

Alberta's Occupational Outlook

2019 - 2028



Labour and Immigration, Government of Alberta

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Alberta's Occupational Outlook, 2019-2028

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Disclaimer statement

Alberta Labour and Immigration provides labour market information to assist both the government and the public in decision-making. Occupational outlooks models are affected by a variety of factors and will change over time. When making decisions based on forecasts, multiple sources of information should always be considered.

Work began on the Alberta Occupational Demand Outlook Model 13 years ago. Currently, the model is able to forecast occupational Job openings (demand) for more than 400 occupations in Alberta.

In 2003, work began on the Alberta Occupational Supply Outlook Model, a counterpart model that helps forecast labour supply and possible supply and demand imbalances that may occur in the future.

Labour and Immigration continues to enhance the demand and supply models' precision and encourages readers to provide advice and feedback by emailing LBR.LFSAnalyst@gov.ab.ca.

Executive Summary

The 10-year Alberta Occupational Outlook provides a long-term assessment of potential imbalances in the provincial labour market. Expected trends in job openings are compared to the potential pool of job seekers to identify occupations that might face shortages or surpluses.

Balanced labour market conditions are expected by 2028. Overall, the 2019-2028 Outlook shows by 2028, Alberta is expected to have a fairly balanced labour market. The number of expected job openings is expected to keep pace with the number of new job seekers; however, the provincial labour market is forecasted to see some shortages reaching around 7,200 in 2023. For the most part, the shortages will be driven by the need to replace workers who are due to retire. In 2023, 36 per cent or 49,700 of total job openings will come from expansion demand and 64 per cent or 87,300 will come from replacement demand.

This result is a shift from the labour shortage seen in previous 10-year forecast until 2025. The 10-year forecasted trends show a continued shift from the previous 2015-2025 occupational outlook that had forecasted an overall shortage of around 49,000 by 2025.

The continuing soft economic conditions and the anticipated increase in the workforce are the major drivers behind this trend. The expected overall shift from a general shortage to a more balanced labour market is due to:

- continued soft economic conditions that will impact long-term unemployment; and
- higher post-secondary enrolment and graduation that will continue to boost the provincial workforce.

Despite the projected overall balanced labour market conditions in Alberta by 2028, shortages and surpluses are expected to occur in some occupations in specific periods over the next 10 years. Labour shortages are forecasted in:

- college-level administration occupations in the field of finance;
- health occupations across education levels, clustered around nursing;
- educators in primary school and college; and
- some trades and engineering occupations related to construction and the oil and gas industry.

Labour surpluses are highly concentrated in:

- occupations associated with retail trade and customer service;
- occupations in front-line public protection services;
- Policy and program researchers, consultants and officers;
- Petroleum, gas and chemical process operators; and
- Power engineers and power systems operators.

Retirement is one of the leading drivers behind the differences in the outlook across occupations. The causes of labour market imbalances vary across occupations, but the retirement of the baby-boomer cohort will be a significant contributor to labour shortages. Over the next 10 years, retirement is expected to grow by 50 per cent and by 2028, retirements are expected to account for the highest share of job openings at around 32 per cent, up from 24 per cent in 2019.

By 2028, nearly all the baby boomers, who made up approximately 20 per cent of the workforce in 2017, will have exited the labour market.

Growth in some industries and aging workforce also explain the distinctive trends among the occupations. A second clear driver of occupational shortages is economic growth in some key industries such as construction, which is expected to have above average growth. The Health care industry is also expected to have above average growth partly due strong population growth and aging population.

Health sector demographic trends show the share of Alberta's labour force aged 55 years and over was 12 per cent in 1998 and 19 per cent in 2018. In Construction sector, it was nine per cent in 1998 and up to 17 per cent in 2018.

Overview

As part of the ongoing efforts to better understand and respond to future labour market needs, Alberta Labour and Immigration contracted the Conference Board of Canada (CBOC) to forecast potential future occupational imbalances using Alberta's Occupational Demand and Supply models.

Demand and Supply models

Figure 1 provides an overview of the two models. These models provide forecasts for job openings and job seekers for different occupations in Alberta from 2019 to 2028. Each model can be broken down into sub-models. The Alberta Occupational Supply Outlook Model (AOSOM) has several linked sub-models and over 100,000 data series.

The Alberta Occupational Demand Outlook Model (AODOM) has been used for more than 13 years and has proven to be reliable. Once occupational job openings and seekers are forecasted, the cumulative labour surpluses/shortages are calculated to measure occupational imbalances.

How they are used

Results from the two models help users make better decisions about developing and funding programs and policies as well as personal decisions about education, jobs and careers.

It should be noted that both of these models produce forecasts and therefore carry assumptions that may change in the future. Hence, a labour shortage or surplus may not be as precise as the models predict.

For example, as occupational conditions change, individuals may decide to enter a field of study that reflects these current conditions and more people may be attracted to the province. The results of these models are intended as indicators of where the current situation in Alberta may lead in future years.

What influences Labour Markets

Factors such as demographics, technological change, economic growth, globalization, and consumer behaviour can all heavily influence the outcome for labour markets. The number and types of jobs in tomorrow's economy will largely depend on these factors.

How labour imbalances are estimated

There are different measures used to determine labour shortages/surpluses (imbalances). In this report, labour surpluses/shortages are defined and estimated as net new jobs that are unfilled resulting from the difference between forecasted job openings compared to job seekers. These are the new net positions that are "hard to fill."

What is new in the 2019-2028 Outlook

Results presented in this report are focused on identifying the total number of job openings (estimated from both expansion and replacement demand) and the total number of labour market entrants or job seekers who are expected to join Alberta's labour market over the next 10 years.

Previous outlook reported openings that were estimated from expansion demand and the replacement components were incorporated in the labour supply component.

Model results and feedback

This year's findings of the two models are provided in this report. Alberta Labour and Immigration believes that continued work on the development of AOSOM will help to provide important information on labour market imbalances. Readers are encouraged to provide advice and feedback on the models usefulness, construction and results. Please see Appendices A and B for a detailed view of the models methodology and assumptions.

Figure 1: An overview of the occupational demand and supply models



Alberta 10-Year Labour Market Outlook

Over the next 10 years, Alberta's labour market is forecasted to grow by approximately 1,315,900 job openings. These openings will be created from both expansion demand due to economic growth and replacement demand resulting from several labour force separations.

During the same period, an increase of 1,315,400 new job seekers/workers are expected to join the labour force from new migration, school leavers, and re-entrants.

Overall, for the coming decade or by 2028, Alberta's labour market is expected to be fairly balanced. The number of job openings in Alberta is expected to keep pace with the number of expected job seekers; however, imbalances are expected to occur at the occupational level. The trends could change because the demand and supply models used for the forecasts carry assumptions that may change in the future.

Table 1 shows more detailed information about the overall occupational outlook. The numbers in the table represent the annual estimates for both job openings and job seekers in Alberta.

Table 1: Overall Alberta's Outlook Highlights, 2019-2028

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Job Openings*	120,400	121,200	127,300	137,700	136,900	135,500	134,500	132,600	133,900	135,900
Expansion Demand	40,000	38,900	43,300	52,000	49,700	46,600	44,200	40,900	40,900	41,700
Replacement Demand	80,500	82,300	84,000	85,700	87,300	88,900	90,300	91,700	93,000	94,200
Total Job Seekers	120,300	122,100	126,500	131,700	135,700	136,600	134,900	134,400	135,800	137,400
Cumulative Imbalance*	100	-800	0	6,000	7,200	6,100	5,700	3,900	2,000	500

* Total openings combine forecasts from expansion demand due to economic growth and replacement demand.

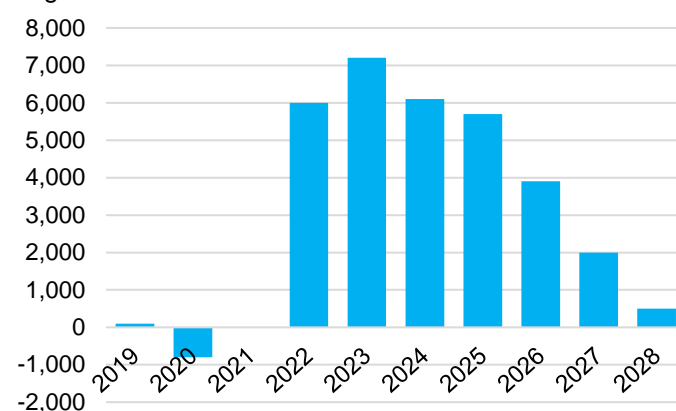
** A negative forecasted imbalance indicates a surplus and a positive number indicates a shortage.

Note: Forecasts are rounded.

Although, over the 10 years Alberta's labour market is forecasted to be balanced, some shortages are forecasted during the mid-10-year period reaching a high of around 7,200 in 2023 (Figure 1). For the most part, these shortages will be driven by retirements, which are expected to grow at an annual compound rate of 7.6 per cent over the first five years of the forecast.

In 2023, 36 per cent or 49,700 of total job openings will come from expansion demand and 64 per cent or 87,300 will come from replacement demand.

Figure 2: Cumulative Imbalance



Source: Alberta Occupational Outlook

Note: Positive estimates indicate shortage and negative estimates shows a surplus

Sources of Job Openings

Over the next 10 years, job openings created through replacement demand (i.e. retirements, out-migration and deaths) will account for the largest share at 66.7 per cent or 877,800 compared to 33.3 per cent job openings that are expected to be created through expansions demand or economic growth (Figure 3).

In 2019, out-migration is expected to account for larger share of job openings at 37.5 per cent or 45,200, following by openings from expansion demand at 33.2 per cent or 40,000. By 2028, retirements will account for largest share of openings at 32.1 per cent or 43,600; followed by out-migration at 31.4 per cent or 42,600; and expansion demand at 30.7 per cent or 41,700 (Figure 3).

The following sources will be the main sources of new job openings:

- economic growth (expansion demand);
- retirements;
- out-migration; and
- deaths.

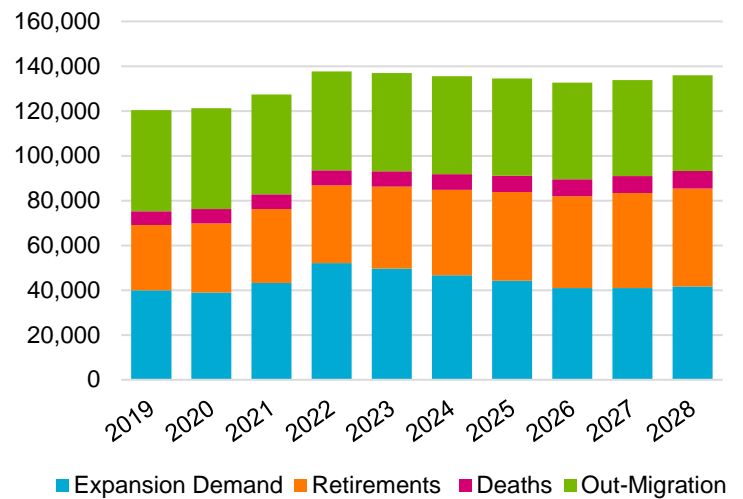
Sources of Job Seekers

Over the 10 year period, the largest share of labour market entrants or job seekers will come from in-migration at 55.8 per cent or 733,400, followed by school leavers at 42.8 per cent of 563,300 (Figure 4).

By 2028, the share of new job seekers from immigration will decline to 54.4 per cent from 58.4 per cent in 2019. The share of job seekers from school leaver will also fall from 45.4 per cent in 2019 to 43.2 per cent in 2028, and the share of re-entrants will increase to 2.3 per cent from a negative outflow of 3.8 per cent. The following sources will be the main sources of new job seekers:

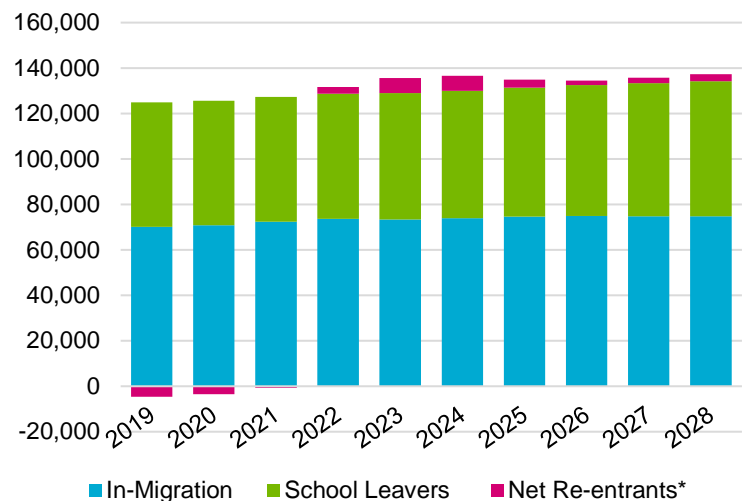
- New entrants – school leavers;
- Migration – interprovincial and international; and
- Labour force re-entrants.

Figure 3: Sources of Job Openings



Source: Alberta Occupational Outlook: 2019-2028

Figure 4: Sources of Job Seekers



Source: Alberta Occupational Outlook: 2019-2028

* Re-entrants refers to individuals who rejoin the workforce after previously dropping out.

