



Apprenticeship and Industry Training Statistical Profiles 2020

ISBN 978-1-4601-4709-2

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Created by: Alberta Advanced Education
Last updated: February 2021

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APPRENTICESHIP AT A GLANCE

- 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.



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 new 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.

Skills for Jobs Task Force

The Skills for Jobs Task Force was appointed in September 2019 to find ways to reimagine Alberta's apprenticeship and skilled trades system. The mandate of the Skills for Jobs Task Force was to:

- evaluate the current skills and apprenticeship system and strengthen the system, based on best practices from around the world;
- increase awareness of the value of skilled trades careers and strengthen enrolment in apprenticeship programs;
- change student and public perception so apprenticeship education is seen to be as valuable as a university degree; and
- expand the apprenticeship model to other careers and occupations.



The Skills for Jobs Task Force delivered its final report to the Minister of Advanced Education in September 2020. The 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.

For more information on apprenticeship education in Alberta, go to tradesecrets.alberta.ca.

2020 AT A GLANCE – STATISTICS AND MORE

2020 saw the onset 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 below and in the tables and charts that follow.

As of December 31, 2020...

- there were approximately 44,900 registered apprentices. Of those,
 - 4,800 were women;
 - 2,700 self-identified as Indigenous;
 - 2,600 began in RAP;
 - 148 began in a CTS Apprenticeship Pathway; and
 - 80 per cent were registered in 20 programs.
- approximately 650 high school students were registered in the Registered Apprenticeship Program (RAP), and were employed at more than 350 employer sites.

In 2020...

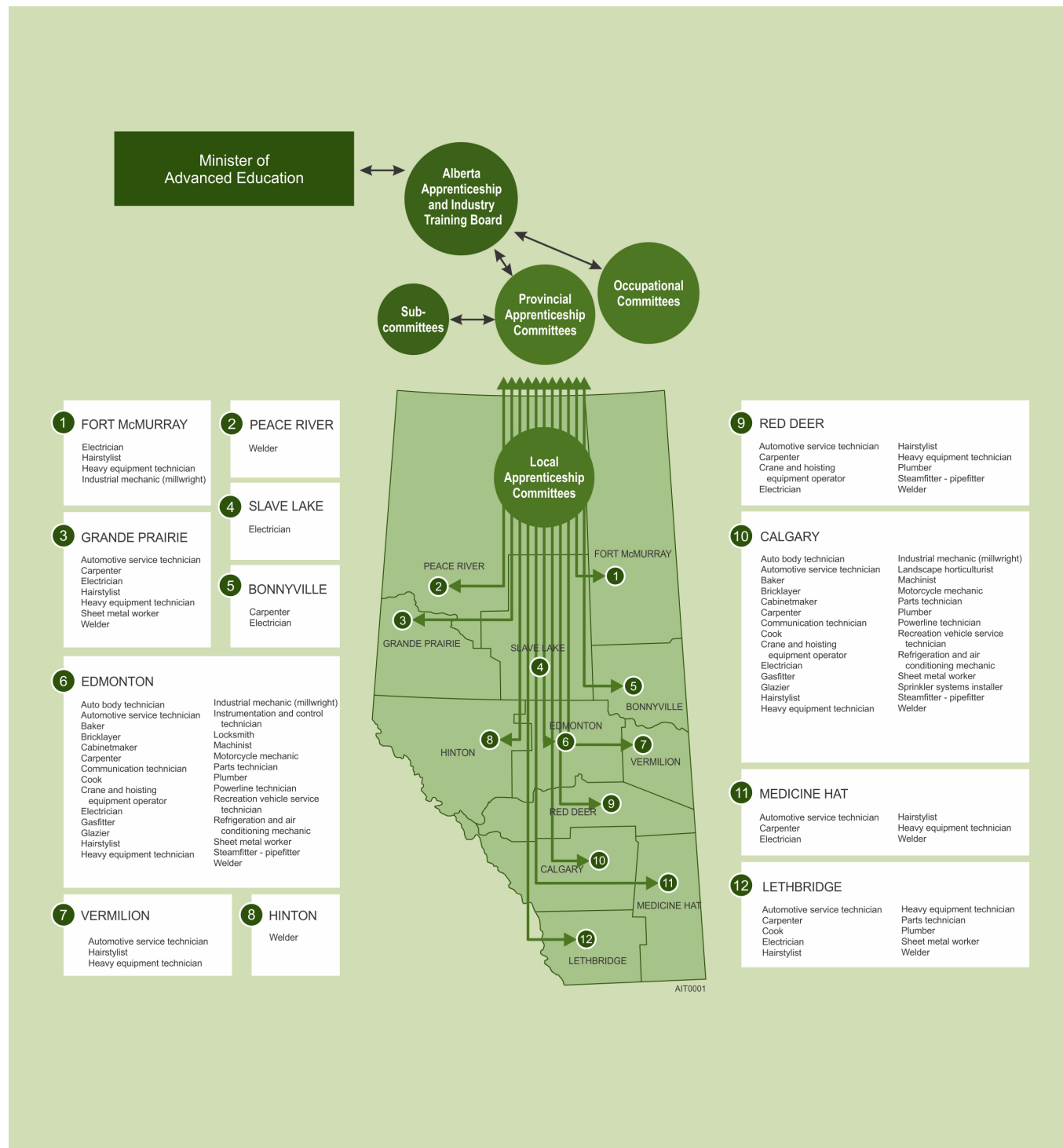
- more than 7,800 new apprentices registered.
- apprentices were being trained at more than 11,000 employer sites around Alberta.
- approximately 4,400 individuals completed their programs. (This includes completed apprentices and individuals issued occupation and qualification certificates.)
- Advanced Education staff connected with more than 15,000 employer shops to promote apprenticeship programs, and work with employers and apprentices to ensure the successful completion of apprenticeship education.
- more than 1,000 scholarships were awarded to Alberta apprentices totalling \$1 million.

Other Interesting Facts...

- More than 6,000 individuals who began their apprenticeship through RAP and 350 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 16 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 per cent 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%).



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

	2015	2016	2017	2018	2019	2020
Total Apprentices Registered (all trades)	67,955	58,337	50,611	48,206	44,115	44,928
New Apprentices Registered (all trades)	17,227	13,004	12,637	13,760	11,627	7,820

Source: Alberta Advanced Education

Total Apprentices Registered: Total number registered as of December 31, 2020. 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 completing 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: Provincial Labour Force Statistics by Year¹

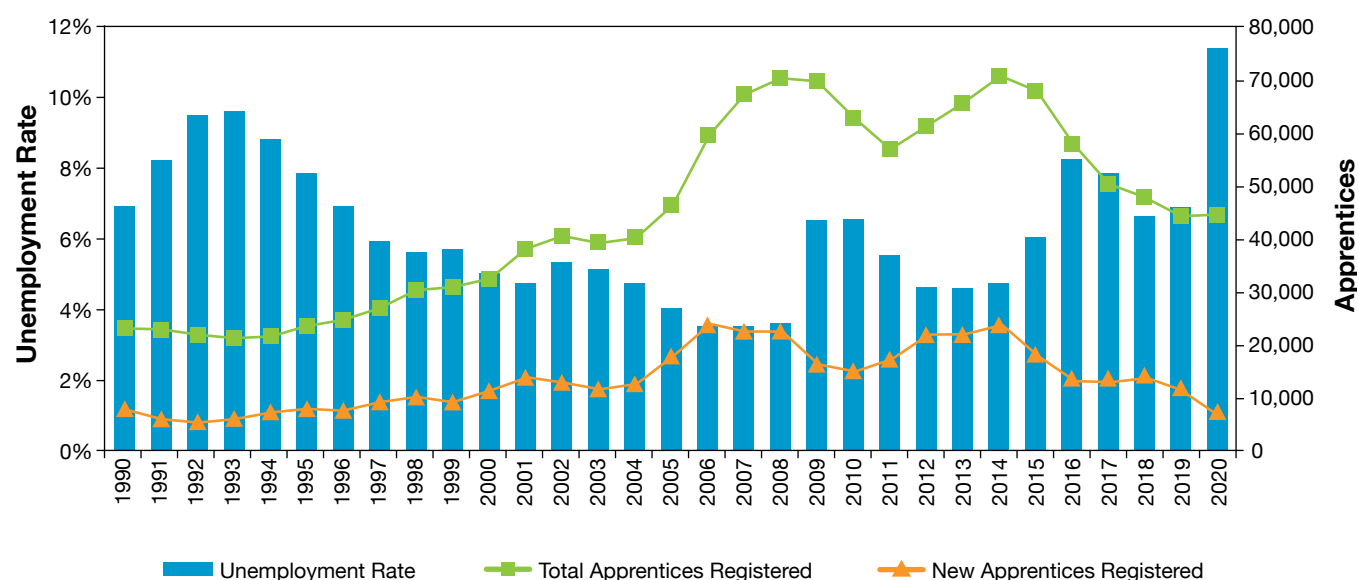
	2015	2016	2017	2018	2019	2020
Labour Force	2,391,400	2,391,000	2,412,100	2,425,300	2,450,600	2,405,000
Employed	2,246,400	2,195,700	2,220,800	2,263,600	2,279,300	2,129,800
Unemployed	145,000	195,400	191,300	161,700	171,300	275,200
Unemployment Rate (%)	6.1%	8.2%	7.9%	6.7%	7.0%	11.4%

