Millwright)	8	6	7	3	2	0	26	3	0	0	2	0	0	5	3
Instrumentation and Control Technician	3	10	1	2	2	0	18	0	1	0	0	1	0	2	1
Insulator (Heat and Frost)	0	7	4	2	1	0	14								0
Ironworker	5	3	3	4	0	1	16								0
Landscape Horticulturist	3	7	9	2	1	1	23	1	2	1	2	0	0	6	1
Lather (Interior Systems Mechanic)	1	10	3	2	1	2	19								0
Locksmith	9	2	3	2	2	0	18	1	1	1	1	0	0	4	1
Machinist	2	6	8	5	3	1	25	3	1	2	1	2	2	11	2
Metal Fabricator (Fitter)	1	0	0	2	0	0	3								0
Motorcycle Mechanic	1	1	1	0	1	0	4	0	0	2	0	0	0	2	2
Natural Gas Compression Technician	0	0	0	0	0	0	0								0
Outdoor Power Equipment Technician	2	1	1	2	1	0	7								0
Painter and Decorator	9	6	3	0	1	1	20	1						1	0
Parts Technician	4	2	3	2	0	0	11	1	2	3	1	0	0	7	3
Plumber	12	12	11	1	1	4	41	3	3	2	1	0	3	12	4
Powerline Technician	2	1	7	7	11	1	29	2	2	2	1	1	1	9	2

**Table 9 (Cont.)**

DESIGNATED TRADE/OCCUPATION	Provincial Apprenticeship Committee (Full, Sub and Special) and Occupational Committee Meetings (Notes 1 & 2)							Local Apprenticeship Committee Meetings (Note 3)							
	2016	2017	2018	2019	2020	2021	Total	2016	2017	2018	2019	2020	2021	Total	Number of LACs
Power System Electrician	4	1	3	6	5	1	20								0
Recreation Vehicle Service Technician	0	0	1	0	0	0	1	0	1	2	1	0	0	4	2
Refrigeration and Air Conditioning Mechanic	9	2	5	1	3	0	20	1	2	2	1	1	2	9	2
Rig Technician	2	2	1	0	0	0	5								0
Roofer	1	2	3	0	1	0	7								0
Sheet Metal Worker	12	13	5	1	4	0	35	3	0	4	4	2	0	13	4
Sprinkler Systems Installer	3	4	6	4	4	0	21	0	1	1	0	0	0	2	1
Steamfitter- Pipefitter	9	10	10	2	2	0	33	2	1	3	1	2	0	9	3
Tilesetter	2	0	0	0	0	0	2								0
Transport Refrigeration Technician	4	1	2	2	3	0	12								0
Water Well Driller	2	1	1	0	0	0	4								0
Welder	2	3	4	3	2	1	15	5	9	5	6	0	6	31	7
<b>Total Meetings - Trades (Notes 4 &amp; 5)</b>	<b>191</b>	<b>186</b>	<b>163</b>	<b>100</b>	<b>105</b>	<b>24</b>	<b>769</b>	<b>63</b>	<b>75</b>	<b>91</b>	<b>67</b>	<b>35</b>	<b>35</b>	<b>366</b>	<b>93</b>
Cathodic Protection Technician	2	1	2	1	1	0	7								
Construction Craft Worker	2	0	2	0	0	0	4								
Field Heat Treatment Technician	1	1	1	1	0	0	4								
Gas Utility Operator	3	0	1	2	0	0	6								
Industrial Construction Crew Supervisor	1	3	1	1	0	0	6								
Oil and Gas Transportation Services (Note 6)															
Overhead Door Technician	2	1	1	1	0	0	5								
Petroleum Competency Program Steering Committee (Note 6)	0	0	0	0	0	0	0								
Residential Construction Site Manager	0	3	1	1	0	0	5								
Slickline Services (Note 6)															
Snubbing Services (Note 6)															
Steel Detailer	0	0	1	0	0	0	1								
Well Testing Services Supervisor (Note 6)															
<b>Total - Occupations</b>	<b>11</b>	<b>9</b>	<b>10</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>38</b>								

Source: Alberta Advanced Education

 Shaded cells indicate that a committee did not exist for that designated trade for all or part of the year. Designated occupations do not have local committees.

Note 1: There is one provincial apprenticeship committee for each parent designated trade and one occupational committee for each designated occupation. For the exception to this, see Note 6 below.