Occupational Outlook Highlights

Job Openings by 1- Digit NOC

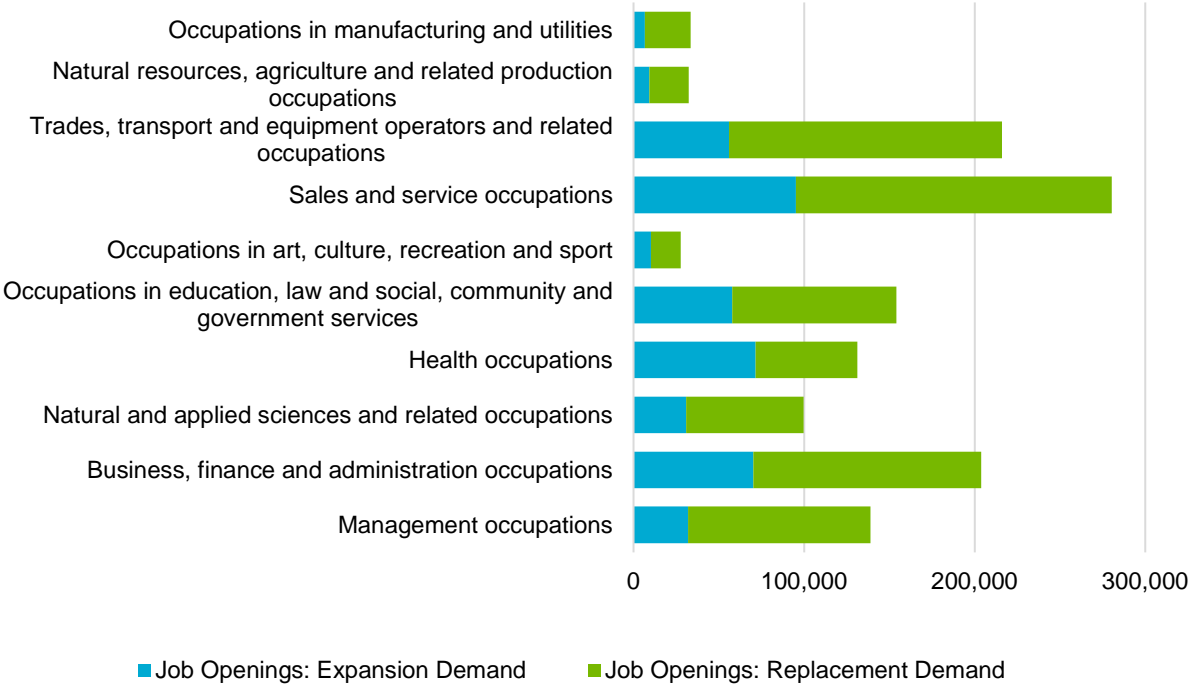
Over the 2019-2028 projection period, most job openings will be concentrated in:

- sales and service occupations, +280,000;
- trades and transport occupations, +215,900; and
business, finance, and administration occupations, +203,700 (Figure 5).

Job openings from replacement demand will account

for a higher share in all occupational groupings except health occupations where an average of 7,200 job openings per year are projected to be produced through expansion demand, and an average of 6,000 job openings per year are projected to be produced through replacement demand. The occupational groupings affected by attrition factors will be: Manufacturing and utilities, Management, and Trades, transport and equipment operators (Figure 5).

Figure 5: Job Openings , 1-Digit NOC



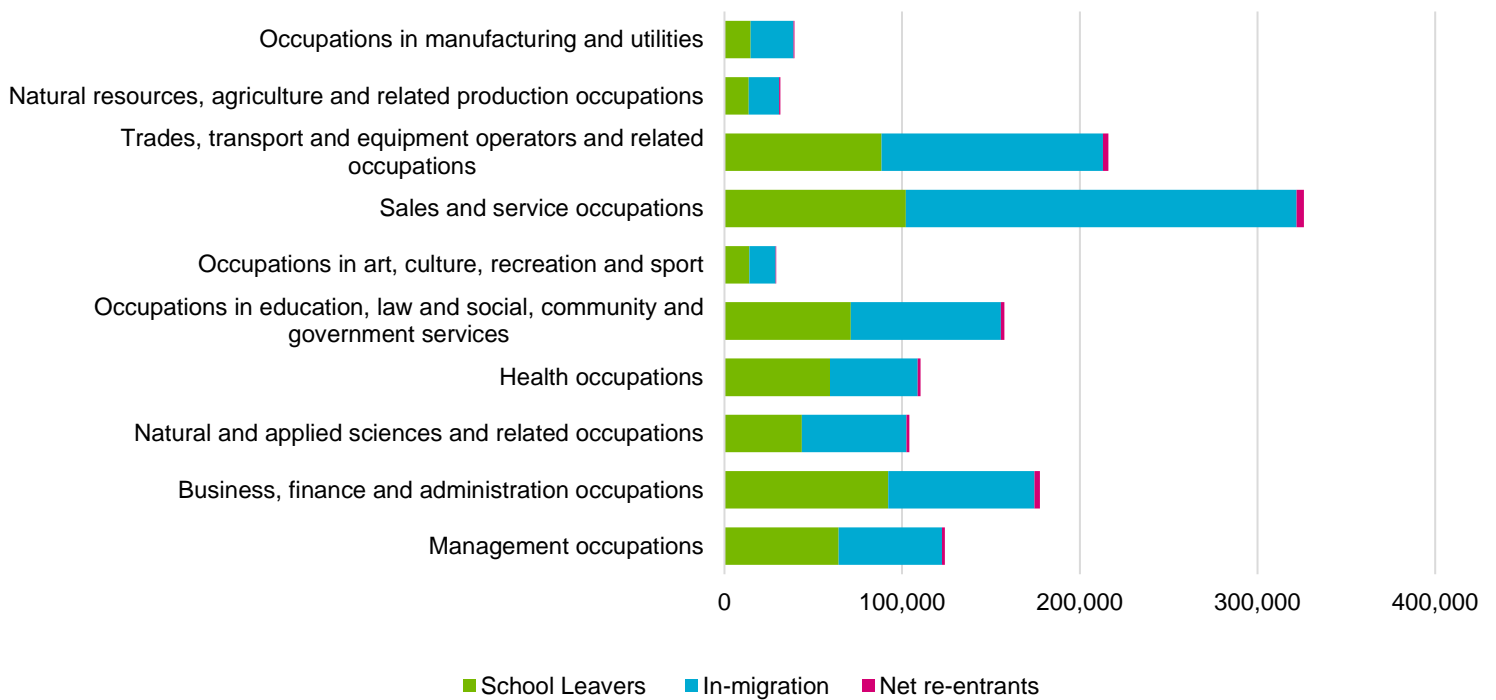
Job Seekers by 1-Digit NOC

Most job seekers will go into the following occupational groupings with the largest number of job openings: sales and services; trades, transport and equipment operators; and Business, finance and administration (Figure 6).

The occupational groupings that will receive the most migrant workers as a share of their total job seekers are in:

- sales and services, 67.4 per cent or 219, 900;
- natural resources, agriculture and related production occupations, 61.3 per cent or 24,100; and
- trades, transport and equipment operators and related occupations, 57.6 per cent or 124,500.

Figure 6: Job Seekers by 1-Digit NOC



Appendix A

Alberta occupational demand and supply outlook models' methodologies

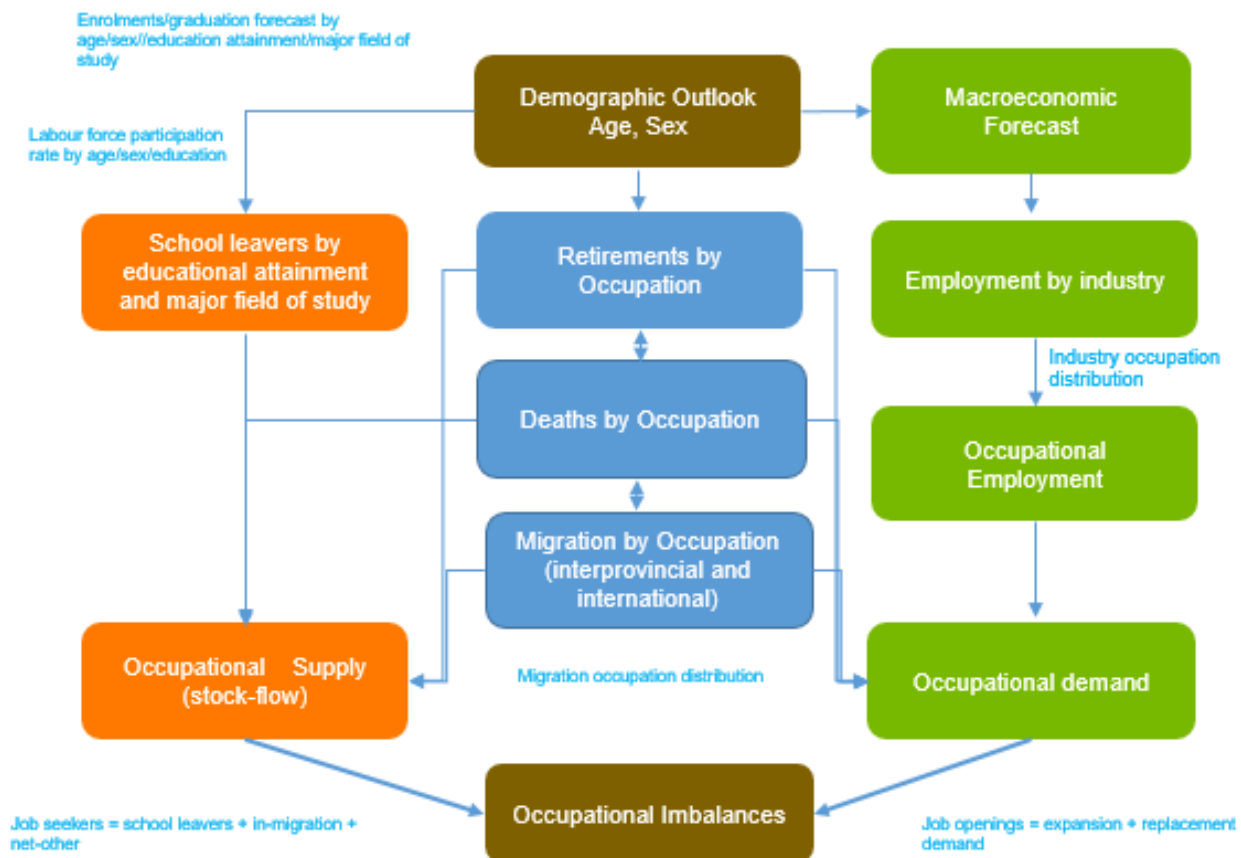
Figure 2 provides a detailed view of how occupational imbalances are forecasted.

Two main components in the Alberta Occupational Demand Outlook Model (AODOM) are the economic and occupational components. The economic component produces an outlook of Alberta's economy. Once the performance of the economy is forecasted, the occupational component calculates the employment that is required to maintain the forecasted growth.

The Alberta Occupational Supply Outlook Model (AOSOM) makes occupational supply forecasts with a series of changes that begin with a demographic outlook and end with occupational supply for occupations.

The model has three major components: demographic, education and replacement demand. Education has a central importance in this model because of its role in training the labour force.

Figure 7: Alberta Occupational Outlook Methodology



Appendix B

Alberta occupational outlook assumptions

As with all forecasts, a number of assumptions are used to derive the results. The model can utilize different assumptions to test various economic scenarios. The assumptions used to generate the results in Appendix C are set out below.

Alberta's key economic indicators

- The average annual compound growth rate for the Gross Domestic Product (GDP) is 2.3 per cent from 2019 to 2028.
- The average annual unemployment rate is 6.0 per cent.
- The average annual employment growth rate is 1.7 per cent.
- The average annual participation rate is 71.7 per cent.

These assumptions generally align with those of the Alberta Treasury Board and Finance 2018: Q2 and those used by the Conference Board of Canada 2018: Q3 in generating the provincial and national Canadian Occupational Projections (COPS) labour market models.

Demographic component

Population levels by age and gender groups are determined by a detailed population forecast by single year age cohorts. Total population averages 1.7% growth from 2019 to 2028.

Migration

- The level of net migration equals the forecasted levels of in-migration less out-migration.
- Age and gender distributions for in-migration and out-migration are determined by the historic age and gender distribution for net migration.
- Future immigrants by education type have their historic distribution and experience similar occupational outcomes as existing residents of Alberta.

Aboriginals

- The Alberta aboriginal population's age specific birth and death rates are the similar to Canadian aboriginal population's rates and adjusted to reflect the most recent long-term population projections for Aboriginals for Alberta.

*Share approach: A method to estimate the future number of people in a group of interest. The proportion of the group of interest to the general population is applied to the forecasted general population estimates to find the predicted group of interest's population. Example:

$$\left[\frac{\text{Activity limitations}}{\text{Alberta population}} \right]_t \times \text{Alberta population forecast } t+1 = \text{Activity limitation population } t+1$$

The proportion at time t *Is multiplied by the forecasted Alberta Population for time t+1* *To find the forecasted number of people with activities limitations for time t+1*

Visible minorities

- The visible minorities' age/gender birth and death rates are equal to the Alberta general population's birth and death rates.
- The visible minorities' less than 15 years old age groups (less than 1, 1-3, 4-9, 10-15 years) are assumed to have the same distributions as the Alberta younger age groups.

Activity limitations

To calculate the number of people with activity limitations, a share approach by age and gender was used. *

Education component

Enrolment & graduation

- The number of people who attend school is calculated as a share of the total number in that age or gender group. This proportion is based on historic shares.
- The secondary school enrolment rates for males and females over the forecast follow the historic trends from 2015-2016.
- Enrolment rates for post-secondary institutions over the forecast were kept constant at the 2016-2017 school year rates.
- Graduation rates are determined by level of schooling, field of study, age and gender. Graduation rates are calculated as a share of those who could potentially graduate and are kept constant over the forecast period.
- The overall number of university, college, vocational and trades graduates is determined by applying the graduate rate to the different age groups who are enrolled in that institution and could potentially graduate.
- Dropout rates and mature student rates are used for the different fields of study and level of schooling.
- Migration rates by educational attainment adjust with total in- and out-migration projections and are determined exogenously. The breakdown of migrants by educational attainment is held constant over the forecast and comes from Statistics Canada

Educational attainment

- To calculate the number of people with university, college, vocational and trades, less than a high school, and high school education, a stock-flow approach ** is used.
- Less than high school educational attainment is adjusted to reflect the estimated portion of mature students in post-secondary institutions that do not have a high school diploma. High school educational attainment is also adjusted to subtract recent graduates from university, college and vocational and trades.
- To forecast educational attainment by field of study, the historic relative enrolment rate for each age and sex cohort is maintained over the forecast period.
- The share of new graduates by field of study for each age, sex group is almost constant over time.
- Educational attainment is based on the new graduate forecast plus net inflows from migration less deaths.

Replacement demand component

- Retirement rates are calculated down to the 4-digit level, using the 2016 Census as a starting point.
- Retirement by occupation uses the age distribution in that occupation given by the census. As people working in a specific occupation enter older age cohorts a larger share will retire. Age specific retirement rates rise over time to the long-term trend toward falling median retirement ages.
- The level of other separations varies over the forecast. It is byproduct of the supply stock-flow reconciliation process. This is a category that represents the number of labour force re-entrants net of other separations
- Emigration, out-migration and death rates are assumed to be the same for those employed as the general population for a particular gender group and vary by age.