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 Labour, Statistics Canada

TABLE 2

Total Number of Apprentices Registered by Apprenticeship Program¹

APPRENTICESHIP PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Agricultural Equipment Technician ■	199	164	161	170	166	170	2%
Appliance Service Technician	75	75	73	77	89	111	25%
Appliance Service Technician • ■	68	70	66	70	78	93	19%
Commercial Appliance Service Technician •	7	5	7	7	11	18	64%
Auto Body Technician	661	665	636	669	620	632	2%
Auto Body Technician • ■	514	504	500	521	466	490	5%
Auto Body Prepper •	20	24	19	27	31	23	-26%
Auto Body Refinisher • ■ (Note 1)	87	94	78	76	73	75	3%
Auto Body Repairer • (Note 1)	40	43	39	45	50	44	-12%
Automotive Service Technician • ■	3,205	3,068	3,018	3,066	3,104	3,353	8%
Baker ■	174	177	183	187	165	139	-16%
Boilermaker • ■	478	527	470	544	536	537	0%
Bricklayer ■	182	170	158	117	90	95	6%
Cabinetmaker ■	258	257	263	261	245	250	2%
Carpenter ■	3,374	3,104	2,799	2,670	2,443	2,562	5%
Communication Technician	140	135	95	96	87	73	-16%
Concrete Finisher ■	71	57	43	34	26	20	-23%
Cook ■	976	977	875	802	729	666	-9%
Crane and Hoisting Equipment Operator	3,017	2,354	1,892	1,944	1,616	1,322	-18%
Boom Truck Operator •	1,014	827	614	609	493	331	-33%
Mobile Crane Operator • ■	1,042	804	586	519	524	502	-4%
Tower Crane Operator • ■	75	53	48	68	47	60	28%
Wellhead Boom Truck Operator •	886	670	644	748	552	429	-22%
Electric Motor Systems Technician ■	34	35	33	44	41	41	0%
Electrician • ■	13,258	11,714	10,321	9,201	7,983	7,965	0%
Elevator Constructor •	253	318	289	254	196	144	-27%
Floorcovering Installer ■	43	35	32	32	24	17	-29%
Gasfitter	529	506	486	517	488	530	9%
Gasfitter A • ■	450	420	397	406	362	341	-6%
Gasfitter B • ■	79	86	89	111	126	189	50%
Glazier	270	287	290	252	239	243	2%
Glazier ■	268	287	290	252	239	243	2%
Auto Glass Technician (Note 2)	2	0	N/A	N/A	N/A	N/A	N/A
Hairstylist	2,222	2,218	2,241	2,248	2,194	2,496	14%
Barber • (Note 3)	N/A	N/A	N/A	N/A	N/A	90	N/A
Hairstylist • ■	2,222	2,218	2,241	2,248	2,194	2,406	10%
Heavy Equipment Technician	6,195	4,933	4,214	4,539	4,797	4,963	3%
Heavy Equipment Technician •	4,970	3,842	3,191	3,379	3,508	3,578	2%
Heavy Duty Equipment Mechanic (Off Road) • ■	443	387	361	412	441	469	6%
Transport Trailer Mechanic •	145	117	101	106	138	142	3%
Truck and Transport Mechanic • ■	637	587	561	642	710	774	9%
Industrial Mechanic (Millwright) ■	2,176	1,814	1,554	1,544	1,564	1,603	2%
Instrumentation and Control Technician ■	1,956	1,580	1,429	1,349	1,201	1,211	1%
Insulator (Heat and Frost) ■	786	756	826	823	453	412	-9%
Ironworker	1,665	1,647	1,156	1,001	1,028	1,067	4%
Ironworker (Generalist) • ■ (Note 4)	371	358	265	120	45	25	-44%
Ironworker (Metal Building Systems Erector) •	91	77	56	65	102	105	3%
Ironworker (Reinforcing) • ■	337	270	316	444	508	557	10%
Ironworker (Structural/Ornamental) • ■	866	942	519	372	373	380	2%

(continued)

TABLE 2 (continued)

Total Number of Apprentices Registered by Apprenticeship Program¹

APPRENTICESHIP PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Landscape Horticulturist ■	147	155	147	141	118	127	8%
Lather (Interior Systems Mechanic) ■	118	111	98	83	73	56	-23%
Locksmith	133	143	127	122	119	130	9%
Machinist ■	753	529	367	425	457	480	5%
Metal Fabricator (Fitter) ■	129	99	76	64	68	57	-16%
Motorcycle Mechanic • ■	203	186	148	141	117	131	12%
Natural Gas Compression Technician	28	24	19	14	7	5	-29%
Outdoor Power Equipment Technician	58	63	61	54	50	50	0%
Power	14	20	26	22	23	26	13%
Recreational	44	43	35	32	27	24	-11%
Painter and Decorator ■	95	120	78	61	55	44	-20%
Parts Technician	1,128	953	793	798	804	814	1%
Parts Technician ■	1,010	852	722	736	743	757	2%
Materials Technician	118	101	71	62	61	57	-7%
Plumber • ■ (Note 5)	4,047	3,775	3,330	3,150	2,816	2,833	1%
Powerline Technician ■	882	672	528	448	336	343	2%
Power System Electrician	455	260	197	160	137	125	-9%
Recreation Vehicle Service Technician • ■	157	151	138	129	120	118	-2%
Refrigeration and Air Conditioning Mechanic • ■	822	844	795	877	891	951	7%
Rig Technician • ■ (Note 6)	1,797	1,147	823	869	0	0	N/A
Roofer ■	190	217	220	201	181	178	-2%
Sheet Metal Worker • ■	1,375	1,428	1,342	1,435	1,223	1,214	-1%
Sprinkler Systems Installer ■	338	322	285	240	194	199	3%
Steamfitter-Pipefitter • ■	5,261	4,211	3,334	2,438	2,410	2,708	12%
Tilesetter ■ (Note 7)	20	11	11	5	2	0	-100%
Transport Refrigeration Technician	33	25	29	34	26	22	-15%
Water Well Driller	45	34	26	20	19	15	-21%
Welder	7,544	5,284	4,102	3,856	3,768	3,706	-2%
Welder • ■	7,490	5,248	4,072	3,803	3,727	3,660	-2%
Wire Processor •	54	36	30	53	41	46	12%
Total	67,955	58,337	50,611	48,206	44,115	44,928	2%

Source: Alberta Advanced Education

¹ Total number registered as of December 31, 2020. 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
■ = Red Seal trade

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

Note 1: In 2020, three of the 75 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 Program¹

APPRENTICESHIP PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Agricultural Equipment Technician	57	33	47	68	54	33	-39%
Appliance Service Technician	19	27	29	29	31	42	35%
Appliance Service Technician	18	26	24	25	24	35	46%
Commercial Appliance Service Technician	1	1	5	4	7	7	0%
Auto Body Technician	176	208	183	215	163	115	-29%
Auto Body Technician	133	144	138	162	102	83	-19%
Auto Body Prepper	14	16	9	16	12	5	-58%
Auto Body Refinisher (Note 1)	22	32	23	22	31	20	-35%
Auto Body Repairer (Note 1)	7	16	13	15	18	7	-61%
Automotive Service Technician	856	712	766	848	804	620	-23%
Baker	62	57	68	61	37	31	-16%
Boilermaker	134	199	88	216	100	88	-12%
Bricklayer	64	53	36	20	16	32	100%
Cabinetmaker	71	80	90	80	68	35	-49%
Carpenter	935	758	758	745	620	517	-17%
Communication Technician	48	34	25	27	20	9	-55%
Concrete Finisher	38	18	16	12	10	4	-60%
Cook	348	321	275	239	209	141	-33%
Crane and Hoisting Equipment Operator	763	489	629	604	392	277	-29%
Boom Truck Operator	266	160	206	169	107	78	-27%
Mobile Crane Operator	261	188	145	124	150	116	-23%
Tower Crane Operator	38	12	17	34	15	22	47%
Wellhead Boom Truck Operator	198	129	261	277	120	61	-49%
Electric Motor Systems Technician	7	15	10	17	12	6	-50%
Electrician	2,956	1,923	1,809	1,761	1,363	1,097	-20%
Elevator Constructor	89	96	28	14	16	8	-50%
Floorcovering Installer	19	10	9	15	4	4	0%
Gasfitter	230	182	183	180	153	165	8%
Gasfitter A	180	141	135	130	95	79	-17%
Gasfitter B	50	41	48	50	58	86	48%
Glazier	84	87	93	63	62	40	-35%
Hairstylist	719	801	876	908	780	595	-24%
Barber (Note 2)	N/A	N/A	N/A	N/A	N/A	85	N/A
Hairstylist	719	801	876	908	780	510	-35%
Heavy Equipment Technician	1,305	849	1,116	1,508	1,506	811	-46%
Heavy Equipment Technician	854	548	751	1,054	1,015	482	-53%
Heavy Duty Equipment Mechanic (Off Road)	178	105	130	159	169	114	-33%
Transport Trailer Mechanic	57	45	47	52	83	29	-65%
Truck and Transport Mechanic	216	151	188	243	239	186	-22%
Industrial Mechanic (Millwright)	450	337	377	481	467	260	-44%
Instrumentation and Control Technician	418	354	391	410	319	202	-37%
Insulator (Heat and Frost)	252	276	290	262	55	55	0%
Ironworker	746	594	330	375	460	222	-52%
Ironworker (Generalist) (Note 3)	156	146	58	4	N/A	N/A	N/A
Ironworker (Metal Building Systems Erector)	40	21	23	32	68	25	-63%
Ironworker (Reinforcing)	188	123	180	264	275	130	-53%
Ironworker (Structural/Ornamental)	362	304	69	75	117	67	-43%
Landscape Horticulturist	44	49	42	31	42	40	-5%

(continued)

TABLE 3 (continued)

New Apprentices Registered by Apprenticeship Program¹

APPRENTICESHIP PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Lather (Interior Systems Mechanic)	44	37	27	28	16	11	-31%
Locksmith	40	30	37	39	29	29	0%
Machinist	135	61	85	156	136	69	-49%
Metal Fabricator (Fitter)	37	22	26	25	22	9	-59%
Motorcycle Mechanic	66	49	38	49	29	30	3%
Natural Gas Compression Technician	5	4	0	4	0	0	N/A
Outdoor Power Equipment Technician	23	24	22	16	20	16	-20%
Power	4	8	12	5	9	11	22%
Recreational	19	16	10	11	11	5	-55%
Painter and Decorator	31	63	21	19	23	4	-83%
Parts Technician	342	246	219	301	261	163	-38%
Parts Technician	299	200	194	278	235	155	-34%
Materials Technician	43	46	25	23	26	8	-69%
Plumber (Note 4)	1,105	785	614	694	531	469	-12%
Powerline Technician	205	86	150	111	77	52	-32%
Power System Electrician	163	56	58	35	41	23	-44%
Recreation Vehicle Service Technician	52	47	36	36	30	30	0%
Refrigeration and Air Conditioning Mechanic	213	230	186	291	236	173	-27%
Rig Technician (Note 5)	323	77	86	194	31	N/A	N/A
Roofer	69	100	63	62	61	33	-46%
Sheet Metal Worker	386	384	318	387	235	152	-35%
Sprinkler Systems Installer	121	75	67	56	48	36	-25%
Steamfitter-Pipefitter	1,318	1,048	810	793	801	446	-44%
Tilesetter (Note 6)	6	2	3	0	0	0	N/A
Transport Refrigeration Technician	7	9	23	10	7	3	-57%
Water Well Driller	8	9	7	5	5	2	-60%
Welder	1,638	998	1,177	1,260	1,225	621	-49%
Welder	1,625	983	1,164	1,228	1,205	609	-49%
Wire Processor	13	15	13	32	20	12	-40%
Total	17,227	13,004	12,637	13,760	11,627	7,820	-33%

Source: Alberta Advanced Education

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 completing 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 2019, four of the 31 individuals registered in the refinisher branch of the auto body technician apprenticeship program were also registered in other branches 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.