Note 2: The number of provincial apprenticeship committees and occupational committees meetings in this table includes general, sub-committee and special meetings. It does not include ballots for any of the committees.

Note 3: The number of local apprenticeship committees (LACs) varies by designated trade. The number of LACs for each designated trade as of December 31, 2021 is indicated in the 'Number of LACs' column. Some designated trades do not have any LACs. The number of LAC meetings reflected in the table for each designated trade adds together the meetings of all the LACs in the province for that designated trade.

Note 4: A number of meetings of provincial apprenticeship committees (PACs) can be held jointly with other PACs. These joint meetings are counted in the meetings for each PAC, but are only counted once in the totals. The number of joint meetings varies each year. The number of joint meetings in each year are as follows: 2016 - 10; 2017 - 11; 2018 - 4; 2019 - 3; 2020 - 1; 2021 - 0.

Note 5: In 2020 and 2021, the number of committee meetings held were impacted by the COVID-19 pandemic.

Note 6: As of 2010, the Petroleum Competency Program Steering Committee has served as the industry committee for the following designated occupations: oil and gas transportation services, slickline services, snubbing services and well testing services supervisor.



**Table 10****Number of Participants in the Registered Apprenticeship Program (RAP) by Apprenticeship Program<sup>1</sup>, 2021**

APPRENTICESHIP PROGRAM	High School	Full Time	Certified (Note 1)
Agricultural Equipment Technician	11	39	79
Appliance Service Technician	0	1	6
Appliance Service Technician	0	1	6
Commercial Appliance Service Technician	0	0	0
Auto Body Technician	21	49	132
Auto Body Technician	19	45	50
Auto Body Prepper	1	0	0
Auto Body Refinisher	1	3	46
Auto Body Repairer	0	1	36
Automotive Service Technician	113	249	673
Baker	6	8	20
Boilermaker	0	0	1
Bricklayer	2	4	19
Cabinetmaker	6	6	60
Carpenter	68	167	383
Communication Technician	4	3	2
Concrete Finisher	0	1	8
Cook	30	42	101
Crane and Hoisting Equipment Operator	3	3	29
Boom Truck Operator	2	1	10
Mobile Crane Operator	1	2	18
Tower Crane Operator	0	0	1
Wellhead Boom Truck Operator	0	0	0
Electric Motor Systems Technician	4	3	0
Electrician	84	334	825
Elevator Constructor	0	0	0
Floorcovering Installer	4	3	4
Gasfitter	4	4	11
Gasfitter A	1	3	10
Gasfitter B	3	1	1
Glazier	4	4	13
Hairstylist	40	133	702
Barber	4	2	0
Hairstylist	36	131	702
Heavy Equipment Technician	197	522	902
Heavy Equipment Technician	158	459	841
Heavy Duty Equipment Mechanic (Off Road)	15	20	13
Transport Trailer Mechanic	3	3	8
Truck and Transport Mechanic	21	40	40
Industrial Mechanic (Millwright)	19	90	186
Instrumentation and Control Technician	4	33	158
Insulator (Heat and Frost)	1	1	2

**Table 10 (Cont.)**

APPRENTICESHIP PROGRAM	High School	Full Time	Certified (Note 1)
Ironworker	11	16	6
Ironworker (Generalist) (Note 2)	0	1	2
Ironworker (Metal Building Systems Erector)	3	1	1
Ironworker (Reinforcing)	6	11	0
Ironworker (Structural/Ornamental)	2	3	3
Landscape Horticulturist	11	8	9
Lather (Interior Systems Mechanic)	2	4	6
Locksmith	0	1	4
Machinist	7	15	73
Metal Fabricator (Fitter)	1	2	8
Motorcycle Mechanic	4	12	38
Natural Gas Compression Technician	0	1	0
Outdoor Power Equipment Technician	9	3	13
Power	3	1	2
Recreational	6	2	11
Painter and Decorator	2	3	6
Parts Technician	11	20	107
Parts Technician	11	20	106
Materials Technician	0	0	1
Plumber	37	86	229
Powerline Technician	1	10	32
Power System Electrician	0	0	0
Recreational Vehicle Service Technician	3	9	10
Refrigeration and Air Conditioning Mechanic	2	30	30
Roofer	1	4	6
Sheet Metal Worker	18	42	46
Sprinkler Systems Installer	0	5	13
Steamfitter-Pipefitter	6	23	71
Tilesetter (Note 3)	N/A	N/A	3
Transport Refrigeration Mechanic	1	0	4
Water Well Driller	2	1	5
Welder	85	218	1,250
Welder	85	216	1,250
Wire Processor	0	2	0
<b>TOTAL</b>	<b>839</b>	<b>2,212</b>	<b>6,285</b>

Source: Alberta Advanced Education

<sup>1</sup> Total number as of December 31, 2021

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.