****Stock-Flow Approach:** A method in estimating the future population of people in a group of interest. To find the forecasted population, the population from the previous year is adjusted to add those expected to enter that group and subtract those that are expected to leave that group.
Example:

$$\begin{array}{l}
 \text{Number of people} \\
 \text{with college/} \\
 \text{trades training} \quad t+1
 \end{array}
 =
 \begin{array}{l}
 \text{Number of people} \\
 \text{with college/} \\
 \text{trades training} \quad t
 \end{array}
 +
 \begin{array}{l}
 \text{Recent} \\
 \text{graduates of} \\
 \text{college/trades} \quad t+1
 \end{array}
 -
 \begin{array}{l}
 \text{People leaving} \\
 \text{group due to death,} \\
 \text{retirement, etc.} \quad t+1
 \end{array}$$

Occupational component

- Historical occupational supply is determined using the Labour Force Survey (LFS) data by 4-digit and suppressed entries are estimated using various techniques which enlisted the help of the 2011 NHS and 2016 Census. LFS data is supplemented by data from the Canadian Institute for Health Information (CIHI) and Alberta Health.
- Over the forecast period, the distribution of occupation by educational attainment will adjust to changes in relative occupation to educational demand at a pace that is consistent with differences in occupational separation rates.
- Potential occupational new supply determined using a stock-flow approach. Age-specific participation rates are generated and applied those to graduates to get school leavers by educational attainment and field of study. Those school leavers are then translated to occupations using tables derived from the 2011 NHS and 2016 Census. Other sources of supply are added from migration forecast aided by the use of migration occupational tables and other labour market re-entrants.

Appendix C

Alberta Occupational Outlook: 2019 - 2028										
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Job Openings	120,433	121,182	127,314	137,718	136,949	135,480	134,489	132,603	133,866	135,906
Total Job Seekers	120,321	122,116	126,544	131,652	135,668	136,553	134,936	134,416	135,762	137,367
Cumulative Imbalance	112	-822	-52	6,014	7,295	6,222	5,775	3,962	2,066	605
0012 Senior government managers and officials										
Job Openings	90	89	89	98	101	102	104	105	107	110
Job Seekers	102	102	104	105	106	107	107	108	109	110
Cumulative Imbalance	-12	-25	-40	-47	-52	-57	-60	-63	-65	-65
0013 Senior managers - financial, communications and other business services										
Job Openings	276	278	282	303	303	308	311	310	315	319
Job Seekers	277	279	283	288	291	293	294	296	299	302
Cumulative Imbalance	-1	-2	-3	12	24	39	56	70	86	103
0014 Senior managers - health, education, social and community services and membership organizations										
Job Openings	122	125	131	140	142	144	147	148	150	151
Job Seekers	133	134	135	137	138	139	140	141	143	144
Cumulative Imbalance	-11	-20	-24	-21	-17	-12	-5	2	9	16
0015 Senior managers - trade, broadcasting and other services, n.e.c.										
Job Openings	159	164	168	174	179	183	188	192	196	200
Job Seekers	190	183	186	183	182	186	188	192	194	198
Cumulative Imbalance	-31	-50	-68	-77	-80	-83	-83	-83	-81	-79
0016 Senior managers - construction, transportation, production and utilities										
Job Openings	350	366	385	375	387	395	401	414	420	431
Job Seekers	367	368	373	379	381	384	387	389	392	396
Cumulative Imbalance	-17	-19	-7	-11	-5	6	20	45	73	108
0111 Financial managers										
Job Openings	415	428	437	486	485	478	480	483	494	509
Job Seekers	391	395	409	425	439	441	436	435	440	446
Cumulative Imbalance	24	57	85	146	192	229	273	321	375	438
0112 Human resources managers										
Job Openings	278	278	290	308	310	311	315	323	332	344
Job Seekers	317	320	327	336	342	345	343	344	348	352
Cumulative Imbalance	-39	-81	-118	-146	-178	-212	-240	-261	-277	-285
0113 Purchasing managers										
Job Openings	129	129	133	144	144	143	145	150	154	160
Job Seekers	143	145	148	152	155	156	156	156	158	159
Cumulative Imbalance	-14	-30	-45	-53	-64	-77	-88	-94	-98	-97
0114 Other administrative services managers										
Job Openings	149	152	157	165	169	173	177	180	185	189
Job Seekers	189	190	193	195	196	198	199	201	202	204
Cumulative Imbalance	-40	-78	-114	-144	-171	-196	-218	-239	-256	-271

Alberta Occupational Outlook: 2019 - 2028

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
0121 Insurance, real estate and financial brokerage managers										
Job Openings	156	194	188	214	214	212	214	211	215	216
Job Seekers	177	179	182	187	190	191	191	192	194	196
Cumulative Imbalance	-21	-6	0	27	51	72	95	114	135	155
0122 Banking, credit and other investment managers										
Job Openings	187	271	248	322	319	311	316	311	323	329
Job Seekers	279	282	291	301	309	311	309	308	312	316
Cumulative Imbalance	-92	-103	-146	-125	-115	-115	-108	-105	-94	-81
0124 Advertising, marketing and public relations managers										
Job Openings	213	205	210	233	232	234	236	236	242	248
Job Seekers	290	292	297	304	308	311	311	312	316	319
Cumulative Imbalance	-77	-164	-251	-322	-398	-475	-550	-626	-700	-771
0125 Other business services managers										
Job Openings	120	123	126	130	132	135	137	139	141	143
Job Seekers	148	149	151	153	153	154	156	157	158	160
Cumulative Imbalance	-28	-54	-79	-102	-123	-142	-161	-179	-196	-213
0131 Telecommunication carriers managers										
Job Openings	75	61	65	73	70	72	72	70	72	74
Job Seekers	58	59	61	63	65	65	65	64	65	66
Cumulative Imbalance	17	19	23	33	38	45	52	58	65	73
0132 Postal and courier services managers										
Job Openings	16	19	14	26	20	18	19	18	19	19
Job Seekers	16	16	17	18	18	18	18	18	18	19
Cumulative Imbalance	0	3	0	8	10	10	11	11	12	12
0211 Engineering managers										
Job Openings	204	175	181	204	194	186	186	194	200	212
Job Seekers	108	110	116	124	130	131	127	125	126	128
Cumulative Imbalance	96	161	226	306	370	425	484	553	627	711
0212 Architecture and science managers										
Job Openings	83	70	74	94	90	86	85	83	85	88
Job Seekers	62	63	66	69	73	73	71	71	72	73
Cumulative Imbalance	21	28	36	61	78	91	105	117	130	145
0213 Computer and information systems managers										
Job Openings	302	272	277	330	320	317	321	322	334	345
Job Seekers	307	309	318	328	337	339	336	336	340	345
Cumulative Imbalance	-5	-42	-83	-81	-98	-120	-135	-149	-155	-155
0311 Managers in health care										
Job Openings	216	218	253	307	311	303	309	304	313	314
Job Seekers	210	212	218	224	230	232	230	230	233	236
Cumulative Imbalance	6	12	47	130	211	282	361	435	515	593

Alberta Occupational Outlook: 2019 - 2028

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
0411 Government managers - health and social policy development and program administration										
Job Openings	24	22	21	25	27	26	27	26	28	28
Job Seekers	25	25	26	27	27	27	27	27	28	28
Cumulative Imbalance	-1	-4	-9	-11	-11	-12	-12	-13	-13	-13
0412 Government managers - economic analysis, policy development and program administration										
Job Openings	53	42	34	53	58	51	50	47	49	50
Job Seekers	36	37	39	42	45	45	43	42	43	44
Cumulative Imbalance	17	22	17	28	41	47	54	59	65	71
0413 Government managers - education policy development and program administration										
Job Openings	9	9	8	10	10	10	10	10	10	10
Job Seekers	9	9	10	10	10	10	10	10	10	10
Cumulative Imbalance	0	0	-2	-2	-2	-2	-2	-2	-2	-2
0414 Other managers in public administration										
Job Openings	77	58	47	76	81	71	70	65	68	70
Job Seekers	36	37	40	45	49	49	46	45	46	47
Cumulative Imbalance	41	62	69	100	132	154	178	198	220	243
0421 Administrators - post-secondary education and vocational training										
Job Openings	76	82	87	99	102	101	102	101	104	104
Job Seekers	105	106	107	109	111	111	112	112	114	115
Cumulative Imbalance	-29	-53	-73	-83	-92	-102	-112	-123	-133	-144
0422 School principals and administrators of elementary and secondary education										
Job Openings	173	205	221	283	289	277	278	265	270	266
Job Seekers	203	205	211	219	226	227	225	224	227	230
Cumulative Imbalance	-30	-30	-20	44	107	157	210	251	294	330
0423 Managers in social, community and correctional services										
Job Openings	215	205	230	281	281	273	274	266	273	273
Job Seekers	172	174	180	187	194	195	193	192	194	197
Cumulative Imbalance	43	74	124	218	305	383	464	538	617	693
0431 Commissioned police officers										
Job Openings	5	5	5	6	6	6	6	6	7	7
Job Seekers	6	6	6	6	6	6	6	6	6	6
Cumulative Imbalance	-1	-2	-3	-3	-3	-3	-3	-3	-2	-1
0432 Fire chiefs and senior firefighting officers										
Job Openings	15	14	14	16	17	17	17	18	18	19
Job Seekers	15	15	16	16	16	17	17	17	17	17
Cumulative Imbalance	0	-1	-3	-3	-2	-2	-2	-1	0	2
0433 Commissioned officers of the Canadian Forces										
Job Openings	38	35	33	39	41	39	40	39	41	42
Job Seekers	66	66	67	68	69	70	70	70	71	71
Cumulative Imbalance	-28	-59	-93	-122	-150	-181	-211	-242	-272	-301

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
0511 Library, archive, museum and art gallery managers										
Job Openings	40	35	36	40	39	39	39	38	39	39
Job Seekers	37	37	38	39	40	40	40	40	41	41
Cumulative Imbalance	3	1	-1	0	-1	-2	-3	-5	-7	-9
0512 Managers - publishing, motion pictures, broadcasting and performing arts										
Job Openings	29	25	26	29	29	29	30	29	30	30
Job Seekers	23	23	24	25	25	25	25	25	26	26
Cumulative Imbalance	6	8	10	14	18	22	27	31	35	39
0513 Recreation, sports and fitness program and service directors										
Job Openings	81	71	73	83	81	82	82	80	82	84
Job Seekers	76	77	79	81	83	84	83	84	85	86
Cumulative Imbalance	5	-1	-7	-5	-7	-9	-10	-14	-17	-19
0601 Corporate sales managers										
Job Openings	264	275	276	304	308	310	317	321	329	337
Job Seekers	326	328	335	342	346	348	349	351	354	358
Cumulative Imbalance	-62	-115	-174	-212	-250	-288	-320	-350	-375	-396
0621 Retail and wholesale trade managers										
Job Openings	2,128	2,279	2,070	2,710	2,734	2,661	2,685	2,602	2,669	2,694
Job Seekers	2,089	2,118	2,192	2,277	2,343	2,359	2,334	2,327	2,351	2,379
Cumulative Imbalance	39	200	78	511	902	1,204	1,555	1,830	2,148	2,463
0631 Restaurant and food service managers										
Job Openings	967	759	795	913	856	884	877	848	865	885
Job Seekers	676	687	714	746	772	777	766	762	770	781
Cumulative Imbalance	291	363	444	611	695	802	913	999	1,094	1,198
0632 Accommodation service managers										
Job Openings	310	233	246	298	272	276	270	253	255	258
Job Seekers	124	127	137	148	158	159	153	150	152	155
Cumulative Imbalance	186	292	401	551	665	782	899	1,002	1,105	1,208
0651 Managers in customer and personal services, n.e.c.										
Job Openings	205	182	189	210	204	208	209	205	208	211
Job Seekers	176	178	183	189	193	195	194	194	195	197
Cumulative Imbalance	29	33	39	60	71	84	99	110	123	137
0711 Construction managers										
Job Openings	701	948	1,288	447	710	906	864	932	870	918
Job Seekers	690	699	725	755	780	784	773	768	776	785
Cumulative Imbalance	11	260	823	515	445	567	658	822	916	1,049
0712 Home building and renovation managers										
Job Openings	382	815	1,382	-136	318	653	564	661	532	589
Job Seekers	235	245	272	306	338	339	317	306	311	320
Cumulative Imbalance	147	717	1,827	1,385	1,365	1,679	1,926	2,281	2,502	2,771

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
0714 Facility operation and maintenance managers										
Job Openings	395	410	410	467	460	454	459	462	473	483
Job Seekers	380	384	394	405	413	416	414	414	418	422
Cumulative Imbalance	15	41	57	119	166	204	249	297	352	413
0731 Managers in transportation										
Job Openings	225	256	211	340	270	251	258	250	260	263
Job Seekers	197	201	210	220	229	230	226	224	227	230
Cumulative Imbalance	28	83	84	204	245	266	298	324	357	390
0811 Managers in natural resources production and fishing										
Job Openings	269	254	265	319	303	260	261	312	335	372
Job Seekers	234	238	247	259	268	270	265	263	266	270
Cumulative Imbalance	35	51	69	129	164	154	150	199	268	370
0821 Managers in agriculture										
Job Openings	605	1,816	1,668	1,945	1,858	1,695	1,606	1,529	1,521	1,471
Job Seekers	1,263	1,283	1,333	1,389	1,431	1,440	1,422	1,416	1,429	1,445
Cumulative Imbalance	-658	-125	210	766	1,193	1,448	1,632	1,745	1,837	1,863
0822 Managers in horticulture										
Job Openings	-41	23	16	34	31	24	21	19	21	21
Job Seekers	20	21	23	25	28	28	26	25	26	26
Cumulative Imbalance	-61	-59	-66	-57	-54	-58	-63	-69	-74	-79
0823 Managers in aquaculture										
Job Openings	1	2	2	2	2	2	2	2	2	2
Job Seekers	1	1	2	2	2	2	2	2	2	2
Cumulative Imbalance	0	1	1	1	1	1	1	1	1	1
0911 Manufacturing managers										
Job Openings	306	296	275	357	325	297	312	301	303	303
Job Seekers	285	290	300	313	323	325	320	319	322	326
Cumulative Imbalance	21	27	2	46	48	20	12	-6	-25	-48
0912 Utilities managers										
Job Openings	196	147	142	156	151	144	147	148	150	157
Job Seekers	102	103	108	114	120	120	117	116	118	119
Cumulative Imbalance	94	138	172	214	245	269	299	331	363	401
1111 Financial auditors and accountants										
Job Openings	1,611	1,431	1,466	1,680	1,612	1,561	1,546	1,563	1,600	1,661
Job Seekers	1,497	1,513	1,562	1,623	1,674	1,684	1,662	1,656	1,677	1,701
Cumulative Imbalance	114	32	-64	-7	-69	-192	-308	-401	-478	-518
1112 Financial and investment analysts										
Job Openings	154	174	162	216	207	191	191	192	199	207
Job Seekers	218	220	227	236	244	245	242	241	244	248
Cumulative Imbalance	-64	-110	-175	-195	-232	-286	-337	-386	-431	-472