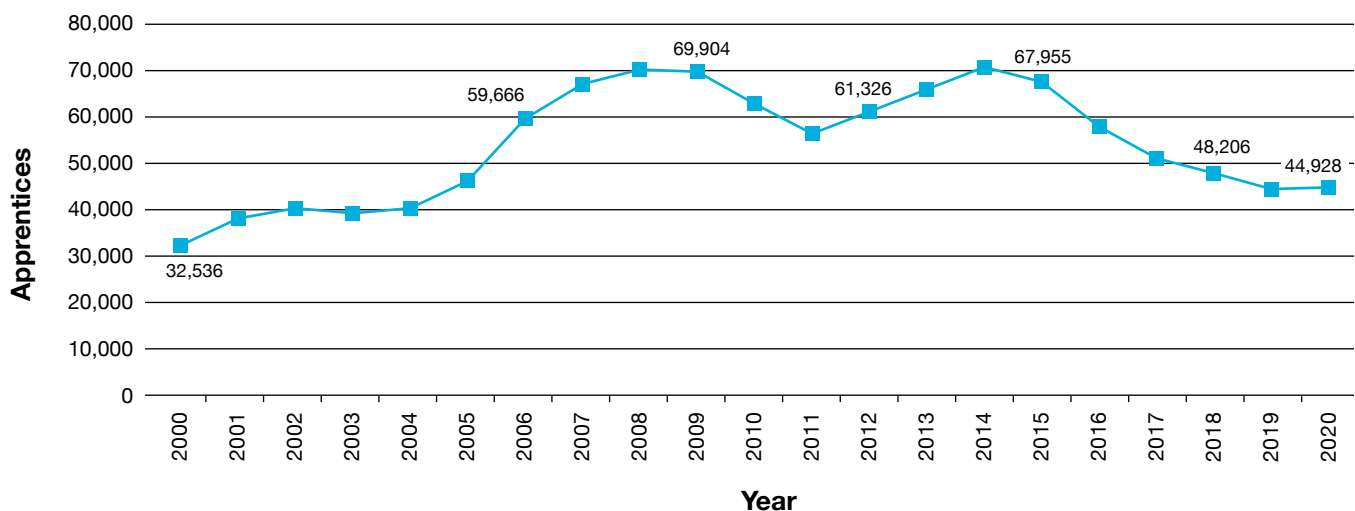
Note 4: Effective August 3, 2017, plumber is being reported as a single parent apprenticeship program in accordance with the Plumber Trade Regulation. In prior Statistical Profiles, the plumber apprenticeship program data was divided by 'plumber & gasfitter B' and 'plumber' to distinguish between plumber 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. 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 6: Effective April 30, 2020, the designation of the tilesetter trade was rescinded.

CHART 2

Total Number of Apprentices Registered by Year¹

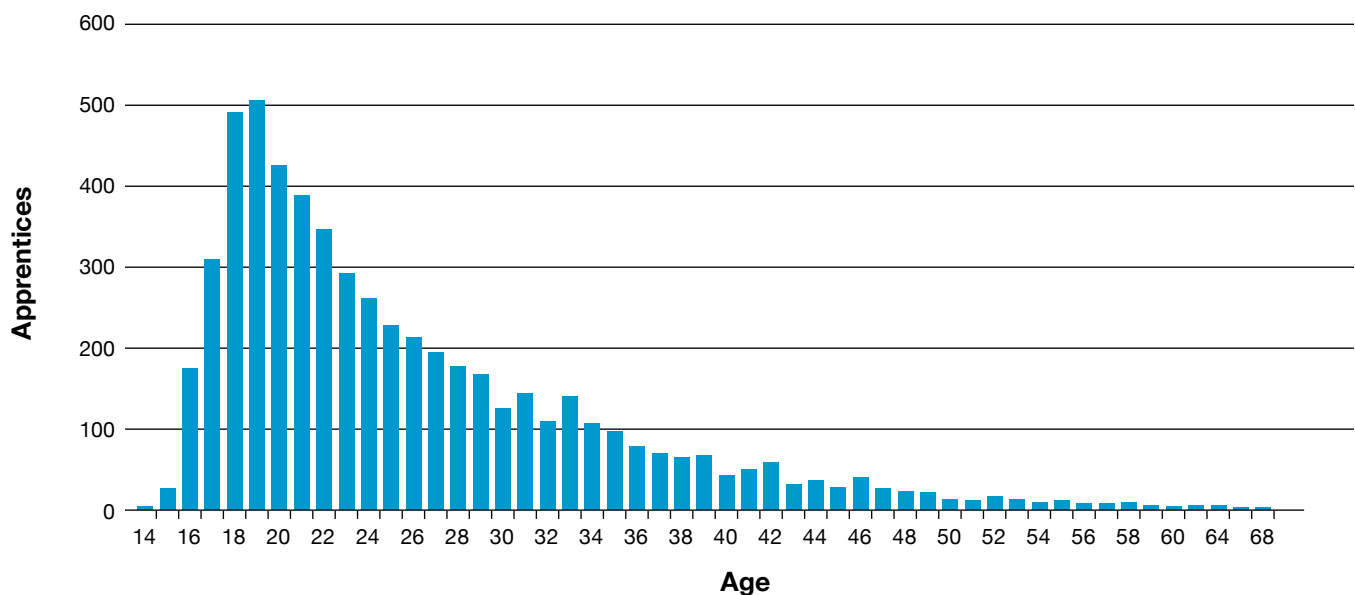


Source: Alberta Advanced Education

¹ 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, 2020¹



Total number of Alberta apprentices registering in their first apprenticeship program in 2020 = 5,618²

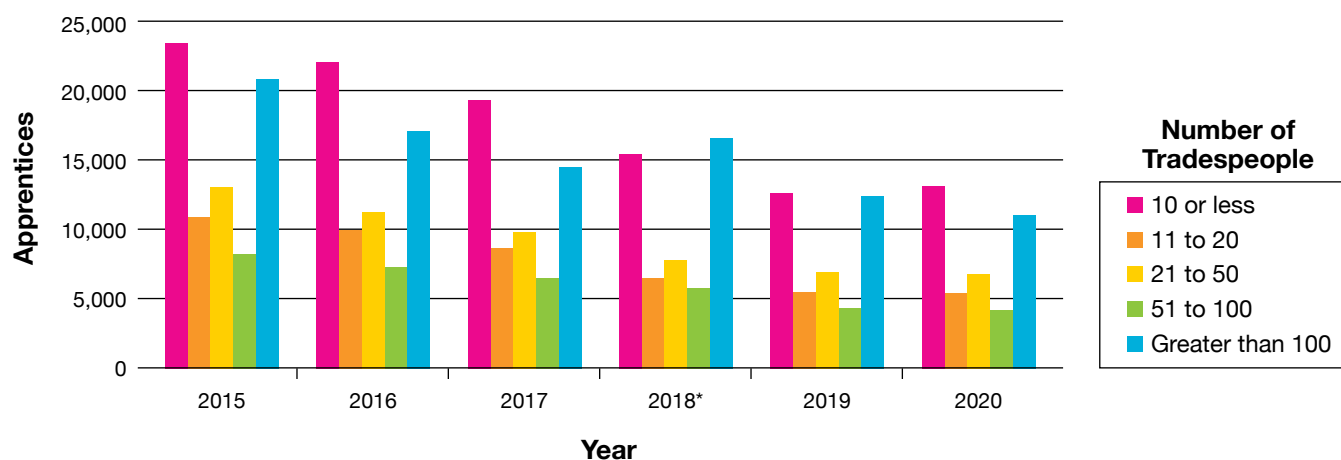
Source: Alberta Advanced Education

¹ Age at date of registration.

² The 5,618 total in the chart above includes only individuals registering in their first apprenticeship program in Alberta in 2020. This number differs from the total number of new apprentices registered (7,820) 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 completing one or more apprenticeship programs in previous years.

CHART 4

Total Apprentices Being Trained by Employer Size¹



Source: Alberta Advanced Education

¹ 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, 2020¹

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	16	13	3	3
Appliance Service Technician	9	8	7	6
Appliance Service Technician	9	8	6	6
Commercial Appliance Service Technician	0	N/A	1	N/A
Auto Body Technician	58	45	6	5
Auto Body Technician	34	7	5	4
Auto Body Prepper	2	N/A	0	N/A
Auto Body Refinisher	19	38	1	1
Auto Body Repairer	3	N/A	0	N/A
Automotive Service Technician	256	231	21	20
Baker	15	10	4	4
Boilermaker	36	34	1	1
Bricklayer	17	9	0	0
Cabinetmaker	13	13	2	2
Carpenter	223	142	6	6
Communication Technician	5	N/A	0	N/A
Concrete Finisher	8	7	0	0
Cook	63	41	33	29

(continued)

TABLE 4 (continued)

Total Number of Individuals Certified by Program, 2020¹

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)
Crane and Hoisting Equipment Operator	112	53	3	1
Boom Truck Operator	31	N/A	2	N/A
Mobile Crane Operator	55	52	0	0
Tower Crane Operator	2	1	1	1
Wellhead Boom Truck Operator	24	N/A	0	N/A
Electric Motor Systems Technician	1	1	1	1
Electrician	839	370	16	15
Elevator Constructor	57	N/A	1	N/A
Floorcovering Installer	1	1	0	0
Gasfitter	45	217	15	10
Gasfitter A	33	13	6	3
Gasfitter B	12	204	9	7
Glazier	20	19	0	0
Hairstylist	168	89	56	46
Barber (Note 4)	0	N/A	0	N/A
Hairstylist	168	89	56	46
Heavy Equipment Technician	476	368	55	50
Heavy Equipment Technician	276	N/A	7	N/A
Heavy Duty Equipment Mechanic (Off Road)	90	115	20	20
Transport Trailer Mechanic	19	N/A	1	N/A
Truck and Transport Mechanic	91	253	27	30
Industrial Mechanic (Millwright)	170	139	9	8
Instrumentation and Control Technician	117	48	7	6
Insulator (Heat and Frost)	41	29	0	0
Ironworker	67	26	18	13
Ironworker (Generalist) (Note 5)	10	3	0	0
Ironworker (Metal Building Systems Erector)	2	N/A	2	N/A
Ironworker (Reinforcing)	14	10	8	7
Ironworker (Structural/Ornamental)	41	13	8	6
Landscape Horticulturist	19	18	1	0
Lather (Interior Systems Mechanic)	11	11	7	7
Locksmith	16	0	0	N/A
Machinist	25	16	0	0
Metal Fabricator (Fitter)	2	2	2	1
Motorcycle Mechanic	11	10	4	4
Natural Gas Compression Technician	0	N/A	0	N/A
Outdoor Power Equipment Technician	6	N/A	2	N/A
Power	3	N/A	1	N/A
Recreational	3	N/A	1	N/A
Painter and Decorator	2	0	3	3
Parts Technician	90	60	14	11
Parts Technician	86	60	13	11
Materials Technician	4	N/A	1	N/A

(continued)

TABLE 4 (continued)

Total Number of Individuals Certified by Program, 2020¹

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)
Plumber	318	78	5	5
Powerline Technician	38	36	2	2
Power System Electrician	14	N/A	4	N/A
Recreation Vehicle Service Technician	28	21	2	2
Refrigeration and Air Conditioning Mechanic	82	61	0	0
Rig Technician (Note 6)	3	3	0	0
Roofer	28	19	5	3
Sheet Metal Worker	81	29	0	0
Sprinkler Systems Installer	20	19	0	0
Steamfitter-Pipefitter	51	30	19	15
Tilesetter (Note 7)	0	0	0	0
Transport Refrigeration Technician	1	N/A	0	N/A
Water Well Driller	1	N/A	1	N/A
Welder	360	271	25	23
Welder	355	271	24	23
Wire Processor	5	N/A	1	N/A
Total - Trades	4,040	2,597	360	302
Cathodic Protection Technician	15	N/A	N/A	N/A
Construction Craft Worker	1	0	N/A	1
Field Heat Treatment Technician	10	N/A	N/A	N/A
Gas Utility Operator	9	N/A	N/A	N/A
Industrial Construction Crew Supervisor	27	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
Total - Occupations	64	0	N/A	1
TOTAL	4,104	2,597	360	303

Source: Alberta Advanced Education

¹ Individuals issued more than one certificate in 2020 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 2020 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 April 30, 2020, barber was designated as a branch of the hairstylist trade.