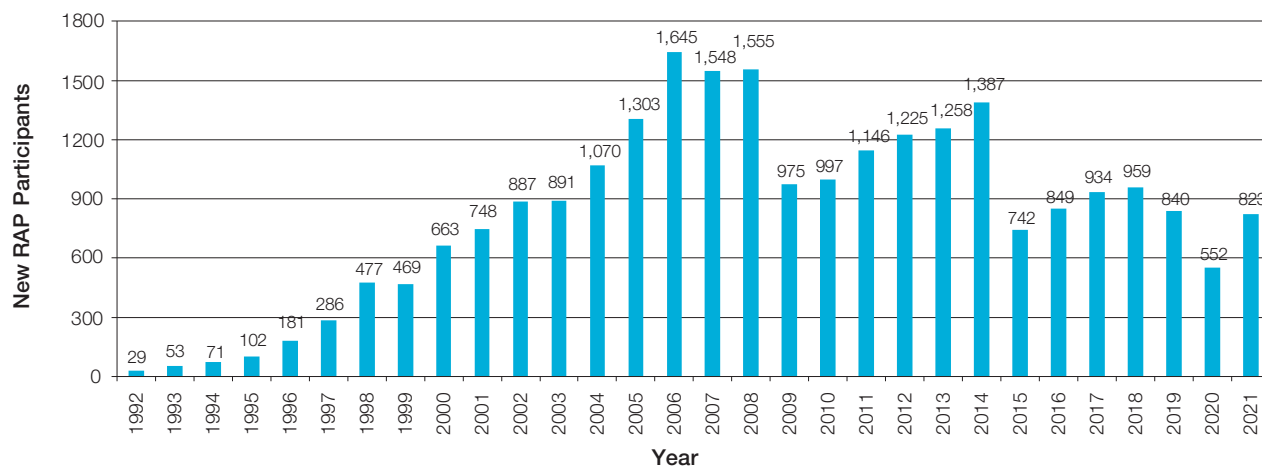
Note 1: Total number of RAP participants certified since inception of program (1992).

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 6

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year<sup>1</sup>

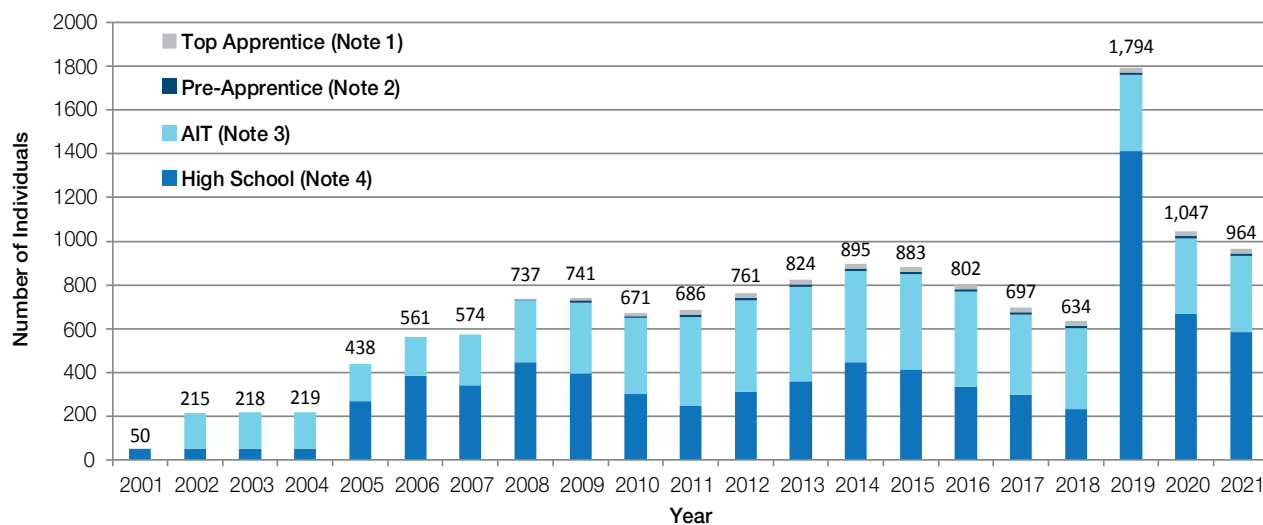


Source: Alberta Advanced Education

<sup>1</sup> This graph represents statistics covering calendar years (January to December).