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1113 Securities agents, investment dealers and brokers										
Job Openings	49	85	74	103	99	93	93	88	91	91
Job Seekers	76	77	80	84	87	87	86	85	86	88
Cumulative Imbalance	-27	-19	-25	-6	6	12	19	22	27	30
1114 Other financial officers										
Job Openings	409	651	582	784	764	731	730	703	725	733
Job Seekers	586	595	618	647	671	675	663	659	667	677
Cumulative Imbalance	-177	-121	-157	-20	73	129	196	240	298	354
1121 Human resources professionals										
Job Openings	486	447	455	563	541	514	510	503	517	531
Job Seekers	442	449	467	490	510	513	502	499	505	513
Cumulative Imbalance	44	42	30	103	134	135	143	147	159	177
1122 Professional occupations in business management consulting										
Job Openings	722	587	591	737	682	663	655	640	656	676
Job Seekers	495	503	527	555	582	585	570	564	572	582
Cumulative Imbalance	227	311	375	557	657	735	820	896	980	1,074
1123 Professional occupations in advertising, marketing and public relations										
Job Openings	601	504	511	644	610	588	577	550	561	571
Job Seekers	486	495	518	546	573	576	561	555	563	573
Cumulative Imbalance	115	124	117	215	252	264	280	275	273	271
1211 Supervisors, general office and administrative support workers										
Job Openings	119	112	113	139	136	130	130	128	131	134
Job Seekers	71	73	77	83	87	88	85	84	85	87
Cumulative Imbalance	48	87	123	179	228	270	315	359	405	452
1212 Supervisors, finance and insurance office workers										
Job Openings	168	178	179	223	217	200	198	200	208	218
Job Seekers	100	104	112	123	134	134	128	125	127	130
Cumulative Imbalance	68	142	209	309	392	458	528	603	684	772
1213 Supervisors, library, correspondence and related information workers										
Job Openings	20	18	17	20	20	20	19	19	19	19
Job Seekers	18	19	19	20	20	21	20	20	21	21
Cumulative Imbalance	2	1	-1	-1	-1	-2	-3	-4	-6	-8
1214 Supervisors, mail and message distribution occupations										
Job Openings	20	18	17	20	20	20	19	19	19	19
Job Seekers	18	19	19	20	20	21	20	20	21	21
Cumulative Imbalance	2	1	-1	-1	-1	-2	-3	-4	-6	-8
1215 Supervisors, supply chain, tracking and scheduling co-ordination occupations										
Job Openings	332	352	286	486	407	362	366	352	367	375
Job Seekers	203	210	228	250	271	272	259	253	257	263
Cumulative Imbalance	129	271	329	565	701	791	898	997	1,107	1,219

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1221 Administrative officers										
Job Openings	1,727	1,746	1,866	1,974	2,001	2,001	2,002	2,004	2,033	2,078
Job Seekers	1,526	1,546	1,600	1,663	1,714	1,726	1,708	1,705	1,725	1,748
Cumulative Imbalance	201	401	667	978	1,265	1,540	1,834	2,133	2,441	2,771
1222 Executive assistants										
Job Openings	308	300	311	355	355	348	347	344	352	361
Job Seekers	234	237	248	260	271	273	268	266	269	274
Cumulative Imbalance	74	137	200	295	379	454	533	611	694	781
1223 Human resources and recruitment officers										
Job Openings	150	135	141	163	159	156	155	153	157	161
Job Seekers	151	153	158	164	169	171	169	168	171	173
Cumulative Imbalance	-1	-19	-36	-37	-47	-62	-76	-91	-105	-117
1224 Property administrators										
Job Openings	271	328	317	354	351	343	341	333	335	334
Job Seekers	261	263	271	279	285	287	286	286	289	292
Cumulative Imbalance	10	75	121	196	262	318	373	420	466	508
1225 Purchasing agents and officers										
Job Openings	484	469	480	551	536	491	490	528	549	586
Job Seekers	377	384	402	424	443	445	436	432	438	445
Cumulative Imbalance	107	192	270	397	490	536	590	686	797	938
1226 Conference and event planners										
Job Openings	150	126	131	160	151	150	148	140	143	144
Job Seekers	117	119	124	131	136	137	134	133	135	138
Cumulative Imbalance	33	40	47	76	91	104	118	125	133	139
1227 Court officers and justices of the peace										
Job Openings	16	16	16	16	16	16	16	16	16	16
Job Seekers	17	17	17	17	17	18	18	18	18	18
Cumulative Imbalance	-1	-2	-3	-4	-5	-7	-9	-11	-13	-15
1228 Employment insurance, immigration, border services and revenue officers										
Job Openings	120	99	85	120	128	118	117	110	115	117
Job Seekers	99	100	105	111	116	117	114	113	115	117
Cumulative Imbalance	21	20	0	9	21	22	25	22	22	22
1241 Administrative assistants										
Job Openings	1,419	1,455	1,520	1,651	1,665	1,651	1,644	1,627	1,648	1,676
Job Seekers	1,154	1,172	1,219	1,275	1,319	1,329	1,311	1,306	1,322	1,340
Cumulative Imbalance	265	548	849	1,225	1,571	1,893	2,226	2,547	2,873	3,209
1242 Legal administrative assistants										
Job Openings	398	313	323	382	357	362	356	341	347	355
Job Seekers	242	246	258	272	285	287	280	278	282	287
Cumulative Imbalance	156	223	288	398	470	545	621	684	749	817

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1243 Medical administrative assistants										
Job Openings	259	259	306	380	382	367	371	359	367	364
Job Seekers	199	202	210	220	228	230	226	225	228	232
Cumulative Imbalance	60	117	213	373	527	664	809	943	1,082	1,214
1251 Court reporters, medical transcriptionists and related occupations										
Job Openings	120	104	118	149	145	141	140	133	136	136
Job Seekers	64	65	69	74	78	79	76	75	77	78
Cumulative Imbalance	56	95	144	219	286	348	412	470	529	587
1252 Health information management occupations										
Job Openings	26	26	28	31	32	32	34	34	35	36
Job Seekers	33	33	33	34	34	34	35	35	35	36
Cumulative Imbalance	-7	-14	-19	-22	-24	-26	-27	-28	-28	-28
1253 Records management technicians										
Job Openings	30	30	31	33	34	34	35	37	38	39
Job Seekers	37	37	38	39	39	39	39	40	40	41
Cumulative Imbalance	-7	-14	-21	-27	-32	-37	-41	-44	-46	-48
1254 Statistical officers and related research support occupations										
Job Openings	15	15	15	17	17	17	18	18	18	19
Job Seekers	22	22	23	23	23	23	24	24	24	24
Cumulative Imbalance	-7	-14	-22	-28	-34	-40	-46	-52	-58	-63
1311 Accounting technicians and bookkeepers										
Job Openings	1,370	1,341	1,433	1,468	1,447	1,466	1,439	1,421	1,427	1,458
Job Seekers	1,066	1,083	1,129	1,183	1,231	1,238	1,213	1,203	1,217	1,234
Cumulative Imbalance	304	562	866	1,151	1,367	1,595	1,821	2,039	2,249	2,473
1312 Insurance adjusters and claims examiners										
Job Openings	86	145	130	171	168	162	163	158	163	165
Job Seekers	163	165	169	175	180	181	179	179	181	183
Cumulative Imbalance	-77	-97	-136	-140	-152	-171	-187	-208	-226	-244
1313 Insurance underwriters										
Job Openings	43	54	52	60	60	60	61	61	63	64
Job Seekers	91	92	93	94	95	96	96	97	98	98
Cumulative Imbalance	-48	-86	-127	-161	-196	-232	-267	-303	-338	-372
1314 Assessors, valuers and appraisers										
Job Openings	55	68	62	80	80	76	75	72	74	74
Job Seekers	78	79	81	84	86	87	86	85	86	87
Cumulative Imbalance	-23	-34	-53	-57	-63	-74	-85	-98	-110	-123
1315 Customs, ship and other brokers										
Job Openings	10	10	10	12	11	11	12	12	12	12
Job Seekers	15	15	15	15	15	15	15	15	16	16
Cumulative Imbalance	-5	-10	-15	-18	-22	-26	-29	-32	-36	-40

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1411 General office support workers										
Job Openings	1,579	1,599	1,701	1,910	1,918	1,888	1,892	1,864	1,894	1,916
Job Seekers	1,420	1,440	1,491	1,552	1,601	1,612	1,594	1,590	1,608	1,630
Cumulative Imbalance	159	318	528	886	1,203	1,479	1,777	2,051	2,337	2,623
1414 Receptionists										
Job Openings	1,178	1,142	1,265	1,502	1,491	1,455	1,457	1,411	1,436	1,438
Job Seekers	958	973	1,013	1,060	1,100	1,109	1,092	1,086	1,099	1,115
Cumulative Imbalance	220	389	641	1,083	1,474	1,820	2,185	2,510	2,847	3,170
1415 Personnel clerks										
Job Openings	46	47	49	53	54	54	55	56	57	58
Job Seekers	64	64	65	67	68	68	68	69	69	70
Cumulative Imbalance	-18	-35	-51	-65	-79	-93	-106	-119	-131	-143
1416 Court clerks										
Job Openings	22	21	20	23	24	24	24	24	25	25
Job Seekers	28	28	29	29	30	30	30	30	30	31
Cumulative Imbalance	-6	-13	-22	-28	-34	-40	-46	-52	-57	-63
1422 Data entry clerks										
Job Openings	224	223	222	268	260	253	255	255	262	268
Job Seekers	216	219	226	235	242	243	241	241	244	247
Cumulative Imbalance	8	12	8	41	59	69	83	97	115	136
1423 Desktop publishing operators and related occupations										
Job Openings	6	6	6	7	7	7	7	7	7	7
Job Seekers	7	7	7	7	8	8	8	8	8	8
Cumulative Imbalance	-1	-2	-3	-3	-4	-5	-6	-7	-8	-9
1431 Accounting and related clerks										
Job Openings	937	932	958	1,062	1,047	1,032	1,032	1,036	1,056	1,085
Job Seekers	830	842	873	909	939	945	933	930	941	954
Cumulative Imbalance	107	197	282	435	543	630	729	835	950	1,081
1432 Payroll clerks										
Job Openings	257	262	282	290	295	292	290	296	302	314
Job Seekers	213	216	226	238	247	249	244	242	246	249
Cumulative Imbalance	44	90	146	198	246	289	335	389	445	510
1434 Banking, insurance and other financial clerks										
Job Openings	72	105	96	124	123	119	120	117	121	122
Job Seekers	97	98	101	106	109	110	108	108	109	111
Cumulative Imbalance	-25	-18	-23	-5	9	18	30	39	51	62
1435 Collectors										
Job Openings	51	48	44	60	58	55	55	53	54	56
Job Seekers	36	37	39	41	44	44	43	42	43	43
Cumulative Imbalance	15	26	31	50	64	75	87	98	109	122

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1451 Library assistants and clerks										
Job Openings	167	128	134	154	143	148	146	140	142	145
Job Seekers	102	104	108	114	118	119	117	116	118	119
Cumulative Imbalance	65	89	115	155	180	209	238	262	286	312
1452 Correspondence, publication and regulatory clerks										
Job Openings	158	149	152	172	171	169	170	172	177	182
Job Seekers	172	174	178	183	187	189	188	188	190	193
Cumulative Imbalance	-14	-39	-65	-76	-92	-112	-130	-146	-159	-170
1454 Survey interviewers and statistical clerks										
Job Openings	125	113	109	125	126	121	121	117	118	118
Job Seekers	134	135	138	142	145	146	146	146	148	150
Cumulative Imbalance	-9	-31	-60	-77	-96	-121	-146	-175	-205	-237
1511 Mail, postal and related workers										
Job Openings	144	165	129	226	172	159	165	158	165	166
Job Seekers	123	125	131	137	142	143	141	140	142	144
Cumulative Imbalance	21	61	59	148	178	194	218	236	259	281
1512 Letter carriers										
Job Openings	130	162	113	238	166	150	158	149	159	159
Job Seekers	120	122	128	135	141	142	139	138	140	142
Cumulative Imbalance	10	50	35	138	163	171	190	201	220	237
1513 Couriers, messengers and door-to-door distributors										
Job Openings	166	172	149	218	180	171	173	164	168	167
Job Seekers	117	120	125	131	136	137	135	134	135	137
Cumulative Imbalance	49	101	125	212	256	290	328	358	391	421
1521 Shippers and receivers										
Job Openings	580	623	546	783	721	674	681	652	668	673
Job Seekers	451	462	490	522	549	553	538	532	538	547
Cumulative Imbalance	129	290	346	607	779	900	1,043	1,163	1,293	1,419
1522 Storekeepers and partspersons										
Job Openings	267	278	273	312	313	310	314	312	319	323
Job Seekers	297	300	307	315	320	322	322	322	324	327
Cumulative Imbalance	-30	-52	-86	-89	-96	-108	-116	-126	-131	-135
1523 Production logistics co-ordinators										
Job Openings	151	149	157	169	167	161	163	171	176	185
Job Seekers	164	166	172	178	182	184	182	182	183	186
Cumulative Imbalance	-13	-30	-45	-54	-69	-92	-111	-122	-129	-130
1524 Purchasing and inventory control workers										
Job Openings	149	152	147	179	174	170	172	171	176	180
Job Seekers	147	149	154	159	163	164	163	163	165	167
Cumulative Imbalance	2	5	-2	18	29	35	44	52	63	76

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1525 Dispatchers										
Job Openings	234	240	210	314	265	245	248	244	254	260
Job Seekers	198	202	213	225	236	237	232	229	232	236
Cumulative Imbalance	36	74	71	160	189	197	213	228	250	274
1526 Transportation route and crew schedulers										
Job Openings	29	30	30	34	33	32	33	33	33	33
Job Seekers	36	36	37	38	38	39	39	39	39	40
Cumulative Imbalance	-7	-13	-20	-24	-29	-36	-42	-48	-54	-61
2111 Physicists and astronomers										
Job Openings	9	9	9	9	10	10	10	10	10	11
Job Seekers	17	17	17	17	17	17	17	17	18	18
Cumulative Imbalance	-8	-16	-24	-32	-39	-46	-53	-60	-68	-75
2112 Chemists										
Job Openings	77	69	69	84	79	73	73	72	73	75
Job Seekers	117	118	120	123	126	127	126	126	128	130
Cumulative Imbalance	-40	-89	-140	-179	-226	-280	-333	-387	-442	-497
2113 Geoscientists and oceanographers										
Job Openings	279	247	254	302	287	258	256	285	300	323
Job Seekers	452	454	460	470	477	480	479	482	489	496
Cumulative Imbalance	-173	-380	-586	-754	-944	-1,166	-1,389	-1,586	-1,775	-1,948
2114 Meteorologists and climatologists										
Job Openings	7	7	7	7	7	8	8	8	8	8
Job Seekers	15	15	15	15	15	15	15	15	16	16
Cumulative Imbalance	-8	-16	-24	-32	-40	-47	-54	-61	-69	-77
2115 Other professional occupations in physical sciences										
Job Openings	8	7	7	7	7	7	7	7	7	7
Job Seekers	12	12	12	12	12	12	12	12	13	13
Cumulative Imbalance	-4	-9	-14	-19	-24	-29	-34	-39	-45	-51
2121 Biologists and related scientists										
Job Openings	157	135	139	164	158	155	153	147	149	151
Job Seekers	207	208	213	219	223	225	223	224	227	230
Cumulative Imbalance	-50	-123	-197	-252	-317	-387	-457	-534	-612	-691
2122 Forestry professionals										
Job Openings	21	22	22	23	23	23	24	24	24	25
Job Seekers	20	20	21	21	21	21	21	21	21	21
Cumulative Imbalance	1	3	4	6	8	10	13	16	19	23
2123 Agricultural representatives, consultants and specialists										
Job Openings	54	72	65	87	83	77	75	71	72	72
Job Seekers	92	93	96	99	102	103	102	101	103	104
Cumulative Imbalance	-38	-59	-90	-102	-121	-147	-174	-204	-235	-267