Note 5: 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 6: 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 5

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Program¹

PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Agricultural Equipment Technician	20	33	33	27	34	19	-44%
Appliance Service Technician	14	13	18	10	12	16	33%
Appliance Service Technician	8	11	16	8	11	15	36%
Commercial Appliance Service Technician	6	2	2	2	1	1	0%
Auto Body Technician	100	100	97	95	107	64	-40%
Auto Body Technician	49	42	55	44	64	39	-39%
Auto Body Prepper	4	3	3	2	4	2	-50%
Auto Body Refinisher	30	36	35	37	31	20	-35%
Auto Body Repairer	17	19	4	12	8	3	-63%
Automotive Service Technician	485	443	401	499	486	277	-43%
Baker	44	36	40	32	35	19	-46%
Boilermaker	71	80	71	74	56	37	-34%
Bricklayer	29	27	22	22	23	17	-26%
Cabinetmaker	48	30	23	32	30	15	-50%
Carpenter	435	368	377	359	394	229	-42%
Communication Technician	10	8	15	7	9	5	-44%
Concrete Finisher	19	24	17	17	10	8	-20%
Cook	306	217	206	176	143	96	-33%
Crane and Hoisting Equipment Operator	557	517	412	293	270	115	-57%
Boom Truck Operator	188	150	111	84	79	33	-58%
Mobile Crane Operator	172	279	207	112	70	55	-21%
Tower Crane Operator	11	14	15	11	16	3	-81%
Wellhead Boom Truck Operator	186	74	79	86	105	24	-77%
Electric Motor Systems Technician	8	7	8	3	6	2	-67%
Electrician	1,545	1,641	1,648	1,673	1,570	855	-46%
Elevator Constructor	20	24	32	39	63	58	-8%
Floorcovering Installer	0	6	3	7	2	1	-50%
Gasfitter	90	115	141	112	103	60	-42%
Gasfitter A	74	97	109	86	73	39	-47%
Gasfitter B	16	18	32	26	30	21	-30%
Glazier	30	32	31	37	31	20	-35%
Glazier	30	32	31	37	31	20	-35%
Auto Glass Technician (Note 1)	0	0	N/A	N/A	N/A	N/A	N/A
Hairstylist	528	538	540	562	579	224	-61%
Barber	N/A	N/A	N/A	N/A	N/A	0	N/A
Hairstylist (Note 2)	528	538	540	562	579	224	-61%
Heavy Equipment Technician	1,012	1,100	1,146	938	916	531	-42%
Heavy Equipment Technician	611	715	753	569	524	283	-46%
Heavy Duty Equipment Mechanic (Off Road)	161	159	155	164	169	110	-35%
Transport Trailer Mechanic	40	36	39	37	39	20	-49%
Truck and Transport Mechanic	200	190	199	168	184	118	-36%

(continued)

TABLE 5 (continued)

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Program¹

PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Industrial Mechanic (Millwright)	284	423	443	335	274	179	-35%
Instrumentation and Control Technician	291	323	332	259	238	124	-48%
Insulator (Heat and Frost)	90	96	81	92	117	41	-65%
Ironworker	197	151	168	166	146	85	-42%
Ironworker (Generalist) <i>(Note 3)</i>	17	14	25	26	24	10	-58%
Ironworker (Metal Building Systems Erector)	16	25	14	10	15	4	-73%
Ironworker (Reinforcing)	48	32	27	44	24	22	-8%
Ironworker (Structural/Ornamental)	116	80	102	86	83	49	-41%
Landscape Horticulturist	21	17	25	21	30	20	-33%
Lather (Interior Systems Mechanic)	10	18	13	16	4	18	350%
Locksmith	4	10	13	17	15	16	7%
Machinist	87	129	112	74	63	25	-60%
Metal Fabricator (Fitter)	22	18	27	15	8	4	-50%
Motorcycle Mechanic	35	34	23	29	29	15	-48%
Natural Gas Compression Technician	3	2	6	6	6	0	-100%
Outdoor Power Equipment Technician	10	9	8	6	10	8	-20%
Power	5	2	4	0	3	4	33%
Recreational	5	7	4	6	7	4	-43%
Painter and Decorator	15	19	24	11	13	5	-62%
Parts Technician	223	205	209	180	136	104	-24%
Parts Technician	205	181	191	171	126	99	-21%
Materials Technician	18	24	18	9	10	5	-50%
Plumber <i>(Note 4)</i>	446	409	420	505	522	323	-38%
Powerline Technician	170	162	240	155	107	40	-63%
Power System Electrician	88	96	45	44	36	18	-50%
Recreation Vehicle Service Technician	13	22	23	30	17	30	76%
Refrigeration and Air Conditioning Mechanic	131	122	121	116	127	82	-35%
Rig Technician <i>(Note 5)</i>	246	159	54	73	26	3	-88%
Roofer	39	28	38	41	30	33	10%
Sheet Metal Worker	130	90	96	113	141	81	-43%
Sprinkler Systems Installer	26	43	37	53	41	20	-51%
Steamfitter-Pipefitter	675	822	844	868	203	70	-66%
Tilesetter <i>(Note 6)</i>	2	2	1	0	1	0	-100%
Transport Refrigeration Technician	3	9	5	3	6	1	-83%
Water Well Driller	7	13	13	6	5	2	-60%
Welder	1,636	1,437	1,301	893	623	385	-38%
Welder	1,624	1,430	1,296	889	618	379	-39%
Wire Processor	12	7	5	4	5	6	20%
Total - Trades	10,275	10,227	10,003	9,141	7,853	4,400	-44%

(continued)

TABLE 5 (continued)

Completed Apprentices Combined with Individuals Issued Qualification Certificates, and Individuals Issued Occupation Certificates by Program¹

PROGRAM	2015	2016	2017	2018	2019	2020	2019-20 % change
Cathodic Protection Technician	108	56	39	39	28	15	-46%
Construction Craft Worker <i>(Note 7)</i>	9	9	4	3	3	1	-67%
Field Heat Treatment Technician	16	10	7	10	12	10	-17%
Gas Utility Operator	16	20	20	21	7	9	29%
Industrial Construction Crew Supervisor	255	239	202	78	53	27	-49%
Oil and Gas Transportation Services	0	0	2	0	0	0	N/A
Overhead Door Technician	1	0	6	8	3	2	-33%
Residential Construction Site Manager	0	1	2	1	1	0	-100%
Slickline Services	0	0	0	0	0	0	N/A
Snubbing Services	1	2	1	0	0	0	N/A
Steel Detailer	0	0	0	0	0	0	N/A
Well Testing Services Supervisor	0	0	4	0	0	0	N/A
Total - Occupations	406	337	287	160	107	64	-40%
TOTAL	10,681	10,564	10,290	9,301	7,960	4,464	-44%

Source: Alberta Advanced Education

¹ 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.

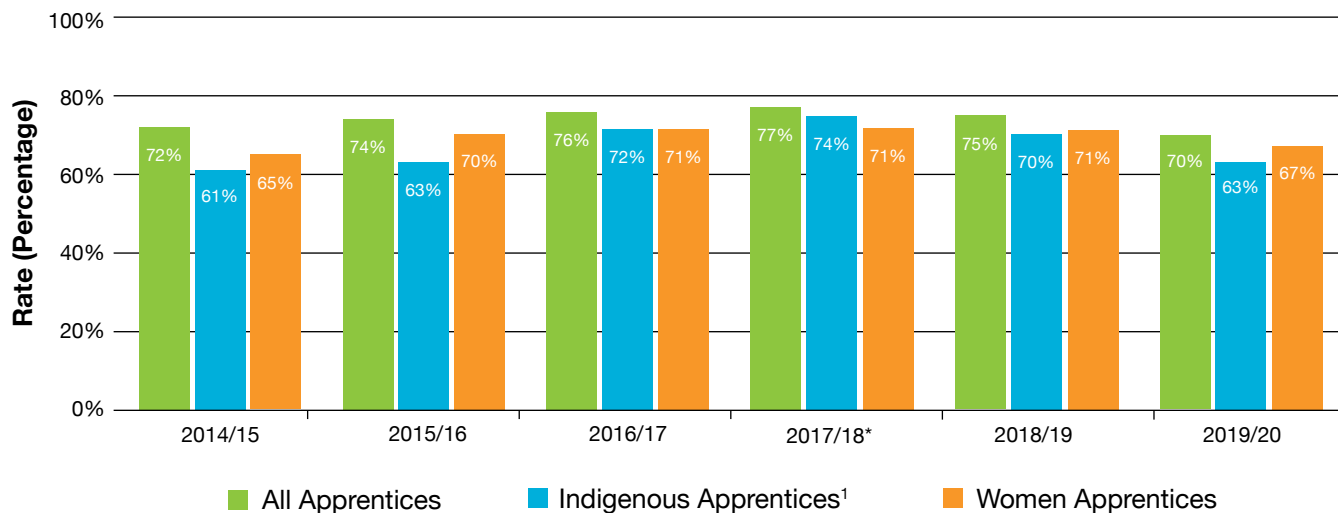
Note 5: A request to de-designate the rig technician trade was received from the Canadian Association of Oilwell Drilling Contractors (CAODC) in January 2019. As part of the process to de-designate, active rig technician apprentices were notified in advance that their apprenticeship program registration 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

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 their 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 9% 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 Year¹

INSTITUTION	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21 ^{1,2}
Delmar College of Hair Design (<i>Note 1</i>)	89	57	67	67	28	55
Grande Prairie Regional College	1,570	1,298	1,067	978	668	889
Keyano College	798	643	569	496	351	423
Lakeland College	1,397	1,053	891	756	474	607
Lethbridge College	1,035	924	836	815	628	777
MC College (<i>Note 1</i>)	79	73	65	73	27	30
Medicine Hat College	705	528	452	343	218	303
Northern Alberta Institute of Technology	14,411	12,932	10,350	8,986	5,164	6,614
Northern Lakes College	259	148	152	98	39	24
Olds College	400	336	235	222	225	264
Portage College	155	109	66	56	35	40
Red Deer College	3,462	2,881	2,214	1,848	1,252	1,502
Southern Alberta Institute of Technology	9,158	8,294	6,972	6,337	4,101	5,322
Other Providers (<i>Note 2</i>)	533	470	397	303	146	99
TOTAL	34,051	29,746	24,333	21,378	13,356	16,949

Source: Alberta Advanced Education

¹ These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2020/21 school year. The data for this year is the attendance as of the date of February 10, 2021.