## Chart 7

Total Number of Individuals Awarded Scholarships by Year



Source: Alberta Advanced Education

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 successfully completed either the Registered Apprenticeship Program (RAP) or a Career and Technology Studies (CTS) Apprenticeship Pathways, and 2) High School Apprenticeship Scholarship – Bright Future (HSAS-BF) valued at \$2,000 for successfully completing 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 replaced the scholarship previously known as the Registered Apprenticeship Program/Career and Technology Studies Apprenticeship Pathways (RAP/CTS) scholarship valued at \$1,000 each. 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](https://tradesecrets.alberta.ca)

**Table 11****Number of Apprentices Registered by Apprenticeship Program - Total, Indigenous and Women, 2021<sup>1</sup>**

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered (Note 1)	Women Apprentices Registered
Agricultural Equipment Technician	166	2	5
Appliance Service Technician	94	3	1
Appliance Service Technician	80	2	1
Commercial Appliance Service Technician	14	1	0
Auto Body Technician	509	13	57
Auto Body Technician	388	12	42
Auto Body Prepper	27	0	5
Auto Body Refinisher	59	1	10
Auto Body Repairer	35	0	0
Automotive Service Technician	3,042	126	106
Baker	115	9	91
Boilermaker	410	29	28
Bricklayer	88	2	4
Cabinetmaker	191	9	39
Carpenter	2,275	197	148
Communication Technician	39	0	3
Concrete Finisher	9	0	0
Cook	520	47	219
Crane and Hoisting Equipment Operator	1,353	69	26
Boom Truck Operator	392	26	10
Mobile Crane Operator	448	27	15
Tower Crane Operator	41	2	0
Wellhead Boom Truck Operator	472	14	1
Electric Motor Systems Technician	36	3	1
Electrician	6,961	338	411
Elevator Constructor	154	5	1
Floorcovering Installer	18	0	1
Gasfitter	552	18	11
Gasfitter A	327	7	9
Gasfitter B	225	11	2
Glazier	195	6	12
Hairstylist	2,736	181	2,231
Barber	173	9	27
Hairstylist	2,563	172	2,204
Heavy Equipment Technician	4,413	257	152
Heavy Equipment Technician	3,149	189	119
Heavy Duty Equipment Mechanic (Off Road)	432	31	18
Transport Trailer Mechanic	95	3	0
Truck and Transport Mechanic	737	34	15
Industrial Mechanic (Millwright)	1,416	104	64
Instrumentation and Control Technician	942	40	43
Insulator (Heat and Frost)	317	19	60

**Table 11 (Cont.)**

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered (Note 1)	Women Apprentices Registered
Ironworker	682	166	37
Ironworker (Generalist) (Note 2)	12	2	0
Ironworker (Metal Building Systems Erector)	48	4	3
Ironworker (Reinforcing)	347	118	25
Ironworker (Structural/Ornamental)	275	42	9
Landscape Horticulturist	130	5	51
Lather (Interior Systems Mechanic)	31	3	2
Locksmith	117	1	6
Machinist	360	13	18
Metal Fabricator (Fitter)	39	0	1
Motorcycle Mechanic	133	4	6
Natural Gas Compression Technician	3	1	0
Outdoor Power Equipment Technician	57	4	3
Power	27	3	2
Recreational	30	1	1
Painter and Decorator	29	3	9
Parts Technician	719	37	304
Parts Technician	678	36	277
Materials Technician	41	1	27
Plumber	2,641	181	116
Powerline Technician	261	28	8
Power System Electrician	99	5	0
Recreation Vehicle Service Technician	131	6	9
Refrigeration and Air Conditioning Mechanic	932	44	23
Roofer	173	9	3
Sheet Metal Worker	1,007	59	30
Sprinkler Systems Installer	176	9	6
Steamfitter-Pipefitter	1,991	151	149
Transport Refrigeration Technician	14	0	0
Water Well Driller	17	1	0
Welder	2,828	234	257
Welder	2,797	232	257
Wire Processor	31	2	0
<b>Total - Trades</b>	<b>39,121</b>	<b>2,441 (Note 1)</b>	<b>4,752</b>