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2131 Civil engineers										
Job Openings	583	532	564	551	552	563	557	556	558	571
Job Seekers	399	405	422	440	452	455	449	445	448	451
Cumulative Imbalance	184	311	453	564	664	772	880	991	1,101	1,221
2132 Mechanical engineers										
Job Openings	452	407	416	458	441	428	429	441	451	470
Job Seekers	322	327	341	356	366	368	363	360	362	364
Cumulative Imbalance	130	210	285	387	462	522	588	669	758	864
2133 Electrical and electronics engineers										
Job Openings	478	389	391	440	421	409	411	412	418	433
Job Seekers	287	292	306	321	332	334	328	325	327	330
Cumulative Imbalance	191	288	373	492	581	656	739	826	917	1,020
2134 Chemical engineers										
Job Openings	188	175	176	198	191	183	185	193	199	207
Job Seekers	153	155	160	165	168	169	168	168	168	169
Cumulative Imbalance	35	55	71	104	127	141	158	183	214	252
2141 Industrial and manufacturing engineers										
Job Openings	103	94	95	112	106	98	99	107	111	118
Job Seekers	95	96	100	103	106	106	105	105	105	106
Cumulative Imbalance	8	6	1	10	10	2	-4	-2	4	16
2142 Metallurgical and materials engineers										
Job Openings	30	29	29	30	30	30	30	30	30	30
Job Seekers	29	29	30	30	30	31	31	31	31	31
Cumulative Imbalance	1	1	0	0	0	-1	-2	-3	-4	-5
2143 Mining engineers										
Job Openings	49	38	38	54	47	35	34	44	49	57
Job Seekers	24	25	27	30	32	32	31	30	30	30
Cumulative Imbalance	25	38	49	73	88	91	94	108	127	154
2144 Geological engineers										
Job Openings	24	23	24	25	25	25	25	26	26	27
Job Seekers	22	22	22	23	23	23	23	23	23	24
Cumulative Imbalance	2	3	5	7	9	11	13	16	19	22
2145 Petroleum engineers										
Job Openings	483	392	399	543	483	371	362	461	502	575
Job Seekers	245	254	275	299	320	321	306	299	302	307
Cumulative Imbalance	238	376	500	744	907	957	1,013	1,175	1,375	1,643
2146 Aerospace engineers										
Job Openings	5	5	5	6	5	6	6	6	6	6
Job Seekers	5	5	5	5	5	5	5	5	6	6
Cumulative Imbalance	0	0	0	1	1	2	3	4	4	4

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2147 Computer engineers (except software engineers and designers)										
Job Openings	121	105	107	122	117	116	116	115	117	121
Job Seekers	107	108	111	116	119	119	118	118	119	120
Cumulative Imbalance	14	11	7	13	11	8	6	3	1	2
2148 Other professional engineers, n.e.c.										
Job Openings	53	48	44	75	62	55	53	50	53	54
Job Seekers	15	17	20	23	27	27	24	23	23	24
Cumulative Imbalance	38	69	93	145	180	208	237	264	294	324
2151 Architects										
Job Openings	73	68	71	72	72	73	73	72	73	74
Job Seekers	127	127	128	130	131	132	132	133	135	136
Cumulative Imbalance	-54	-113	-170	-228	-287	-346	-405	-466	-528	-590
2152 Landscape architects										
Job Openings	9	8	9	9	9	9	9	9	9	9
Job Seekers	14	14	14	14	14	14	15	15	15	15
Cumulative Imbalance	-5	-11	-16	-21	-26	-31	-37	-43	-49	-55
2153 Urban and land use planners										
Job Openings	129	113	111	127	128	123	121	120	122	125
Job Seekers	154	156	160	165	169	170	168	168	170	173
Cumulative Imbalance	-25	-68	-117	-155	-196	-243	-290	-338	-386	-434
2154 Land surveyors										
Job Openings	111	95	105	97	97	101	99	99	99	102
Job Seekers	85	87	90	94	97	98	96	96	97	98
Cumulative Imbalance	26	34	49	52	52	55	58	61	63	67
2161 Mathematicians, statisticians and actuaries										
Job Openings	25	24	25	27	27	26	26	26	26	27
Job Seekers	45	45	46	47	47	47	48	48	48	49
Cumulative Imbalance	-20	-41	-62	-82	-102	-123	-145	-167	-189	-211
2171 Information systems analysts and consultants										
Job Openings	1,086	959	970	1,159	1,114	1,093	1,094	1,081	1,110	1,139
Job Seekers	1,179	1,190	1,224	1,265	1,296	1,304	1,293	1,292	1,306	1,323
Cumulative Imbalance	-93	-324	-578	-684	-866	-1,077	-1,276	-1,487	-1,683	-1,867
2172 Database analysts and data administrators										
Job Openings	163	137	138	175	165	156	155	154	160	166
Job Seekers	141	143	149	156	163	164	160	159	161	164
Cumulative Imbalance	22	16	5	24	26	18	13	8	7	9
2173 Software engineers and designers										
Job Openings	200	168	168	204	190	187	186	182	187	192
Job Seekers	191	194	200	208	215	216	213	212	214	217
Cumulative Imbalance	9	-17	-49	-53	-78	-107	-134	-164	-191	-216

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2174 Computer programmers and interactive media developers										
Job Openings	605	477	490	594	545	543	533	509	519	532
Job Seekers	505	512	533	559	582	585	573	569	577	586
Cumulative Imbalance	100	65	22	57	20	-22	-62	-122	-180	-234
2175 Web designers and developers										
Job Openings	143	111	113	142	130	130	126	118	120	121
Job Seekers	115	117	123	129	135	135	132	131	133	135
Cumulative Imbalance	28	22	12	25	20	15	9	-4	-17	-31
2211 Chemical technologists and technicians										
Job Openings	164	149	148	172	165	158	160	161	165	170
Job Seekers	227	228	233	239	243	244	244	245	247	250
Cumulative Imbalance	-63	-142	-227	-294	-372	-458	-542	-626	-708	-788
2212 Geological and mineral technologists and technicians										
Job Openings	139	129	133	153	148	136	137	151	159	170
Job Seekers	174	175	180	184	188	189	189	189	191	193
Cumulative Imbalance	-35	-81	-128	-159	-199	-252	-304	-342	-374	-397
2221 Biological technologists and technicians										
Job Openings	38	38	39	40	41	41	41	41	42	42
Job Seekers	69	69	70	71	71	72	72	73	74	74
Cumulative Imbalance	-31	-62	-93	-124	-154	-185	-216	-248	-280	-312
2222 Agricultural and fish products inspectors										
Job Openings	26	27	27	29	29	29	30	30	30	30
Job Seekers	39	40	40	41	41	41	41	42	42	42
Cumulative Imbalance	-13	-26	-39	-51	-63	-75	-86	-98	-110	-122
2223 Forestry technologists and technicians										
Job Openings	30	36	31	47	44	39	38	34	35	35
Job Seekers	23	24	26	29	32	32	30	29	30	30
Cumulative Imbalance	7	19	24	42	54	61	69	74	79	84
2224 Conservation and fishery officers										
Job Openings	18	18	18	19	19	20	20	20	21	22
Job Seekers	24	24	24	25	25	25	25	25	25	25
Cumulative Imbalance	-6	-12	-18	-24	-30	-35	-40	-45	-49	-52
2225 Landscape and horticulture technicians and specialists										
Job Openings	118	102	104	120	114	115	114	110	112	113
Job Seekers	101	102	106	110	114	114	113	113	114	115
Cumulative Imbalance	17	17	15	25	25	26	27	24	22	20
2231 Civil engineering technologists and technicians										
Job Openings	208	187	203	185	190	196	192	191	190	195
Job Seekers	170	172	179	187	193	194	191	190	192	195
Cumulative Imbalance	38	53	77	75	72	74	75	76	74	74

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2232 Mechanical engineering technologists and technicians										
Job Openings	113	105	109	116	113	110	109	112	114	118
Job Seekers	115	116	120	124	127	128	127	127	128	129
Cumulative Imbalance	-2	-13	-24	-32	-46	-64	-82	-97	-111	-122
2233 Industrial engineering and manufacturing technologists and technicians										
Job Openings	93	87	86	100	96	90	92	92	94	97
Job Seekers	96	98	101	105	108	109	107	107	108	109
Cumulative Imbalance	-3	-14	-29	-34	-46	-65	-80	-95	-109	-121
2234 Construction estimators										
Job Openings	228	284	369	160	223	270	258	273	256	267
Job Seekers	236	239	248	258	265	266	263	262	264	267
Cumulative Imbalance	-8	37	158	60	18	22	17	28	20	20
2241 Electrical and electronics engineering technologists and technicians										
Job Openings	245	238	252	248	254	257	258	263	266	273
Job Seekers	275	278	284	292	297	299	298	298	301	304
Cumulative Imbalance	-30	-70	-102	-146	-189	-231	-271	-306	-341	-372
2242 Electronic service technicians (household and business equipment)										
Job Openings	373	364	387	377	386	398	394	387	387	395
Job Seekers	337	342	355	370	382	384	380	378	382	386
Cumulative Imbalance	36	58	90	97	101	115	129	138	143	152
2243 Industrial instrument technicians and mechanics										
Job Openings	164	156	163	171	167	156	156	169	174	185
Job Seekers	211	213	219	225	230	231	230	230	231	233
Cumulative Imbalance	-47	-104	-160	-214	-277	-352	-426	-487	-544	-592
2244 Aircraft instrument, electrical and avionics mechanics, technicians and inspectors										
Job Openings	31	34	28	44	36	33	34	33	35	35
Job Seekers	42	42	43	45	46	46	46	46	46	46
Cumulative Imbalance	-11	-19	-34	-35	-45	-58	-70	-83	-94	-105
2251 Architectural technologists and technicians										
Job Openings	104	87	98	89	89	95	93	90	89	91
Job Seekers	86	87	91	95	98	99	97	97	98	99
Cumulative Imbalance	18	18	25	19	10	6	2	-5	-14	-22
2252 Industrial designers										
Job Openings	25	25	26	26	27	27	28	28	29	29
Job Seekers	35	35	36	36	37	37	37	37	38	38
Cumulative Imbalance	-10	-20	-30	-40	-50	-60	-69	-78	-87	-96
2253 Drafting technologists and technicians										
Job Openings	383	326	354	347	339	343	337	338	339	353
Job Seekers	273	278	291	307	321	322	315	312	316	321
Cumulative Imbalance	110	158	221	261	279	300	322	348	371	403

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2275 Railway traffic controllers and marine traffic regulators										
Job Openings	13	14	13	16	15	15	15	15	16	16
Job Seekers	18	18	18	19	19	19	19	19	19	20
Cumulative Imbalance	-5	-9	-14	-17	-21	-25	-29	-33	-36	-40
2281 Computer network technicians										
Job Openings	327	309	315	355	349	347	349	349	358	366
Job Seekers	425	428	438	449	456	459	459	460	465	469
Cumulative Imbalance	-98	-217	-340	-434	-541	-653	-763	-874	-981	-1,084
2282 User support technicians										
Job Openings	317	271	272	354	331	316	311	299	306	313
Job Seekers	200	205	217	233	248	249	240	237	240	245
Cumulative Imbalance	117	183	238	359	442	509	580	642	708	776
2283 Information systems testing technicians										
Job Openings	26	25	25	28	28	28	28	28	29	29
Job Seekers	42	42	43	43	44	44	44	44	45	45
Cumulative Imbalance	-16	-33	-51	-66	-82	-98	-114	-130	-146	-162
3011 Nursing co-ordinators and supervisors										
Job Openings	129	128	158	204	205	195	197	189	194	192
Job Seekers	85	86	90	96	101	102	99	98	99	101
Cumulative Imbalance	44	86	154	262	366	459	557	648	743	834
3012 Registered nurses and registered psychiatric nurses										
Job Openings	2,438	2,427	2,833	3,464	3,483	3,354	3,392	3,301	3,378	3,362
Job Seekers	2,657	2,682	2,755	2,843	2,917	2,938	2,914	2,912	2,945	2,984
Cumulative Imbalance	-219	-474	-396	225	791	1,207	1,685	2,074	2,507	2,885
3111 Specialist physicians										
Job Openings	356	354	410	497	497	477	479	463	470	464
Job Seekers	390	393	403	414	424	427	423	423	427	432
Cumulative Imbalance	-34	-73	-66	17	90	140	196	236	279	311
3112 General practitioners and family physicians										
Job Openings	434	434	498	598	600	579	584	568	579	575
Job Seekers	545	548	560	574	586	590	587	587	593	599
Cumulative Imbalance	-111	-225	-287	-263	-249	-260	-263	-282	-296	-320
3113 Dentists										
Job Openings	172	171	200	245	246	237	239	232	237	235
Job Seekers	191	192	197	203	208	210	208	207	209	212
Cumulative Imbalance	-19	-40	-37	5	43	70	101	126	154	177
3114 Veterinarians										
Job Openings	116	87	90	107	99	101	98	92	93	95
Job Seekers	95	96	99	104	108	108	106	105	107	108
Cumulative Imbalance	21	12	3	6	-3	-10	-18	-31	-45	-58