² In 2020, 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
FortisAlberta Inc. - (previously Aquila Networks Canada, Utilicorp Networks Canada and Trans Alta Utilities) 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, 2020¹

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Agricultural Equipment Technician	63	35	39	17	16	170
Appliance Service Technician	55	29	21	N/A	6	111
Appliance Service Technician	43	26	21	N/A	3	93
Commercial Appliance Service Technician	12	3	N/A*	N/A	3	18
Auto Body Technician	187	177	134	102	32	632
Auto Body Technician	119	135	122	102	12	490
Auto Body Prepper	11	N/A*	N/A	N/A	12	23
Auto Body Refinisher	41	29	N/A	N/A	5	75
Auto Body Repairer	16	13	12	N/A	3	44
Automotive Service Technician	1,138	847	674	545	149	3,353
Baker	47	20	28	N/A	44	139
Boilermaker	207	238	78	N/A	14	537
Bricklayer	50	7	32	N/A	6	95
Cabinetmaker	76	53	68	49	4	250
Carpenter	986	693	346	465	72	2,562
Communication Technician	36	8	8	19	2	73
Concrete Finisher	13	3	N/A*	N/A	4	20
Cook	248	154	144	N/A	120	666
Crane and Hoisting Equipment Operator	959	N/A*	247	N/A	116	1,322
Boom Truck Operator	312	N/A	N/A	N/A	19	331
Mobile Crane Operator	215	N/A*	247	N/A	40	502
Tower Crane Operator	55	N/A*	N/A	N/A	5	60
Wellhead Boom Truck Operator	377	N/A	N/A	N/A	52	429
Electric Motor Systems Technician	10	9	13	9	0	41
Electrician	1,991	1,827	1,755	2,140	252	7,965
Elevator Constructor	0	0	0	111	33	144
Floorcovering Installer	11	5	N/A	N/A	1	17
Gasfitter	163	162	170	N/A	35	530
Gasfitter A	54	98	170	N/A	19	341
Gasfitter B	109	64	N/A	N/A	16	189
Glazier	72	60	55	41	15	243
Hairstylist	1,164	253	N/A	N/A	1,079	2,496
Barber (Note 2)	83	N/A	N/A	N/A	7	90
Hairstylist	1,081	253	N/A	N/A	1,072	2,406
Heavy Equipment Technician	1,831	1,045	1,231	536	320	4,963
Heavy Equipment Technician	1,193	773	867	536	209	3,578
Heavy Duty Equipment Mechanic (Off Road)	194	104	137	N/A	34	469
Transport Trailer Mechanic	112	N/A*	N/A	N/A	30	142
Truck and Transport Mechanic	332	168	227	N/A	47	774
Industrial Mechanic (Millwright)	595	374	308	281	45	1,603
Instrumentation and Control Technician	392	226	178	213	202	1,211
Insulator (Heat and Frost)	144	99	138	N/A	31	412
Ironworker	777	190	76	9	15	1,067
Ironworker (Generalist) (Note 3)	4	1	9	9	2	25
Ironworker (Metal Building Systems Erector)	90	13	N/A	N/A	2	105
Ironworker (Reinforcing)	491	65	N/A	N/A	1	557
Ironworker (Structural/Ornamental)	192	111	67	N/A	10	380

(continued)

TABLE 7 (continued)

Total Number of Apprentices Registered by Apprenticeship Program and Period (or Year) of Classroom Instruction, 2020¹

APPRENTICESHIP PROGRAM	1st Period	2nd Period	3rd Period	4th Period	CI Completed (Note 1)	Total Apprentices
Landscape Horticulturist	64	26	12	21	4	127
Lather (Interior Systems Mechanic)	44	1	10	N/A	1	56
Locksmith	63	30	32	N/A	5	130
Machinist	155	121	94	99	11	480
Metal Fabricator (Fitter)	15	19	19	N/A	4	57
Motorcycle Mechanic	41	33	25	20	12	131
Natural Gas Compression Technician	0	0	1	4	0	5
Outdoor Power Equipment Technician	28	12	6	N/A	4	50
Power	17	4	2	N/A	3	26
Recreational	11	8	4	N/A	1	24
Painter and Decorator	28	10	4	N/A	2	44
Parts Technician	320	280	175	N/A	39	814
Parts Technician	304	257	162	N/A	34	757
Materials Technician	16	23	13	N/A	5	57
Plumber	797	622	716	601	97	2,833
Powerline Technician	123	87	77	N/A*	56	343
Power System Electrician	25	18	41	26	15	125
Recreation Vehicle Service Technician	67	19	18	N/A	14	118
Refrigeration and Air Conditioning Mechanic	236	311	197	178	29	951
Rig Technician (Note 4)	0	0	0	N/A	0	0
Roofer	73	54	39	N/A*	12	178
Sheet Metal Worker	466	220	268	224	36	1,214
Sprinkler Systems Installer	70	59	62	N/A*	8	199
Steamfitter-Pipefitter	1,157	591	577	331	52	2,708
Tilessetter (Note 5)	0	0	N/A*	N/A	0	0
Transport Refrigeration Technician	12	6	3	N/A	1	22
Water Well Driller	8	6	N/A	N/A	1	15
Welder	1,694	846	963	N/A	203	3,706
Welder	1,655	846	963	N/A	196	3,660
Wire Processor	39	N/A*	N/A	N/A	7	46
Total	16,701	9,885	9,082	6,041	3,219	44,928

Source: Alberta Advanced Education

¹ These statistics are as of December 31, 2020.

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 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 8

Number of Apprentices Registered, Certified and Attending Classroom Instruction by Apprenticeship and Industry Training Office¹, 2020²

OFFICE/REGION	Total Apprentices Registered	New Apprentices Registered	Apprentices Certified	Classroom Instruction Attendance ³
Bonnyville	805	149	66	199
Calgary	12,740	2,262	1,201	3,691
Edmonton	17,725	2,990	1,606	4,418
Fort McMurray	1,525	239	153	509
Grande Prairie	2,754	465	188	597
Hinton	1,152	232	101	307
Lethbridge	1,864	347	185	647
Medicine Hat	1,012	169	104	306
Peace River	614	130	57	182
Red Deer	3,272	537	244	981
Slave Lake	631	128	39	179
Vermilion	834	172	96	264
Total - Office Regions	44,928	7,820	4,040	12,280
Interprovincial - Classroom Instruction Only <i>(Note 1)</i>	N/A	N/A	N/A	187
Interprovincial/International - Classroom Instruction and Certification <i>(Note 2)</i>	0	0	0	0
Total - Other	0	0	0	187
TOTAL	44,928	7,820	4,040	12,467

Source: Alberta Advanced Education

(Notes 3 & 4)

¹ See map on page v for Apprenticeship and Industry Training office regions.

² This table represents statistics covering the January to December 2020 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.

³ 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 2020, some classroom instruction was 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)							
	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	Number of LACs
Agricultural Equipment Technician	1	3	3	4	2	2	15								0
Appliance Service Technician	7	3	1	1	1	1	14	0	0					0	0
Auto Body Technician	9	8	3	1	1	1	23	0	0	1	0	2	0	3	2
Automotive Service Technician	3	10	8	3	1	4	29	6	4	7	6	3	0	26	7
Baker	4	3	1	1	1	1	11	1	3	2	3	2	0	11	2
Boilermaker	2	3	7	4	3	3	22								0
Bricklayer	5	2	1	1	1	1	11	3	3	2	2	2	1	13	2
Cabinetmaker	2	2	3	2	2	3	14	3	0	0	3	4	0	10	2
Carpenter	8	1	3	8	6	3	29	6	2	4	9	10	1	32	7
Communication Technician	4	1	2	2	5	2	16	2	2	2	2	1	1	10	2
Concrete Finisher	1	1	3	2	1	1	9								0
Cook	5	2	2	1	5	3	18	3	4	4	4	4	1	21	3
Crane and Hoisting Equipment Operator	5	4	6	0	3	1	19	0	0	1	0	1	0	2	3
Electric Motor Systems Technician	6	7	4	1	0	4	22	1						1	0
Electrician	4	9	3	4	4	10	34	6	6	8	6	8	5	39	9
Elevator Constructor	3	4	4	5	1	0	17								0
Floorcovering Installer	0	3	4	2	0	0	9								0
Gasfitter	12	8	12	3	2	2	39	1	3	0	2	3	0	9	2
Glazier	2	3	2	3	3	2	15	1	0	3	2	2	2	10	2
Hairstylist	3	5	4	9	4	7	32	8	6	7	9	3	9	42	8
Heavy Equipment Technician	8	4	10	7	2	5	36	7	4	8	13	0	6	38	8
Industrial Mechanic (Millwright)	4	8	6	7	3	2	30	2	3	0	0	2	0	7	3
Instrumentation and Control Technician	4	3	10	1	2	2	22	0	0	1	0	0	1	2	1
Insulator (Heat and Frost)	3	0	7	4	2	1	17								0
Ironworker	9	5	3	3	4	0	24								0
Landscape Horticulturist	2	3	7	9	2	1	24	0	1	2	1	2	0	6	1
Lather (Interior Systems Mechanic)	2	1	10	3	2	1	19								0
Locksmith	9	9	2	3	2	2	27	0	1	1	1	1	0	4	1
Machinist	3	2	6	8	5	3	27	2	3	1	2	1	2	11	2
Metal Fabricator (Fitter)	1	1	0	0	2	0	4								0
Motorcycle Mechanic	2	1	1	1	0	1	6	2	0	0	2	0	0	4	2
Natural Gas Compression Technician	1	0	0	0	0	0	1								0
Outdoor Power Equipment Technician	0	2	1	1	2	1	7								0
Painter and Decorator	1	9	6	3	0	1	20	1	1					2	0
Parts Technician	4	4	2	3	2	0	15	3	1	2	3	1	0	10	3
Plumber	5	12	12	11	1	1	42	3	3	3	2	1	0	12	4
Powerline Technician	8	2	1	7	7	11	36	1	2	2	2	1	1	9	2
Power System Electrician	7	4	1	3	6	5	26								0
Recreation Vehicle Service Technician	4	0	0	1	0	0	5	0	0	1	2	1	0	4	2
Refrigeration and Air Conditioning Mechanic	4	9	2	5	1	3	24	2	1	2	2	1	1	9	2