Source: Alberta Advanced Education

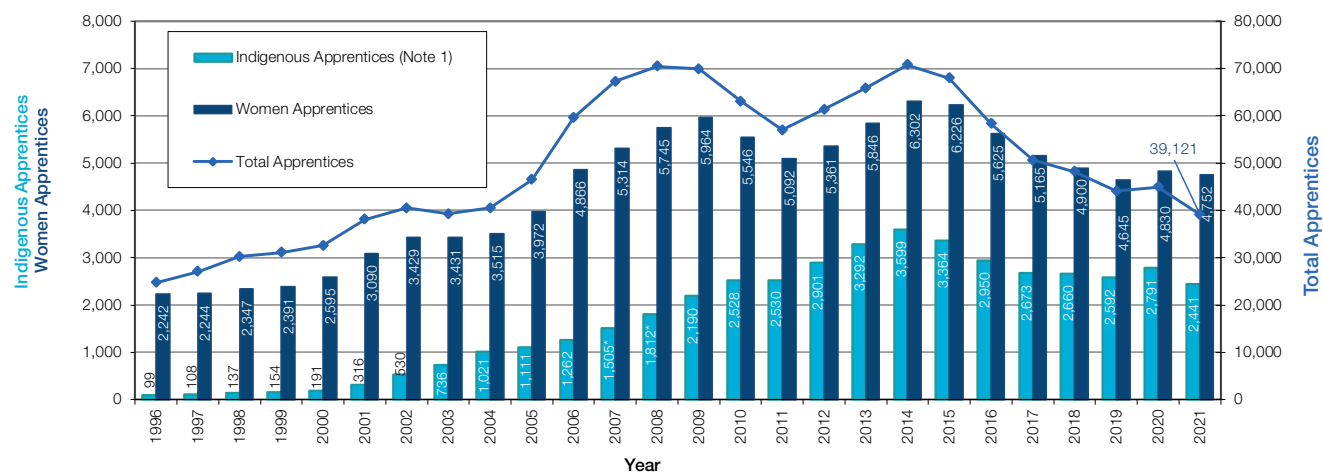
<sup>1</sup> Total number of apprentices registered as of December 31. Apprentices may be registered in more than one apprenticeship program or branch of a program within the same year, but are counted here only once.

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 apprenticeship program 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