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
3121 Optometrists										
Job Openings	43	43	51	64	64	60	61	58	59	59
Job Seekers	53	53	55	56	58	58	58	58	58	59
Cumulative Imbalance	-10	-20	-24	-16	-10	-8	-5	-5	-4	-4
3122 Chiropractors										
Job Openings	69	68	81	99	99	96	97	94	96	96
Job Seekers	78	79	81	83	85	86	85	85	86	87
Cumulative Imbalance	-9	-20	-20	-4	10	20	32	41	51	60
3124 Allied primary health practitioners										
Job Openings	41	40	48	59	59	57	58	56	58	58
Job Seekers	49	50	51	53	54	54	54	54	54	55
Cumulative Imbalance	-8	-18	-21	-15	-10	-7	-3	-1	3	6
3125 Other professional occupations in health diagnosing and treating										
Job Openings	14	14	15	18	18	17	18	17	18	18
Job Seekers	26	26	26	27	27	27	27	27	28	28
Cumulative Imbalance	-12	-24	-35	-44	-53	-63	-72	-82	-92	-102
3131 Pharmacists										
Job Openings	241	254	241	329	330	314	315	300	308	307
Job Seekers	384	387	396	408	417	420	416	416	420	425
Cumulative Imbalance	-143	-276	-431	-510	-597	-703	-804	-920	-1,032	-1,150
3132 Dietitians and nutritionists										
Job Openings	81	79	90	110	109	105	106	103	105	104
Job Seekers	109	109	112	115	117	118	117	117	119	120
Cumulative Imbalance	-28	-58	-80	-85	-93	-106	-117	-131	-145	-161
3141 Audiologists and speech-language pathologists										
Job Openings	79	82	95	120	121	115	116	111	114	113
Job Seekers	111	112	115	119	121	122	121	121	122	124
Cumulative Imbalance	-32	-62	-82	-81	-81	-88	-93	-103	-111	-122
3142 Physiotherapists										
Job Openings	172	171	201	248	249	239	242	235	241	239
Job Seekers	215	216	222	228	234	235	233	233	235	238
Cumulative Imbalance	-43	-88	-109	-89	-74	-70	-61	-59	-53	-52
3143 Occupational therapists										
Job Openings	120	120	142	178	178	170	172	166	170	169
Job Seekers	161	162	166	171	175	176	175	174	176	178
Cumulative Imbalance	-41	-83	-107	-100	-97	-103	-106	-114	-120	-129
3144 Other professional occupations in therapy and assessment										
Job Openings	84	83	97	120	120	115	116	112	115	115
Job Seekers	122	123	125	128	131	132	131	131	133	135
Cumulative Imbalance	-38	-78	-106	-114	-125	-142	-157	-176	-194	-214

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
3211 Medical laboratory technologists										
Job Openings	157	156	183	225	227	219	222	217	223	223
Job Seekers	165	167	171	177	182	183	182	182	184	186
Cumulative Imbalance	-8	-19	-7	41	86	122	162	197	236	273
3212 Medical laboratory technicians and pathologists' assistants										
Job Openings	305	299	368	477	477	452	456	437	448	443
Job Seekers	213	216	227	240	253	255	248	245	249	254
Cumulative Imbalance	92	175	316	553	777	974	1,182	1,374	1,573	1,762
3213 Animal health technologists and veterinary technicians										
Job Openings	136	102	107	129	117	119	116	108	109	111
Job Seekers	122	124	129	134	140	141	138	138	139	142
Cumulative Imbalance	14	-8	-30	-35	-58	-80	-102	-132	-162	-193
3214 Respiratory therapists, clinical perfusionists and cardiopulmonary technologists										
Job Openings	155	152	190	251	251	236	238	228	234	231
Job Seekers	106	108	114	122	129	130	126	124	126	129
Cumulative Imbalance	49	93	169	298	420	526	638	742	850	952
3215 Medical radiation technologists										
Job Openings	128	128	146	173	174	170	172	169	174	174
Job Seekers	168	169	173	177	180	182	182	182	184	186
Cumulative Imbalance	-40	-81	-108	-112	-118	-130	-140	-153	-163	-175
3216 Medical sonographers										
Job Openings	44	44	49	56	57	56	57	56	58	58
Job Seekers	65	66	67	68	69	69	70	70	71	72
Cumulative Imbalance	-21	-43	-61	-73	-85	-98	-111	-125	-138	-152
3217 Cardiology technologists and electrophysiological diagnostic technologists, n.e.c.										
Job Openings	12	12	13	15	15	15	16	16	16	16
Job Seekers	16	17	17	17	17	18	18	18	18	18
Cumulative Imbalance	-4	-9	-13	-15	-17	-20	-22	-24	-26	-28
3219 Other medical technologists and technicians (except dental health)										
Job Openings	209	218	214	290	290	276	278	266	272	272
Job Seekers	263	266	275	286	294	296	293	293	296	300
Cumulative Imbalance	-54	-102	-163	-159	-163	-183	-198	-225	-249	-277
3221 Denturists										
Job Openings	18	18	20	25	25	24	24	23	24	23
Job Seekers	20	20	20	21	22	22	22	22	22	22
Cumulative Imbalance	-2	-4	-4	0	3	5	7	8	10	11
3222 Dental hygienists and dental therapists										
Job Openings	176	174	207	260	260	250	253	245	251	250
Job Seekers	190	192	198	205	211	213	211	210	213	216
Cumulative Imbalance	-14	-32	-23	32	81	118	160	195	233	267

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
3231 Opticians										
Job Openings	69	72	71	88	89	87	88	85	87	88
Job Seekers	81	81	84	86	88	89	88	88	89	90
Cumulative Imbalance	-12	-21	-34	-32	-31	-33	-33	-36	-38	-40
3232 Practitioners of natural healing										
Job Openings	61	60	66	75	75	74	75	74	75	75
Job Seekers	72	72	74	76	77	77	77	78	79	79
Cumulative Imbalance	-11	-23	-31	-32	-34	-37	-39	-43	-47	-51
3233 Licensed practical nurses										
Job Openings	664	654	795	1,013	1,014	963	972	934	957	947
Job Seekers	515	524	546	574	600	605	593	589	597	608
Cumulative Imbalance	149	279	528	967	1,381	1,739	2,118	2,463	2,823	3,162
3234 Paramedical occupations										
Job Openings	289	279	335	431	432	407	410	393	403	400
Job Seekers	255	259	270	283	295	298	292	290	294	299
Cumulative Imbalance	34	54	119	267	404	513	631	734	843	944
3236 Massage therapists										
Job Openings	358	341	405	507	504	484	488	470	482	479
Job Seekers	324	328	340	355	368	371	365	363	368	374
Cumulative Imbalance	34	47	112	264	400	513	636	743	857	962
3237 Other technical occupations in therapy and assessment										
Job Openings	104	104	124	160	160	151	152	146	149	147
Job Seekers	90	91	95	99	104	104	103	102	103	105
Cumulative Imbalance	14	27	56	117	173	220	269	313	359	401
3411 Dental assistants										
Job Openings	311	309	369	463	465	446	452	438	450	449
Job Seekers	335	339	350	363	374	377	373	372	376	381
Cumulative Imbalance	-24	-54	-35	65	156	225	304	370	444	512
3413 Nurse aides, orderlies and patient service associates										
Job Openings	2,019	1,987	2,380	2,994	3,001	2,870	2,900	2,800	2,869	2,848
Job Seekers	1,532	1,557	1,623	1,704	1,776	1,789	1,754	1,740	1,762	1,790
Cumulative Imbalance	487	917	1,674	2,964	4,189	5,270	6,416	7,476	8,583	9,641
3414 Other assisting occupations in support of health services										
Job Openings	331	330	377	465	467	449	454	441	451	449
Job Seekers	319	323	334	347	357	359	356	355	359	363
Cumulative Imbalance	12	19	62	180	290	380	478	564	656	742
4011 University professors and lecturers										
Job Openings	372	420	442	533	538	516	510	483	483	471
Job Seekers	533	536	547	561	571	575	573	575	582	589
Cumulative Imbalance	-161	-277	-382	-410	-443	-502	-565	-657	-756	-874

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
4012 Post-secondary teaching and research assistants										
Job Openings	318	399	430	605	602	547	529	469	465	436
Job Seekers	600	606	625	649	669	673	665	664	673	683
Cumulative Imbalance	-282	-489	-684	-728	-795	-921	-1,057	-1,252	-1,460	-1,707
4021 College and other vocational instructors										
Job Openings	508	564	595	772	765	721	713	671	678	664
Job Seekers	527	534	555	579	600	604	594	591	598	606
Cumulative Imbalance	-19	11	51	244	409	526	645	725	805	863
4031 Secondary school teachers										
Job Openings	698	824	876	1,127	1,134	1,067	1,049	974	975	941
Job Seekers	950	961	992	1,028	1,055	1,062	1,053	1,051	1,062	1,075
Cumulative Imbalance	-252	-389	-505	-406	-327	-322	-326	-403	-490	-624
4032 Elementary school and kindergarten teachers										
Job Openings	1,405	1,720	1,847	2,486	2,497	2,321	2,272	2,077	2,079	1,993
Job Seekers	1,922	1,951	2,025	2,112	2,183	2,198	2,167	2,156	2,180	2,207
Cumulative Imbalance	-517	-748	-926	-552	-238	-115	-10	-89	-190	-404
4033 Educational counsellors										
Job Openings	120	138	148	192	192	181	179	167	168	163
Job Seekers	154	156	161	167	172	173	171	171	173	175
Cumulative Imbalance	-34	-52	-65	-40	-20	-12	-4	-8	-13	-25
4111 Judges										
Job Openings	30	26	24	30	31	28	27	25	24	23
Job Seekers	17	17	18	19	20	20	19	19	19	19
Cumulative Imbalance	13	22	28	39	50	58	66	72	77	81
4112 Lawyers and Quebec notaries										
Job Openings	747	608	621	710	671	673	661	637	643	651
Job Seekers	658	665	686	710	728	731	721	717	722	728
Cumulative Imbalance	89	32	-33	-33	-90	-148	-208	-288	-367	-444
4151 Psychologists										
Job Openings	198	199	227	272	273	263	264	254	258	254
Job Seekers	229	231	237	244	249	251	249	249	251	254
Cumulative Imbalance	-31	-63	-73	-45	-21	-9	6	11	18	18
4152 Social workers										
Job Openings	455	442	493	605	611	586	590	570	583	581
Job Seekers	486	490	505	522	536	539	534	533	539	546
Cumulative Imbalance	-31	-79	-91	-8	67	114	170	207	251	286
4153 Family, marriage and other related counsellors										
Job Openings	290	281	335	427	427	406	407	390	398	393
Job Seekers	243	247	256	268	280	281	275	273	276	280
Cumulative Imbalance	47	81	160	319	466	591	723	840	962	1,075

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
4154 Professional occupations in religion										
Job Openings	360	297	309	346	327	333	329	316	318	321
Job Seekers	286	289	298	308	316	318	315	314	318	321
Cumulative Imbalance	74	82	93	131	142	157	171	173	173	173
4155 Probation and parole officers and related occupations										
Job Openings	29	27	26	30	31	30	30	29	30	30
Job Seekers	51	51	52	53	54	54	54	54	55	55
Cumulative Imbalance	-22	-46	-72	-95	-118	-142	-166	-191	-216	-241
4156 Employment counsellors										
Job Openings	123	108	113	143	141	136	135	128	130	130
Job Seekers	100	102	106	111	116	116	114	113	114	116
Cumulative Imbalance	23	29	36	68	93	113	134	149	165	179
4161 Natural and applied science policy researchers, consultants and program officers										
Job Openings	271	224	222	270	257	245	243	241	248	255
Job Seekers	274	277	286	296	303	305	302	301	304	307
Cumulative Imbalance	-3	-56	-120	-146	-192	-252	-311	-371	-427	-479
4162 Economists and economic policy researchers and analysts										
Job Openings	104	97	89	118	112	102	102	101	104	107
Job Seekers	120	122	126	131	135	135	133	133	134	136
Cumulative Imbalance	-16	-41	-78	-91	-114	-147	-178	-210	-240	-269
4163 Business development officers and marketing researchers and consultants										
Job Openings	366	352	355	394	386	382	382	383	390	400
Job Seekers	478	482	493	507	516	519	517	518	523	528
Cumulative Imbalance	-112	-242	-380	-493	-623	-760	-895	-1,030	-1,163	-1,291
4164 Social policy researchers, consultants and program officers										
Job Openings	198	173	172	215	214	205	203	194	198	200
Job Seekers	210	212	219	228	235	236	233	232	234	237
Cumulative Imbalance	-12	-51	-98	-111	-132	-163	-193	-231	-267	-304
4165 Health policy researchers, consultants and program officers										
Job Openings	221	212	234	288	288	278	280	271	277	277
Job Seekers	258	261	268	276	283	285	283	282	285	289
Cumulative Imbalance	-37	-86	-120	-108	-103	-110	-113	-124	-132	-144
4166 Education policy researchers, consultants and program officers										
Job Openings	158	172	183	239	240	225	221	204	205	199
Job Seekers	192	194	201	210	217	218	214	213	216	218
Cumulative Imbalance	-34	-56	-74	-45	-22	-15	-8	-17	-28	-47
4167 Recreation, sports and fitness policy researchers, consultants and program officers										
Job Openings	104	82	84	112	108	103	101	94	96	96
Job Seekers	84	85	89	94	99	99	97	96	97	99
Cumulative Imbalance	20	17	12	30	39	43	47	45	44	41