(continued)

TABLE 9 (continued)

Number of Committee Meetings by Designated Trade/Occupation and Year

DESIGNATED TRADE/ OCCUPATION	Provincial Apprenticeship Committee (Full, Sub and Special) and Occupational Committee Meetings <i>(Notes 1 & 2)</i>							Local Apprenticeship Committee Meetings <i>(Note 3)</i>							
	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	Number of LACs
Rig Technician	3	2	2	1	0	0	8								0
Roofer	0	1	2	3	0	1	7								0
Sheet Metal Worker	4	12	13	5	1	4	39	1	3	0	4	4	2	14	4
Sprinkler Systems Installer	5	3	4	6	4	4	26	1	0	1	1	0	0	3	1
Steamfitter-Pipefitter	13	9	10	10	2	2	46	1	2	1	3	1	2	10	3
Tilessetter	0	2	0	0	0	0	2								0
Transport Refrigeration Technician	2	4	1	2	2	3	14								0
Water Well Driller	2	2	1	1	0	0	6								0
Welder	7	2	3	4	3	2	21	4	5	9	5	6	0	29	8
Total Meetings - Trades <i>(Note 4)</i>	195	191	186	163	100	105	940	72	63	75	91	67	35	403	98
Cathodic Protection Technician	2	2	1	2	1	1	9								
Construction Craft Worker	2	2	0	2	0	0	6								
Field Heat Treatment Technician	0	1	1	1	1	0	4								
Gas Utility Operator	2	3	0	1	2	0	8								
Industrial Construction Crew Supervisor	3	1	3	1	1	0	9								
Oil and Gas Transportation Services <i>(Note 5)</i>															
Overhead Door Technician	9	2	1	1	1	0	14								
Petroleum Competency Program Steering Committee <i>(Note 5)</i>	0	0	0	0	0	0	0								
Residential Construction Site Manager	0	0	3	1	1	0	5								
Slickline Services <i>(Note 5)</i>															
Snubbing Services <i>(Note 5)</i>															
Steel Detailer	7	0	0	1	0	0	8								
Well Testing Services Supervisor <i>(Note 5)</i>															
Total - Occupations	25	11	9	10	7	1	63								

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 5 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, 2020 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) were 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: 2015 - 3; 2016 - 10; 2017 - 11; 2018 - 4; 2019 - 3; 2020 - 1.

Note 5: 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 Program¹, 2020

APPRENTICESHIP PROGRAM	High School	Full Time	Certified (<i>Note 1</i>)
Agricultural Equipment Technician	11	38	76
Appliance Service Technician	0	2	6
Appliance Service Technician	0	2	6
Commercial Appliance Service Technician	0	0	0
Auto Body Technician	16	67	125
Auto Body Technician	13	63	43
Auto Body Prepper	1	0	0
Auto Body Refinisher	2	2	46
Auto Body Repairer	0	2	36
Automotive Service Technician	90	312	630
Baker	5	9	17
Boilermaker	0	0	1
Bricklayer	3	3	18
Cabinetmaker	5	14	58
Carpenter	48	214	362
Communication Technician	4	5	2
Concrete Finisher	1	0	8
Cook	30	70	99
Crane and Hoisting Equipment Operator	2	5	29
Boom Truck Operator	2	1	10
Mobile Crane Operator	0	4	18
Tower Crane Operator	0	0	1
Wellhead Boom Truck Operator	0	0	0
Electric Motor Systems Technician	4	1	0
Electrician	62	357	794
Elevator Constructor	0	0	0
Floorcovering Installer	4	1	4
Gasfitter	3	4	11
Gasfitter A	1	3	10
Gasfitter B	2	1	1
Glazier	2	10	10
Hairstylist	44	118	685
Barber (<i>Note 2</i>)	2	0	0
Hairstylist	42	118	685
Heavy Equipment Technician	143	589	845
Heavy Equipment Technician	111	518	791
Heavy Duty Equipment Mechanic (Off Road)	15	19	11
Transport Trailer Mechanic	1	3	7
Truck and Transport Mechanic	16	49	36
Industrial Mechanic (Millwright)	20	105	183
Instrumentation and Control Technician	7	51	147
Insulator (Heat and Frost)	0	1	2

(continued)

TABLE 10 (continued)

Number of Participants in the Registered Apprenticeship Program (RAP) by Apprenticeship Program¹, 2020

APPRENTICESHIP PROGRAM	High School	Full Time	Certified <i>(Note 1)</i>
Ironworker	6	25	6
Ironworker (Generalist) <i>(Note 3)</i>	0	1	2
Ironworker (Metal Building Systems Erector)	2	4	1
Ironworker (Reinforcing)	3	15	0
Ironworker (Structural/Ornamental)	1	5	3
Landscape Horticulturist	7	16	9
Lather (Interior Systems Mechanic)	3	18	6
Locksmith	0	2	4
Machinist	3	28	72
Metal Fabricator (Fitter)	0	2	8
Motorcycle Mechanic	3	9	36
Natural Gas Compression Technician	0	1	0
Outdoor Power Equipment Technician	1	5	11
Power	1	3	2
Recreational	0	2	9
Painter and Decorator	2	0	6
Parts Technician	9	27	103
Parts Technician	9	27	102
Materials Technician	0	0	1
Plumber	24	100	220
Powerline Technician	2	16	32
Power System Electrician	0	0	0
Recreation Vehicle Service Technician	0	14	8
Refrigeration and Air Conditioning Mechanic	4	29	26
Rig Technician <i>(Note 4)</i>	0	0	0
Roofer	3	3	5
Sheet Metal Worker	9	45	45
Sprinkler Systems Installer	1	6	11
Steamfitter-Pipefitter	7	36	70
Tilessetter <i>(Note 5)</i>	0	0	3
Transport Refrigeration Technician	0	0	4
Water Well Driller	2	1	5
Welder	63	292	1,202
Welder	62	290	1,202
Wire Processor	1	2	0
Total	653	2,651	6,004

Source: Alberta Advanced Education

¹ Total number registered as of December 31, 2020

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 April 30, 2020, barber was designated as a branch of the hairstylist trade.

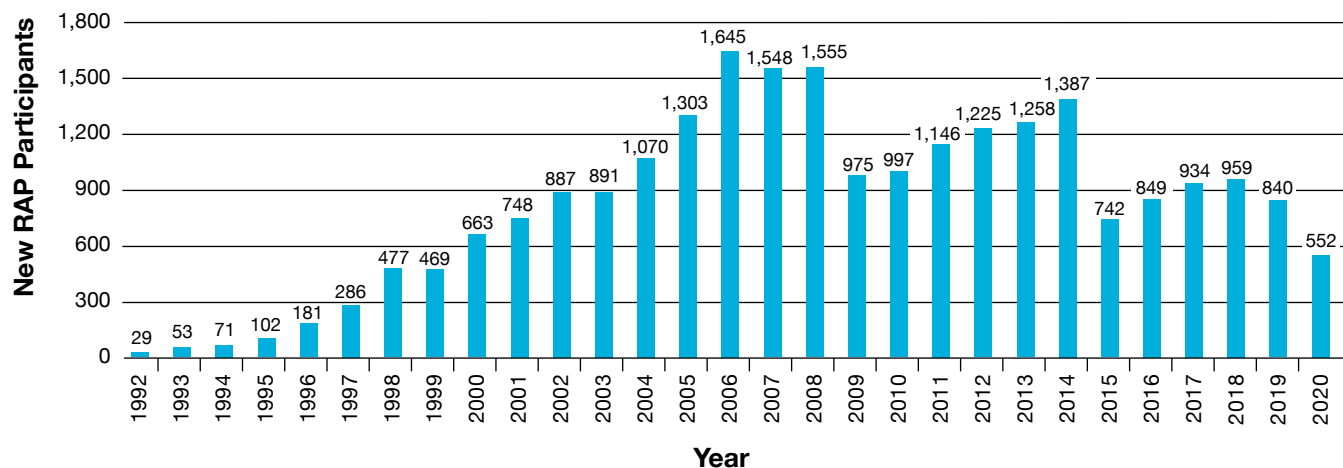
Note 3: Effective September 1, 2017, the designation of the generalist branch of the ironworker trade was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

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.

CHART 6

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

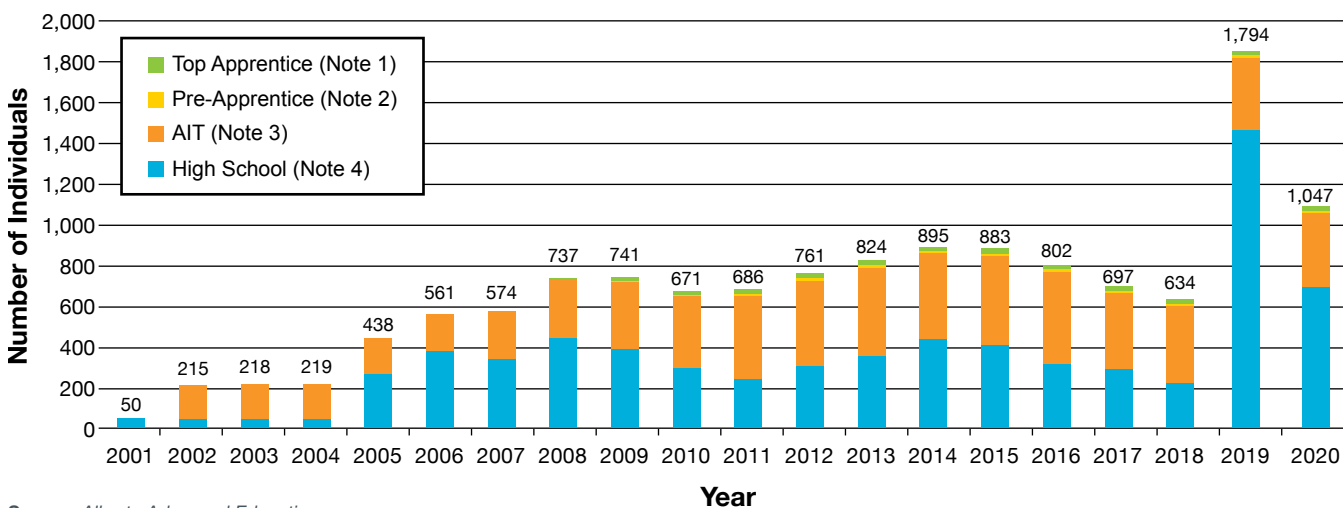


Source: Alberta Advanced Education

¹ 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 a minimum of 357 Apprenticeship and Industry Training (AIT) Scholarships of \$1,000 available each year. The number varies each year 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 new *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 2020, 650 HSAS and 17 HSAS-BF were awarded totalling 667 scholarships.