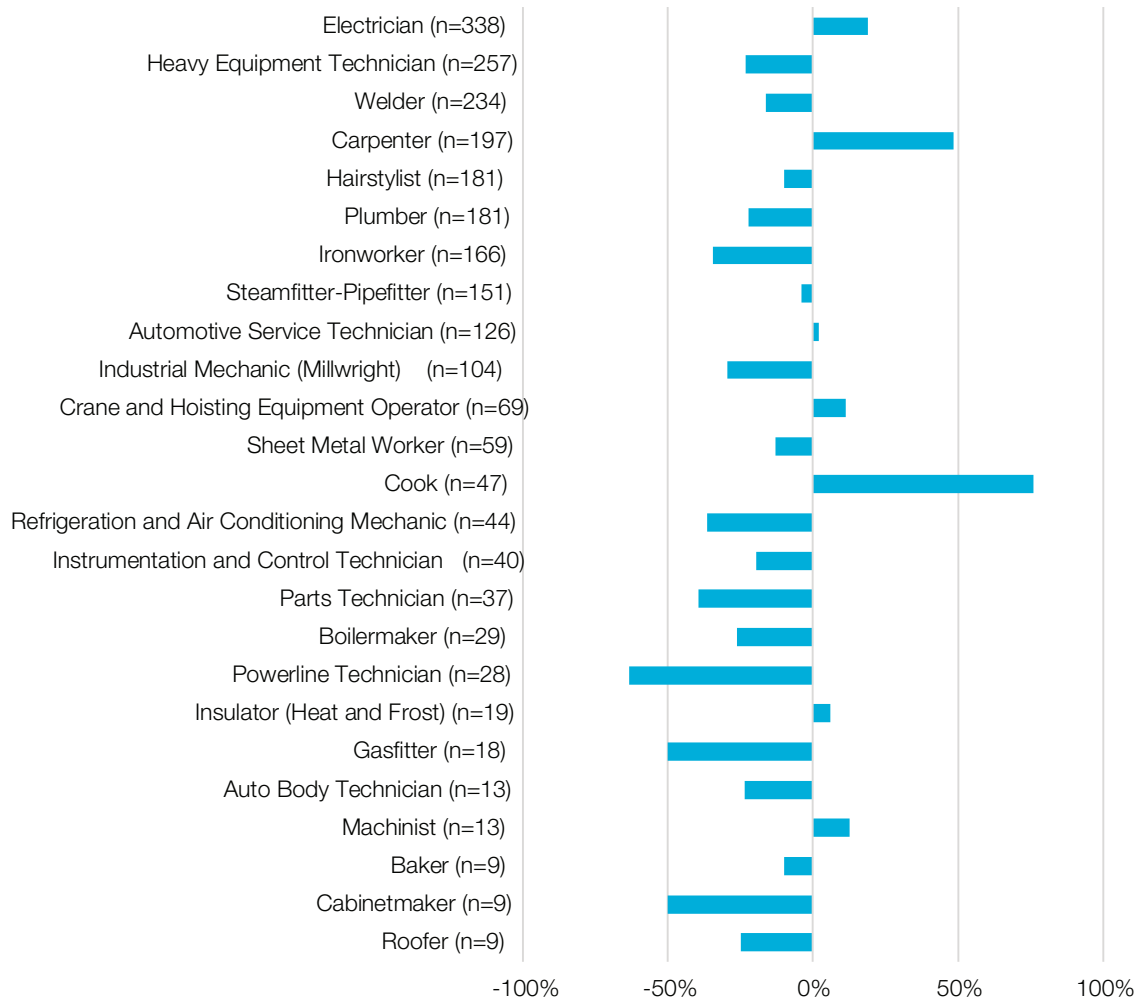
Source: Alberta Advanced Education

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 future years.

## Chart 9

Per Cent Changes of Indigenous Apprentices Registered<sup>1</sup> by Designated Trade Between 2016 and 2021



<sup>1</sup> 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 designated trades 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, 2021. The list of designated trades is rank ordered with the highest to lowest number of Indigenous apprentices registered.

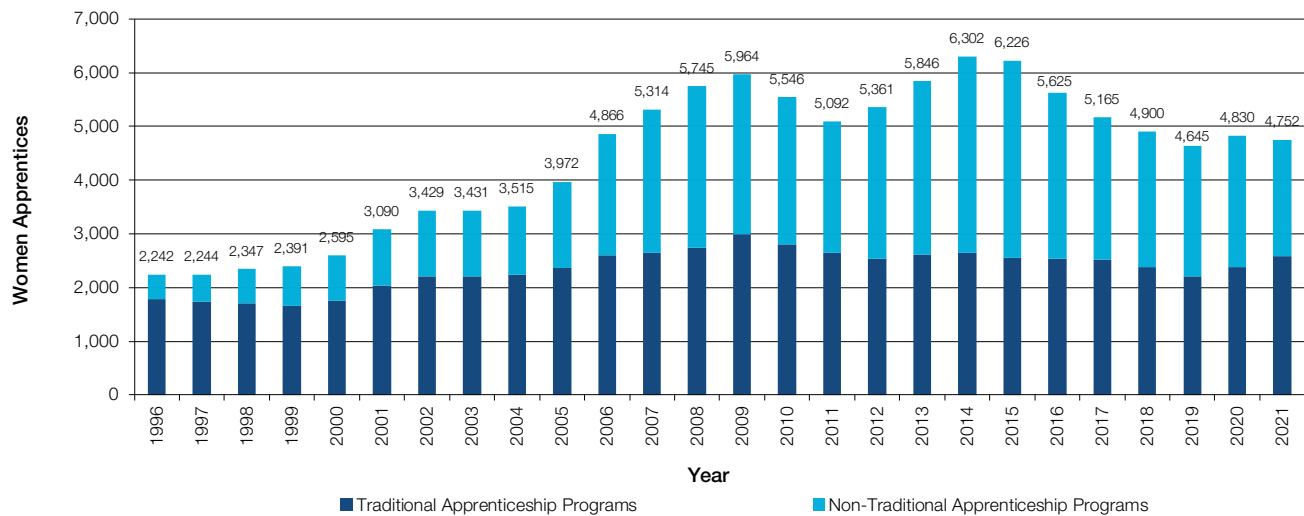
The 'n' provided is the number of Indigenous apprentices registered in the associated apprenticeship programs as of December 31, 2021.