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
4168 Program officers unique to government										
Job Openings	56	56	56	59	60	60	60	60	60	61
Job Seekers	92	92	93	94	95	95	96	97	98	99
Cumulative Imbalance	-36	-72	-109	-144	-179	-214	-250	-287	-325	-363
4169 Other professional occupations in social science, n.e.c.										
Job Openings	24	24	24	25	25	25	25	26	26	26
Job Seekers	43	43	44	44	44	45	45	45	46	46
Cumulative Imbalance	-19	-38	-58	-77	-96	-116	-136	-155	-175	-195
4211 Paralegal and related occupations										
Job Openings	212	168	172	203	191	193	190	183	186	190
Job Seekers	149	151	158	165	172	173	170	169	171	173
Cumulative Imbalance	63	80	94	132	151	171	191	205	220	237
4212 Social and community service workers										
Job Openings	1,042	1,008	1,129	1,359	1,360	1,317	1,326	1,287	1,314	1,311
Job Seekers	1,038	1,050	1,083	1,120	1,149	1,158	1,149	1,147	1,159	1,174
Cumulative Imbalance	4	-38	8	247	458	617	794	934	1,089	1,226
4214 Early childhood educators and assistants										
Job Openings	1,009	1,003	1,196	1,525	1,526	1,450	1,459	1,398	1,430	1,413
Job Seekers	788	802	838	882	920	927	909	901	913	927
Cumulative Imbalance	221	422	780	1,423	2,029	2,552	3,102	3,599	4,116	4,602
4215 Instructors of persons with disabilities										
Job Openings	30	31	32	36	36	36	37	37	37	38
Job Seekers	46	46	47	48	48	49	49	49	50	50
Cumulative Imbalance	-16	-31	-46	-58	-70	-83	-95	-107	-120	-132
4216 Other instructors										
Job Openings	164	175	181	215	214	206	203	193	192	188
Job Seekers	193	195	200	206	210	211	211	211	213	215
Cumulative Imbalance	-29	-49	-68	-59	-55	-60	-68	-86	-107	-134
4217 Other religious occupations										
Job Openings	44	42	43	45	45	45	45	44	44	44
Job Seekers	50	51	52	52	53	53	54	54	54	55
Cumulative Imbalance	-6	-15	-24	-31	-39	-47	-56	-66	-76	-87
4311 Police officers (except commissioned)										
Job Openings	455	392	347	453	478	443	440	418	432	434
Job Seekers	568	575	593	614	629	633	628	627	633	640
Cumulative Imbalance	-113	-296	-542	-703	-854	-1,044	-1,232	-1,441	-1,642	-1,848
4312 Firefighters										
Job Openings	221	193	175	223	232	214	213	207	214	219
Job Seekers	278	282	291	301	309	311	308	307	310	314
Cumulative Imbalance	-57	-146	-262	-340	-417	-514	-609	-709	-805	-900

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
4313 Non-commissioned ranks of the Canadian Forces										
Job Openings	160	160	161	164	167	168	170	172	174	176
Job Seekers	297	299	304	309	309	312	315	317	319	320
Cumulative Imbalance	-137	-276	-419	-564	-706	-850	-995	-1,140	-1,285	-1,429
4411 Home child care providers										
Job Openings	725	696	743	823	818	814	819	808	819	822
Job Seekers	908	916	937	958	970	978	981	985	993	1,001
Cumulative Imbalance	-183	-403	-597	-732	-884	-1,048	-1,210	-1,387	-1,561	-1,740
4412 Home support workers, housekeepers and related occupations										
Job Openings	565	548	597	684	680	670	673	659	669	670
Job Seekers	501	508	523	541	553	557	554	554	559	565
Cumulative Imbalance	64	104	178	321	448	561	680	785	895	1,000
4413 Elementary and secondary school teacher assistants										
Job Openings	806	934	991	1,241	1,256	1,199	1,190	1,127	1,136	1,112
Job Seekers	990	1,005	1,038	1,076	1,104	1,113	1,105	1,104	1,114	1,127
Cumulative Imbalance	-184	-255	-302	-137	15	101	186	209	231	216
4421 Sheriffs and bailiffs										
Job Openings	30	26	25	30	30	29	29	27	28	28
Job Seekers	32	32	33	34	35	35	35	35	35	36
Cumulative Imbalance	-2	-8	-16	-20	-25	-31	-37	-45	-52	-60
4422 Correctional service officers										
Job Openings	155	130	114	152	160	147	145	136	140	141
Job Seekers	163	165	171	179	184	185	183	182	184	187
Cumulative Imbalance	-8	-43	-100	-127	-151	-189	-227	-273	-317	-363
4423 By-law enforcement and other regulatory officers, n.e.c.										
Job Openings	48	44	42	49	49	47	47	46	47	47
Job Seekers	47	47	49	50	51	52	52	52	52	53
Cumulative Imbalance	1	-2	-9	-10	-12	-17	-22	-28	-33	-39
5111 Librarians										
Job Openings	116	82	87	104	94	97	95	89	91	93
Job Seekers	62	63	66	71	75	75	73	72	73	74
Cumulative Imbalance	54	73	94	127	146	168	190	207	225	244
5112 Conservators and curators										
Job Openings	14	11	12	14	13	13	13	12	12	12
Job Seekers	12	12	12	13	13	13	13	13	13	14
Cumulative Imbalance	2	1	1	2	2	2	2	1	0	-2
5113 Archivists										
Job Openings	8	6	6	7	7	7	7	7	7	7
Job Seekers	7	8	8	8	8	8	8	8	8	8
Cumulative Imbalance	1	-1	-3	-4	-5	-6	-7	-8	-9	-10

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
5121 Authors and writers										
Job Openings	164	135	139	159	150	151	149	143	144	145
Job Seekers	136	138	142	147	152	153	151	150	152	154
Cumulative Imbalance	28	25	22	34	32	30	28	21	13	4
5122 Editors										
Job Openings	51	49	50	53	53	53	53	52	53	53
Job Seekers	70	70	71	72	73	73	74	74	75	76
Cumulative Imbalance	-19	-40	-61	-80	-100	-120	-141	-163	-185	-208
5123 Journalists										
Job Openings	36	33	34	36	36	37	37	36	37	37
Job Seekers	52	53	53	54	55	55	55	56	56	57
Cumulative Imbalance	-16	-36	-55	-73	-92	-110	-128	-148	-167	-187
5125 Translators, terminologists and interpreters										
Job Openings	85	62	66	85	78	77	74	68	69	69
Job Seekers	37	39	42	45	49	49	47	46	47	48
Cumulative Imbalance	48	71	95	135	164	192	219	241	263	284
5131 Producers, directors, choreographers and related occupations										
Job Openings	131	99	104	123	113	115	112	105	106	107
Job Seekers	86	88	92	97	101	102	99	98	100	101
Cumulative Imbalance	45	56	68	94	106	119	132	139	145	151
5132 Conductors, composers and arrangers										
Job Openings	11	11	11	11	11	11	11	10	10	10
Job Seekers	14	14	14	15	15	15	15	15	15	15
Cumulative Imbalance	-3	-6	-9	-13	-17	-21	-25	-30	-35	-40
5133 Musicians and singers										
Job Openings	197	202	210	247	244	236	232	219	219	214
Job Seekers	217	219	225	232	237	238	237	237	240	242
Cumulative Imbalance	-20	-37	-52	-37	-30	-32	-37	-55	-76	-104
5134 Dancers										
Job Openings	32	33	33	36	36	36	36	35	35	35
Job Seekers	69	70	71	72	72	73	73	74	74	75
Cumulative Imbalance	-37	-74	-112	-148	-184	-221	-258	-297	-336	-376
5135 Actors and comedians										
Job Openings	58	42	45	58	52	52	50	45	45	45
Job Seekers	28	29	31	34	36	36	35	34	35	35
Cumulative Imbalance	30	43	57	81	97	113	128	139	149	159
5136 Painters, sculptors and other visual artists										
Job Openings	139	124	131	136	133	135	132	126	125	124
Job Seekers	110	111	115	120	123	124	122	122	123	125
Cumulative Imbalance	29	42	58	74	84	95	105	109	111	110

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
5211 Library and public archive technicians										
Job Openings	63	66	68	72	74	76	77	79	81	82
Job Seekers	78	79	80	81	81	82	83	83	84	85
Cumulative Imbalance	-15	-28	-40	-49	-56	-62	-68	-72	-75	-78
5212 Technical occupations related to museums and art galleries										
Job Openings	75	54	54	69	64	63	61	55	56	56
Job Seekers	39	40	43	46	49	49	47	47	47	48
Cumulative Imbalance	36	50	61	84	99	113	127	135	144	152
5221 Photographers										
Job Openings	164	122	127	149	136	139	135	127	128	129
Job Seekers	118	119	125	131	136	137	134	133	135	137
Cumulative Imbalance	46	49	51	69	69	71	72	66	59	51
5222 Film and video camera operators										
Job Openings	18	16	16	17	17	17	17	17	17	17
Job Seekers	20	20	21	21	21	22	22	22	22	22
Cumulative Imbalance	-2	-6	-11	-15	-19	-24	-29	-34	-39	-44
5223 Graphic arts technicians										
Job Openings	14	13	14	15	14	14	14	14	14	14
Job Seekers	18	18	19	19	19	20	20	20	20	20
Cumulative Imbalance	-4	-9	-14	-18	-23	-29	-35	-41	-47	-53
5224 Broadcast technicians										
Job Openings	11	10	10	11	10	11	11	11	11	11
Job Seekers	12	12	12	13	13	13	13	13	13	13
Cumulative Imbalance	-1	-3	-5	-7	-10	-12	-14	-16	-18	-20
5225 Audio and video recording technicians										
Job Openings	32	30	31	33	32	33	33	33	34	34
Job Seekers	41	42	43	43	44	44	44	45	45	45
Cumulative Imbalance	-9	-21	-33	-43	-55	-66	-77	-89	-100	-111
5226 Other technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts										
Job Openings	65	53	55	68	64	64	63	60	61	62
Job Seekers	46	46	49	52	54	55	53	53	53	54
Cumulative Imbalance	19	26	32	48	58	67	77	84	92	100
5227 Support occupations in motion pictures, broadcasting, photography and the performing arts										
Job Openings	23	22	22	24	24	24	25	25	25	26
Job Seekers	28	28	29	29	30	30	30	30	30	31
Cumulative Imbalance	-5	-11	-18	-23	-29	-35	-40	-45	-50	-55
5231 Announcers and other broadcasters										
Job Openings	42	31	33	39	36	37	36	35	35	36
Job Seekers	27	27	29	30	32	32	31	31	31	32
Cumulative Imbalance	15	19	23	32	36	41	46	50	54	58

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
5232 Other performers, n.e.c.										
Job Openings	40	30	32	38	35	36	35	33	34	35
Job Seekers	29	30	31	33	34	34	34	33	34	34
Cumulative Imbalance	11	11	12	17	18	20	21	21	21	22
5241 Graphic designers and illustrators										
Job Openings	301	245	248	297	276	275	272	257	259	262
Job Seekers	242	246	256	268	278	280	275	273	277	281
Cumulative Imbalance	59	58	50	79	77	72	69	53	35	16
5242 Interior designers and interior decorators										
Job Openings	131	123	132	129	131	137	137	136	137	140
Job Seekers	148	149	153	157	160	161	161	161	163	165
Cumulative Imbalance	-17	-43	-64	-92	-121	-145	-169	-194	-220	-245
5243 Theatre, fashion, exhibit and other creative designers										
Job Openings	38	38	38	41	41	41	41	41	42	42
Job Seekers	60	60	61	62	62	63	63	64	64	65
Cumulative Imbalance	-22	-44	-67	-88	-109	-131	-153	-176	-198	-221
5244 Artisans and craftspersons										
Job Openings	71	71	71	73	73	72	72	71	71	70
Job Seekers	74	75	76	77	78	78	79	79	80	81
Cumulative Imbalance	-3	-7	-12	-16	-21	-27	-34	-42	-51	-62
5245 Patternmakers - textile, leather and fur products										
Job Openings	1	1	1	1	1	1	1	1	1	1
Job Seekers	1	1	1	1	1	1	1	1	1	1
Cumulative Imbalance	0	0	0	0	0	0	0	0	0	0
5251 Athletes										
Job Openings	14	12	12	13	12	12	12	12	12	12
Job Seekers	20	20	21	21	22	22	22	22	22	22
Cumulative Imbalance	-6	-14	-23	-31	-41	-51	-61	-71	-81	-91
5252 Coaches										
Job Openings	90	82	88	115	110	106	103	94	94	93
Job Seekers	77	78	82	87	91	91	89	88	90	91
Cumulative Imbalance	13	17	23	51	70	85	99	105	109	111
5253 Sports officials and referees										
Job Openings	25	22	22	24	23	23	22	22	22	22
Job Seekers	27	27	28	29	29	30	30	30	30	30
Cumulative Imbalance	-2	-7	-13	-18	-24	-31	-39	-47	-55	-63
5254 Program leaders and instructors in recreation, sport and fitness										
Job Openings	696	583	600	733	699	684	669	624	630	628
Job Seekers	664	674	700	731	755	760	751	748	756	766
Cumulative Imbalance	32	-59	-159	-157	-213	-289	-371	-495	-621	-759

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6211 Retail sales supervisors										
Job Openings	640	708	543	953	936	861	850	766	789	786
Job Seekers	631	650	694	746	795	798	768	753	763	776
Cumulative Imbalance	9	67	-84	123	264	327	409	422	448	458
6221 Technical sales specialists - wholesale trade										
Job Openings	739	709	683	838	812	769	765	757	773	797
Job Seekers	814	829	863	903	937	942	926	920	929	941
Cumulative Imbalance	-75	-195	-375	-440	-565	-738	-899	-1,062	-1,218	-1,362
6222 Retail and wholesale buyers										
Job Openings	176	182	175	203	203	199	201	198	201	204
Job Seekers	267	270	277	284	288	290	291	291	294	296
Cumulative Imbalance	-91	-179	-281	-362	-447	-538	-628	-721	-814	-906
6231 Insurance agents and brokers										
Job Openings	278	426	386	493	484	467	468	455	467	470
Job Seekers	534	542	558	575	588	593	589	589	595	601
Cumulative Imbalance	-256	-372	-544	-626	-730	-856	-977	-1,111	-1,239	-1,370
6232 Real estate agents and salespersons										
Job Openings	401	669	595	782	763	727	722	691	704	702
Job Seekers	701	712	736	764	786	791	783	780	788	797
Cumulative Imbalance	-300	-343	-484	-466	-489	-553	-614	-703	-787	-882
6235 Financial sales representatives										
Job Openings	238	346	318	404	398	386	389	381	393	398
Job Seekers	532	538	552	567	577	581	580	581	586	591
Cumulative Imbalance	-294	-486	-720	-883	-1,062	-1,257	-1,448	-1,648	-1,841	-2,034
6311 Food service supervisors										
Job Openings	533	390	408	488	443	452	442	415	421	428
Job Seekers	423	433	453	476	495	498	490	486	492	498
Cumulative Imbalance	110	67	22	34	-18	-64	-112	-183	-254	-324
6312 Executive housekeepers										
Job Openings	40	35	37	41	40	41	41	41	42	42
Job Seekers	37	38	39	40	41	41	41	41	42	42
Cumulative Imbalance	3	0	-2	-1	-2	-2	-2	-2	-2	-2
6313 Accommodation, travel, tourism and related services supervisors										
Job Openings	93	66	67	90	76	77	75	69	70	71
Job Seekers	37	39	42	47	51	51	48	47	48	49
Cumulative Imbalance	56	83	108	151	176	202	229	251	273	295
6314 Customer and information services supervisors										
Job Openings	36	38	36	44	43	42	43	42	43	44
Job Seekers	52	52	54	56	57	57	57	57	58	58
Cumulative Imbalance	-16	-30	-48	-60	-74	-89	-103	-118	-133	-147