In 2019, the *High School Apprenticeship Scholarship program* replaced the scholarship previously known as the *Registered Apprentice 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

TABLE 11

Number of Apprentices Registered by Apprenticeship Program - Total, Indigenous and Women, 2020¹

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered <i>(Note 1)</i>	Women Apprentices Registered
Agricultural Equipment Technician	170	4	5
Appliance Service Technician	111	3	3
Appliance Service Technician	93	3	3
Commercial Appliance Service Technician	18	0	0
Auto Body Technician	632	24	65
Auto Body Technician	490	17	43
Auto Body Prepper	23	0	6
Auto Body Refinisher	75	4	14
Auto Body Repairer	44	3	2
Automotive Service Technician	3,353	155	120
Baker	139	6	104
Boilermaker	537	37	40
Bricklayer	95	2	5
Cabinetmaker	250	9	43
Carpenter	2,562	243	171
Communication Technician	73	0	3
Concrete Finisher	20	0	0
Cook	666	55	235
Crane and Hoisting Equipment Operator	1,322	61	25
Boom Truck Operator	331	20	10
Mobile Crane Operator	502	25	14
Tower Crane Operator	60	3	0
Wellhead Boom Truck Operator	429	13	1
Electric Motor Systems Technician	41	1	1
Electrician	7,965	377	453
Elevator Constructor	144	6	2
Floorcovering Installer	17	0	0
Gasfitter	530	18	12
Gasfitter A	341	12	12
Gasfitter B	189	6	0
Glazier	243	10	10
Hairstylist	2,496	158	1,993
Barber <i>(Note 2)</i>	90	1	21
Hairstylist	2,406	157	1,972
Heavy Equipment Technician	4,963	288	162
Heavy Equipment Technician	3,578	216	134
Heavy Duty Equipment Mechanic (Off Road)	469	30	14
Transport Trailer Mechanic	142	7	0
Truck and Transport Mechanic	774	35	14
Industrial Mechanic (Millwright)	1,603	105	66
Instrumentation and Control Technician	1,211	55	58
Insulator (Heat and Frost)	412	23	73

(continued)

TABLE 11 (continued)

Number of Apprentices Registered by Apprenticeship Program - Total, Indigenous and Women, 2020¹

APPRENTICESHIP PROGRAM	Total Apprentices Registered	Indigenous Apprentices Registered <small>(Note 1)</small>	Women Apprentices Registered
Ironworker	1,067	249	50
Ironworker (Generalist) <small>(Note 3)</small>	25	4	3
Ironworker (Metal Building Systems Erector)	105	10	2
Ironworker (Reinforcing)	557	188	34
Ironworker (Structural/Ornamental)	380	47	11
Landscape Horticulturist	127	5	53
Lather (Interior Systems Mechanic)	56	4	3
Locksmith	130	1	4
Machinist	480	14	21
Metal Fabricator (Fitter)	57	3	4
Motorcycle Mechanic	131	2	3
Natural Gas Compression Technician	5	1	0
Outdoor Power Equipment Technician	50	3	3
Power	26	2	2
Recreational	24	1	1
Painter and Decorator	44	1	13
Parts Technician	814	36	326
Parts Technician	757	32	298
Materials Technician	57	4	28
Plumber	2,833	169	110
Powerline Technician	343	43	8
Power System Electrician	125	3	4
Recreation Vehicle Service Technician	118	2	5
Refrigeration and Air Conditioning Mechanic	951	39	22
Rig Technician <small>(Note 4)</small>	0	0	0
Roofer	178	12	7
Sheet Metal Worker	1,214	63	50
Sprinkler Systems Installer	199	7	5
Steamfitter-Pipefitter	2,708	209	185
Tilessetter <small>(Note 5)</small>	0	0	0
Transport Refrigeration Technician	22	0	0
Water Well Driller	15	1	0
Welder	3,706	284	305
Welder	3,660	281	303
Wire Processor	46	3	2
Total	44,928	2,791	4,830

Source: Alberta Advanced Education

(Note 1)

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.

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 April 30, 2020, barber was designated as a branch of the hairstylist trade.

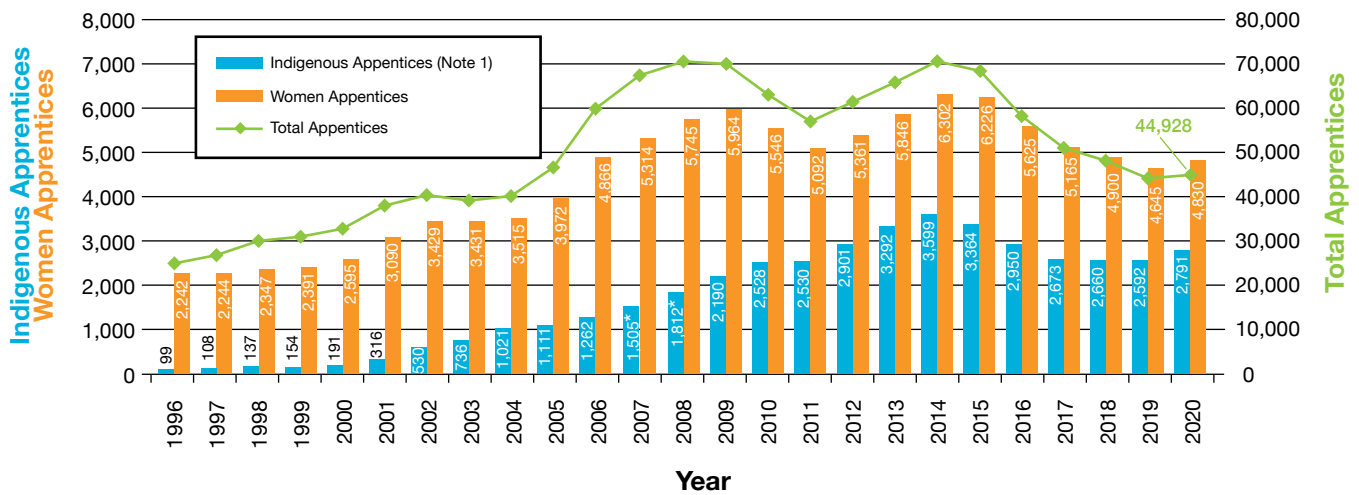
Note 3: Effective September 1, 2017, the designation of the generalist branch of the ironworker trade apprenticeship program was rescinded. Apprentices registered in the apprenticeship program before that day can continue in the program until August 31, 2023.

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.

CHART 8

Total, Women and Indigenous Apprentices Registered by Year



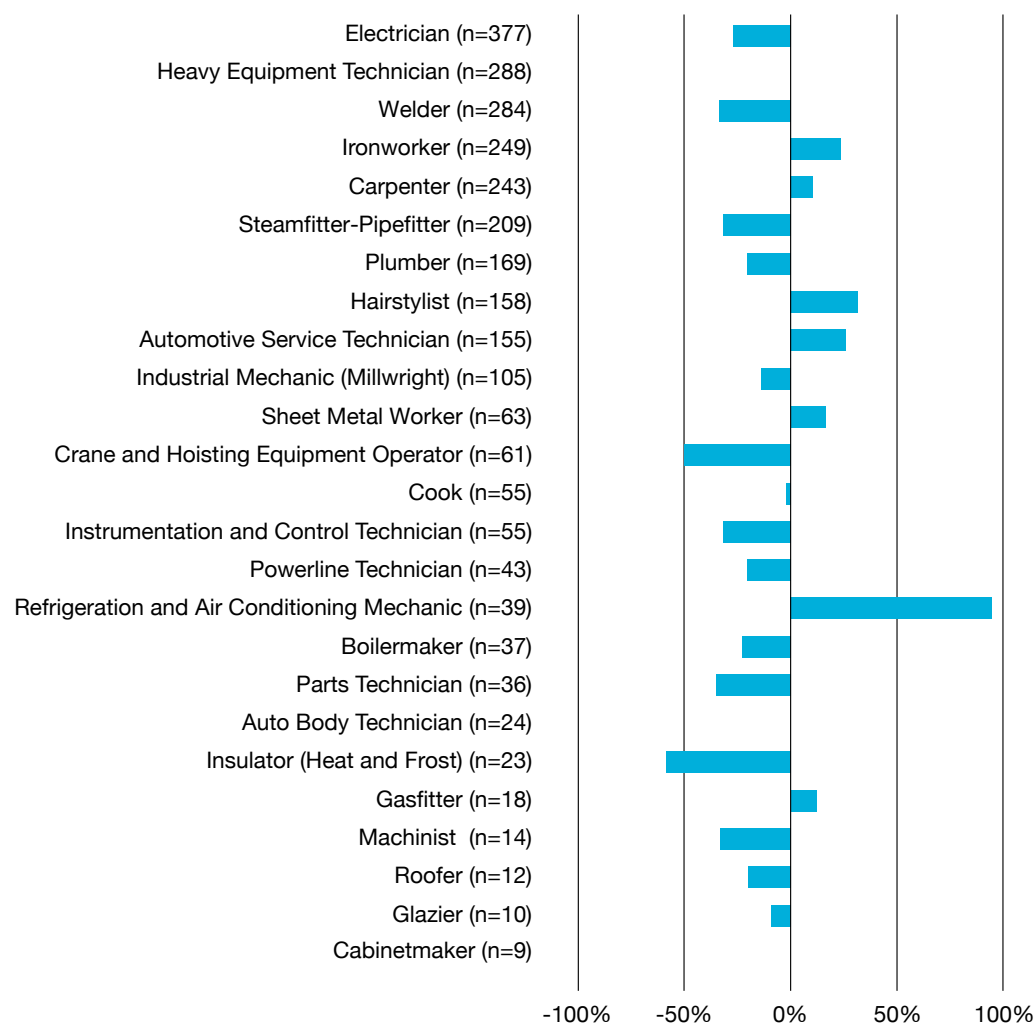
Source: Alberta Advanced Education

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 Change of Indigenous Apprentices Registered¹ by Designated Trade Between 2015 and 2020



Source: Alberta Advanced Education

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:

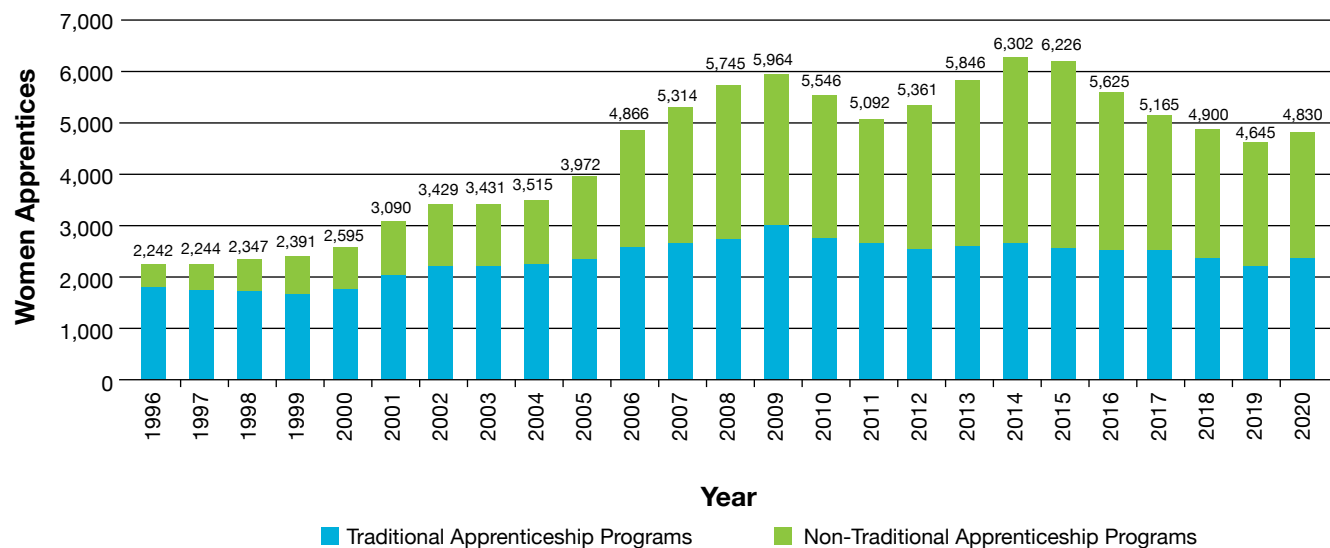
The 25 of 47 designated trades represented in the chart are those in which there were the highest number of Indigenous apprentices registered in the associated apprenticeship programs as of December 31, 2020. The list of designated trades is rank ordered with the highest to lowest number of Indigenous apprentices registered.

The 'n' provided is the number of Indigenous apprentices registered in the associated apprenticeship programs as of December 31, 2020.

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

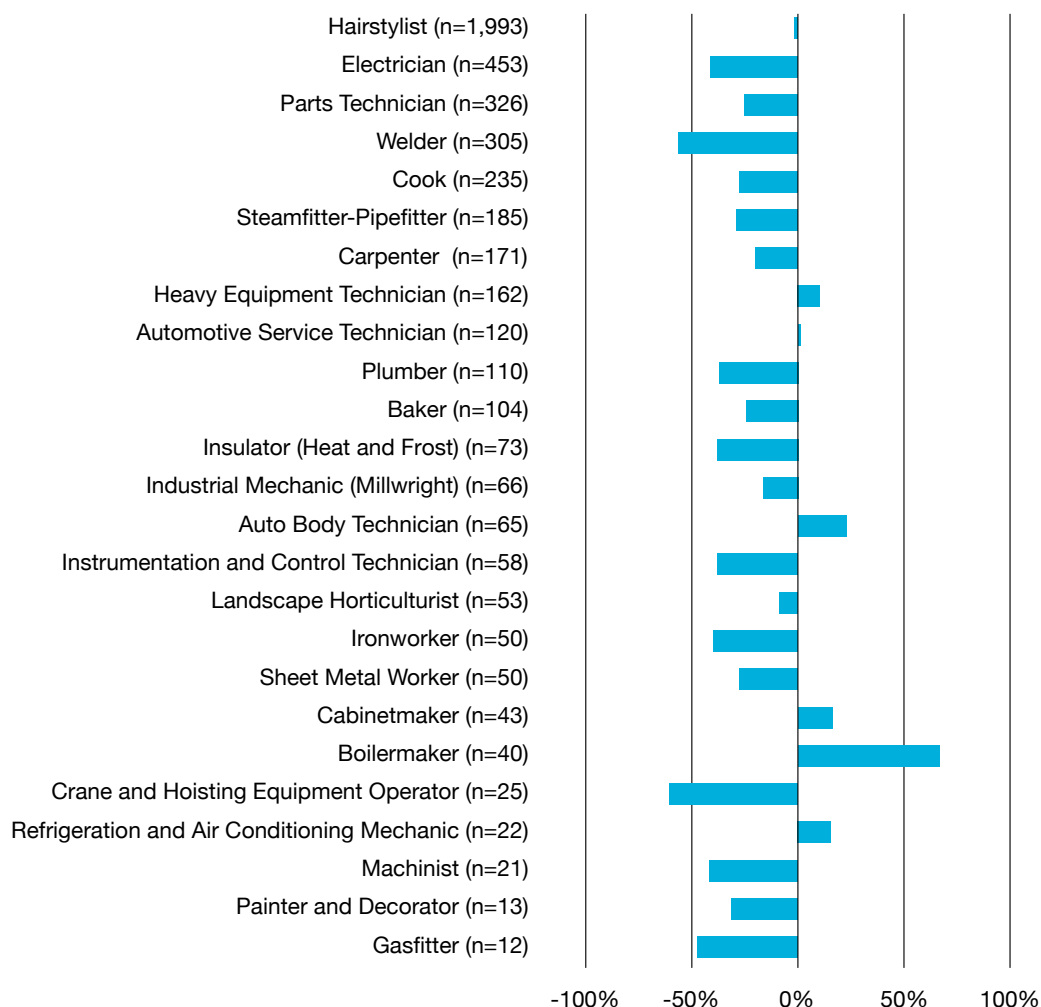
¹ This graph represents statistics covering a series of calendar years (January to December).

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 Change of Women Apprentices Registered by Designated Trade Between 2015 and 2020



Source: Alberta Advanced Education

Notes:

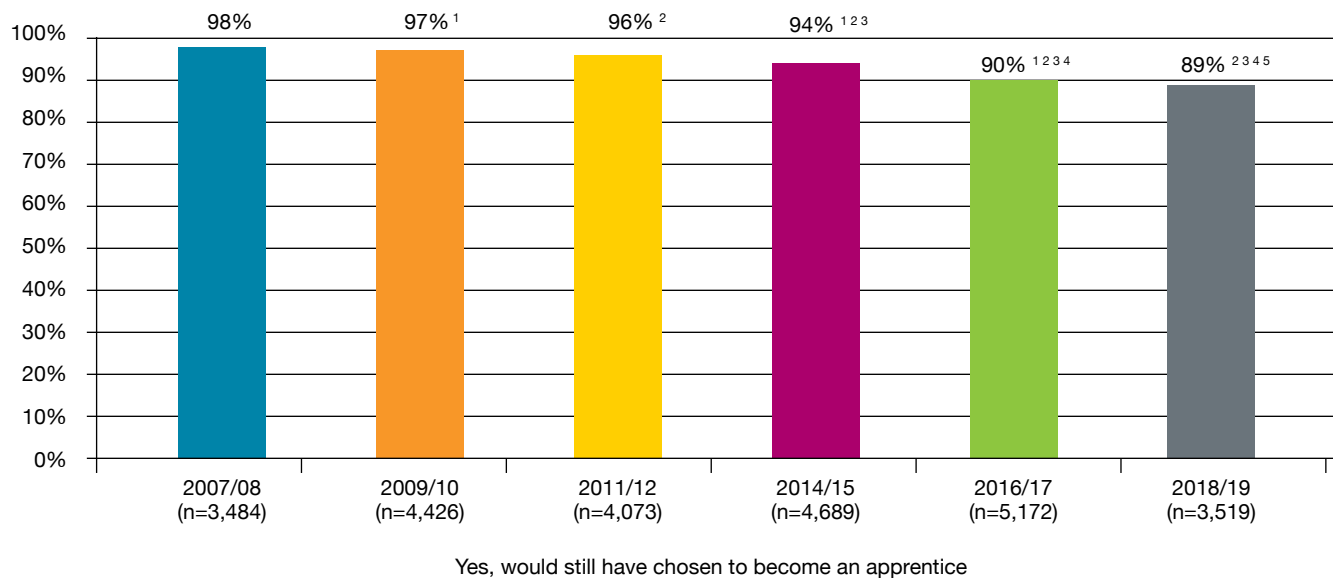
The 25 of 47 designated trades represented in the chart are those in which there were the highest number of women apprentices registered in the associated apprenticeship programs as of December 31, 2020. The list of designated trades is rank ordered with the highest to lowest number of women apprentices registered.

The 'n' provided is the number of women apprentices registered in the associated apprenticeship programs as of December 31, 2020.

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

CHART 12

Apprentice Graduate Satisfaction with Apprenticeship System



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?

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.

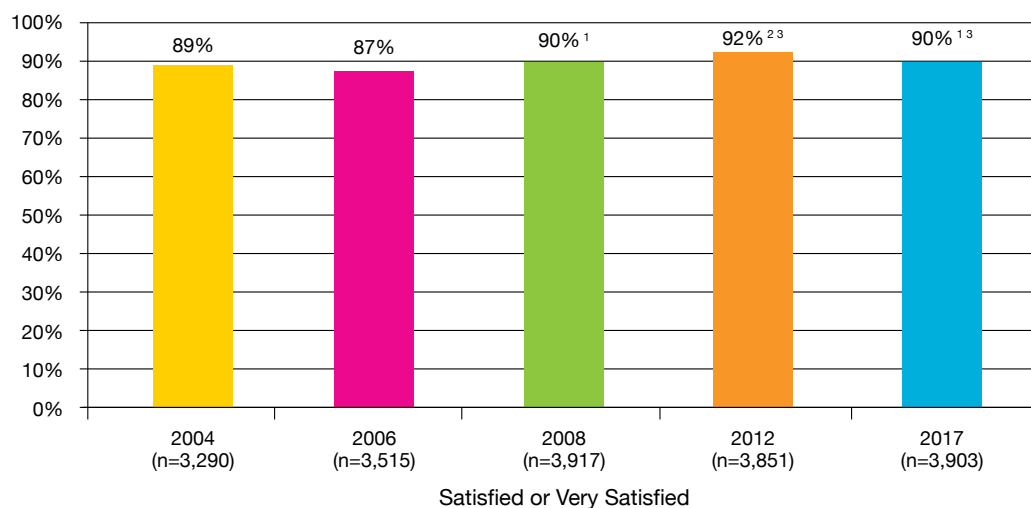
³ Indicates a significant change in response at a .05 level of significance compared to three surveys previous.

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



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?

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.