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



## Chart 10

Total Number of Women Apprentices Registered by Year<sup>1</sup>



Source: Alberta Advanced Education

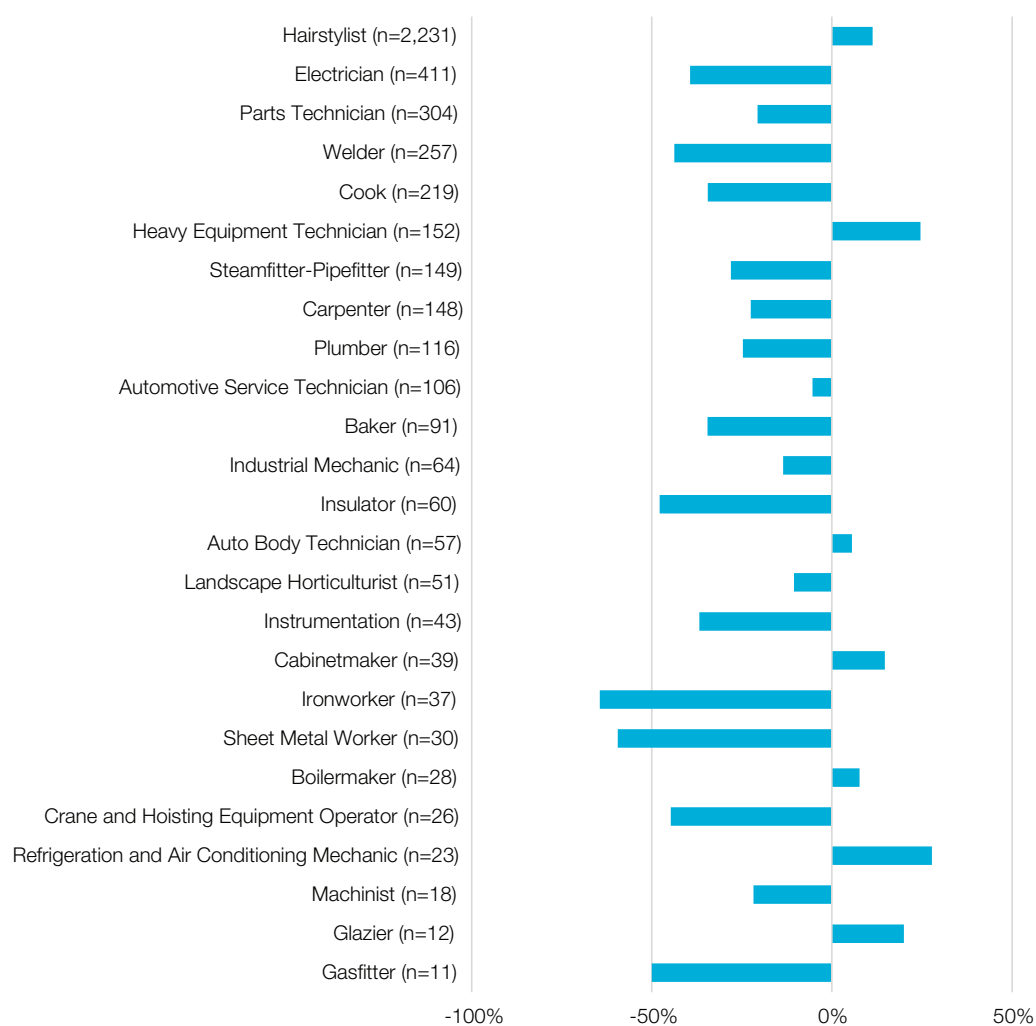
<sup>1</sup> This graph represents statistics covering a series of calendar years (January to December).

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

Per Cent Changes of Women Apprentices Registered<sup>1</sup> by Designated Trade Between 2016 and 2021



Source: Alberta Advanced Education

Notes:

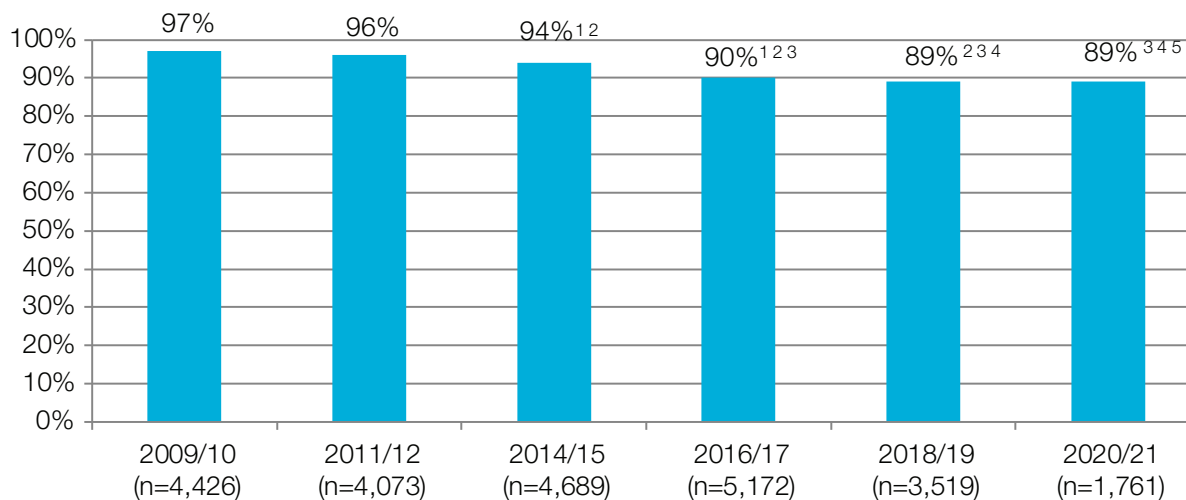
The 25 of 47 designated trades represented in the chart are those in which there were the highest number of women apprentices registered in the associated apprenticeship programs as of December 31, 2021. The list of designated trades is rank ordered with the highest to lowest number of women apprentices registered.

The 'n' provided is the number of women apprentices registered in the associated apprenticeship programs as of December 31, 2021.

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 #F6X: In retrospect, based on your experience with the Alberta apprenticeship program, would you still have chosen to become an apprentice?

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

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

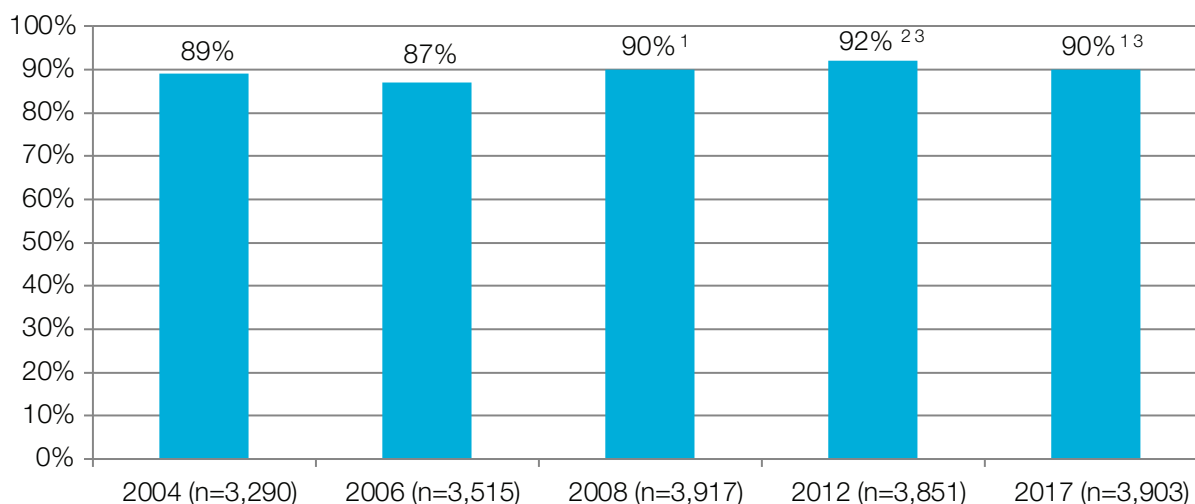
<sup>3</sup> Indicates a significant change in response at a .05 level of significance compared to three surveys previous.

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

<sup>5</sup> 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 #45: 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.

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

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

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

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