Alberta Occupational Outlook: 2019 - 2028

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6315 Cleaning supervisors										
Job Openings	202	167	181	223	210	207	202	190	192	194
Job Seekers	91	94	102	113	122	123	117	114	116	118
Cumulative Imbalance	111	184	263	373	461	545	630	706	782	858
6316 Other services supervisors										
Job Openings	171	134	137	166	152	153	150	142	145	147
Job Seekers	119	122	128	135	142	143	140	138	140	142
Cumulative Imbalance	52	64	73	104	114	124	134	138	143	148
6321 Chefs										
Job Openings	432	355	369	420	398	406	403	391	397	404
Job Seekers	431	438	452	468	480	483	480	479	483	488
Cumulative Imbalance	1	-82	-165	-213	-295	-372	-449	-537	-623	-707
6322 Cooks										
Job Openings	1,518	1,255	1,312	1,492	1,417	1,440	1,428	1,381	1,402	1,422
Job Seekers	1,441	1,467	1,518	1,575	1,617	1,629	1,617	1,614	1,628	1,644
Cumulative Imbalance	77	-135	-341	-424	-624	-813	-1,002	-1,235	-1,461	-1,683
6331 Butchers, meat cutters and fishmongers - retail and wholesale										
Job Openings	110	121	103	150	150	142	142	134	137	138
Job Seekers	113	116	122	128	133	134	131	130	132	133
Cumulative Imbalance	-3	2	-17	5	22	30	41	45	50	55
6332 Bakers										
Job Openings	223	218	209	252	245	239	242	236	240	242
Job Seekers	294	299	308	317	323	325	324	325	327	330
Cumulative Imbalance	-71	-152	-251	-316	-394	-480	-562	-651	-738	-826
6341 Hairstylists and barbers										
Job Openings	701	570	592	663	625	640	633	610	617	625
Job Seekers	800	811	833	858	876	881	876	875	881	889
Cumulative Imbalance	-99	-340	-581	-776	-1,027	-1,268	-1,511	-1,776	-2,040	-2,304
6342 Tailors, dressmakers, furriers and milliners										
Job Openings	99	94	94	103	101	101	101	99	99	100
Job Seekers	89	90	93	96	97	98	98	98	99	100
Cumulative Imbalance	10	14	15	22	26	29	32	33	33	33
6343 Shoe repairers and shoemakers										
Job Openings	7	6	6	7	7	7	7	7	7	7
Job Seekers	6	7	7	7	7	7	7	7	7	7
Cumulative Imbalance	1	0	-1	-1	-1	-1	-1	-1	-1	-1
6344 Jewellers, jewellery and watch repairers and related occupations										
Job Openings	19	19	18	20	20	19	19	18	18	18
Job Seekers	20	20	20	21	21	22	22	22	22	22
Cumulative Imbalance	-1	-2	-4	-5	-6	-9	-12	-16	-20	-24

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6345 Upholsters										
Job Openings	28	26	26	28	27	27	27	26	26	26
Job Seekers	20	20	21	22	22	22	22	22	22	22
Cumulative Imbalance	8	14	19	25	30	35	40	44	48	52
6346 Funeral directors and embalmers										
Job Openings	70	48	50	60	54	55	53	49	49	50
Job Seekers	31	32	34	37	40	40	38	37	38	39
Cumulative Imbalance	39	55	71	94	108	123	138	150	161	172
6411 Sales and account representatives - wholesale trade (non-technical)										
Job Openings	877	878	792	1,077	1,029	977	972	917	932	938
Job Seekers	756	776	818	868	911	917	894	884	895	908
Cumulative Imbalance	121	223	197	406	524	584	662	695	732	762
6421 Retail salespersons										
Job Openings	3,738	3,934	3,625	4,496	4,483	4,341	4,324	4,149	4,192	4,181
Job Seekers	5,094	5,176	5,334	5,504	5,623	5,668	5,649	5,654	5,701	5,755
Cumulative Imbalance	-1,356	-2,598	-4,307	-5,315	-6,455	-7,782	-9,107	-10,612	-12,121	-13,695
6511 Maitres d'hôtel and hosts/hostesses										
Job Openings	332	229	240	285	253	260	251	231	233	236
Job Seekers	204	210	223	238	250	252	245	242	245	249
Cumulative Imbalance	128	147	164	211	214	222	228	217	205	192
6512 Bartenders										
Job Openings	321	243	252	291	266	272	266	252	254	258
Job Seekers	328	334	346	360	370	373	370	369	372	376
Cumulative Imbalance	-7	-98	-192	-261	-365	-466	-570	-687	-805	-923
6513 Food and beverage servers										
Job Openings	1,510	1,179	1,220	1,378	1,279	1,308	1,284	1,226	1,238	1,256
Job Seekers	1,665	1,694	1,751	1,813	1,858	1,873	1,863	1,862	1,879	1,898
Cumulative Imbalance	-155	-670	-1,201	-1,636	-2,215	-2,780	-3,359	-3,995	-4,636	-5,278
6521 Travel counsellors										
Job Openings	151	128	131	149	140	143	142	138	140	142
Job Seekers	144	146	151	156	160	161	160	160	162	163
Cumulative Imbalance	7	-11	-31	-38	-58	-76	-94	-116	-138	-159
6522 Purser and flight attendants										
Job Openings	108	138	84	214	135	115	121	109	116	114
Job Seekers	149	152	159	167	174	175	172	171	172	175
Cumulative Imbalance	-41	-55	-130	-83	-122	-182	-233	-295	-351	-412
6523 Airline ticket and service agents										
Job Openings	104	123	91	172	124	113	117	110	115	114
Job Seekers	143	145	151	156	161	162	161	160	162	164
Cumulative Imbalance	-39	-61	-121	-105	-142	-191	-235	-285	-332	-382

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6524 Ground and water transport ticket agents, cargo service representatives and related clerks										
Job Openings	8	8	8	9	8	8	8	8	8	8
Job Seekers	11	12	12	12	12	12	12	12	12	13
Cumulative Imbalance	-3	-7	-11	-14	-18	-22	-26	-30	-34	-39
6525 Hotel front desk clerks										
Job Openings	193	150	156	178	165	170	167	160	162	165
Job Seekers	193	196	203	210	216	218	216	216	218	220
Cumulative Imbalance	0	-46	-93	-125	-176	-224	-273	-329	-385	-440
6531 Tour and travel guides										
Job Openings	8	8	8	9	9	9	9	9	10	10
Job Seekers	16	16	17	17	17	17	17	17	17	18
Cumulative Imbalance	-8	-16	-25	-33	-41	-49	-57	-65	-72	-80
6532 Outdoor sport and recreational guides										
Job Openings	15	15	15	16	16	16	16	16	16	17
Job Seekers	28	29	29	30	30	30	30	30	31	31
Cumulative Imbalance	-13	-27	-41	-55	-69	-83	-97	-111	-126	-140
6533 Casino occupations										
Job Openings	144	121	125	138	132	135	135	132	134	136
Job Seekers	143	145	149	154	157	159	158	158	159	161
Cumulative Imbalance	1	-23	-47	-63	-88	-112	-135	-161	-186	-211
6541 Security guards and related security service occupations										
Job Openings	785	676	689	777	738	743	734	708	713	717
Job Seekers	762	774	798	825	844	850	846	846	854	863
Cumulative Imbalance	23	-75	-184	-232	-338	-445	-557	-695	-836	-982
6551 Customer services representatives - financial institutions										
Job Openings	247	393	351	462	453	435	436	421	434	437
Job Seekers	468	475	492	510	524	528	524	523	528	534
Cumulative Imbalance	-221	-303	-444	-492	-563	-656	-744	-846	-940	-1,037
6552 Other customer and information services representatives										
Job Openings	907	888	855	1,023	996	977	979	953	970	980
Job Seekers	1,192	1,210	1,247	1,286	1,314	1,324	1,320	1,321	1,332	1,345
Cumulative Imbalance	-285	-607	-999	-1,262	-1,580	-1,927	-2,268	-2,636	-2,998	-3,363
6561 Image, social and other personal consultants										
Job Openings	25	21	21	25	23	23	23	22	22	22
Job Seekers	26	26	27	28	29	29	29	29	29	29
Cumulative Imbalance	-1	-6	-12	-15	-21	-27	-33	-40	-47	-54
6562 Estheticians, electrologists and related occupations										
Job Openings	386	320	325	375	355	360	356	343	348	353
Job Seekers	446	453	467	482	493	497	494	494	498	502
Cumulative Imbalance	-60	-193	-335	-442	-580	-717	-855	-1,006	-1,156	-1,305

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6563 Pet groomers and animal care workers										
Job Openings	218	172	175	209	194	196	192	182	185	187
Job Seekers	189	193	202	211	219	220	217	216	218	221
Cumulative Imbalance	29	8	-19	-21	-46	-70	-95	-129	-162	-196
6564 Other personal service occupations										
Job Openings	24	21	23	27	26	26	26	26	26	27
Job Seekers	21	22	23	23	24	24	24	24	24	24
Cumulative Imbalance	3	2	2	6	8	10	12	14	16	19
6611 Cashiers										
Job Openings	1,745	1,719	1,545	2,077	2,032	1,957	1,940	1,826	1,857	1,857
Job Seekers	2,063	2,105	2,188	2,280	2,352	2,370	2,345	2,336	2,358	2,384
Cumulative Imbalance	-318	-704	-1,347	-1,550	-1,870	-2,283	-2,688	-3,198	-3,699	-4,226
6621 Service station attendants										
Job Openings	97	102	92	119	119	114	114	110	112	112
Job Seekers	131	133	138	142	145	146	146	146	147	148
Cumulative Imbalance	-34	-65	-111	-134	-160	-192	-224	-260	-295	-331
6622 Store shelf stockers, clerks and order fillers										
Job Openings	922	995	852	1,217	1,196	1,135	1,134	1,071	1,094	1,092
Job Seekers	1,116	1,139	1,186	1,237	1,277	1,287	1,272	1,267	1,279	1,293
Cumulative Imbalance	-194	-338	-672	-692	-773	-925	-1,063	-1,259	-1,444	-1,645
6623 Other sales related occupations										
Job Openings	214	209	198	241	236	229	225	213	214	213
Job Seekers	227	231	239	248	256	258	255	255	257	260
Cumulative Imbalance	-13	-35	-76	-83	-103	-132	-162	-204	-247	-294
6711 Food counter attendants, kitchen helpers and related support occupations										
Job Openings	2,788	2,243	2,347	2,738	2,571	2,594	2,559	2,441	2,473	2,499
Job Seekers	2,599	2,650	2,752	2,866	2,953	2,976	2,946	2,936	2,963	2,995
Cumulative Imbalance	189	-218	-623	-751	-1,133	-1,515	-1,902	-2,397	-2,887	-3,383
6721 Support occupations in accommodation, travel and facilities set-up services										
Job Openings	22	20	20	23	22	22	22	22	23	23
Job Seekers	28	28	29	30	30	30	30	31	31	31
Cumulative Imbalance	-6	-14	-23	-30	-38	-46	-54	-63	-71	-79
6722 Operators and attendants in amusement, recreation and sport										
Job Openings	337	264	269	315	294	294	287	269	271	272
Job Seekers	270	276	288	302	313	316	311	309	312	316
Cumulative Imbalance	67	55	36	49	30	8	-16	-56	-97	-141
6731 Light duty cleaners										
Job Openings	1,935	1,679	1,792	2,025	1,954	1,972	1,961	1,900	1,926	1,946
Job Seekers	1,561	1,592	1,654	1,724	1,779	1,792	1,773	1,766	1,782	1,801
Cumulative Imbalance	374	461	599	900	1,075	1,255	1,443	1,577	1,721	1,866

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
6732 Specialized cleaners										
Job Openings	355	322	322	373	356	353	349	337	342	348
Job Seekers	333	340	355	372	385	388	382	380	384	388
Cumulative Imbalance	22	4	-29	-28	-57	-92	-125	-168	-210	-250
6733 Janitors, caretakers and building superintendents										
Job Openings	1,633	1,613	1,671	1,835	1,820	1,813	1,804	1,765	1,776	1,783
Job Seekers	1,625	1,652	1,704	1,759	1,798	1,812	1,804	1,803	1,817	1,833
Cumulative Imbalance	8	-31	-64	12	34	35	35	-3	-44	-94
6741 Dry cleaning, laundry and related occupations										
Job Openings	196	170	181	206	199	202	203	198	202	205
Job Seekers	152	155	161	167	172	173	172	171	173	175
Cumulative Imbalance	44	59	79	118	145	174	205	232	261	291
6742 Other service support occupations, n.e.c.										
Job Openings	228	192	188	236	219	216	211	196	197	197
Job Seekers	177	181	190	200	208	210	206	204	206	209
Cumulative Imbalance	51	62	60	96	107	113	118	110	101	89
7201 Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations										
Job Openings	175	191	218	160	174	182	178	182	176	182
Job Seekers	163	166	173	182	189	190	186	184	185	187
Cumulative Imbalance	12	37	82	60	45	37	29	27	18	13
7202 Contractors and supervisors, electrical trades and telecommunications occupations										
Job Openings	199	258	368	85	168	226	209	231	208	224
Job Seekers	164	168	177	188	197	198	192	189	191	194
Cumulative Imbalance	35	125	316	213	184	212	229	271	288	318
7203 Contractors and supervisors, pipefitting trades										
Job Openings	111	162	239	46	102	138	125	145	130	143
Job Seekers	93	96	102	109	116	116	112	110	111	113
Cumulative Imbalance	18	84	221	158	144	166	179	214	233	263
7204 Contractors and supervisors, carpentry trades										
Job Openings	165	252	366	70	159	225	209	228	203	216
Job Seekers	168	171	179	188	195	196	192	190	192	194
Cumulative Imbalance	-3	78	265	147	111	140	157	195	206	228
7205 Contractors and supervisors, other construction trades, installers, repairers and servicers										
Job Openings	389	586	857	157	368	524	483	530	471	502
Job Seekers	340	348	367	389	408	410	399	393	397	402
Cumulative Imbalance	49	287	777	545	505	619	703	840	914	1,014
7231 Machinists and machining and tooling inspectors										
Job Openings	231	212	195	269	237	204	210	206	208	212
Job Seekers	213	217	227	240	250	251	245	242	244	247
Cumulative Imbalance	18	13	-19	10	-3	-50	-85	-121	-157	-192

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7232 Tool and die makers										
Job Openings	15	15	15	17	16	15	15	16	16	16
Job Seekers	13	13	14	14	15	15	15	15	15	15
Cumulative Imbalance	2	4	5	8	9	9	9	10	11	12
7233 Sheet metal workers										
Job Openings	136	181	238	90	135	167	159	168	154	160
Job Seekers	171	173	179	186	191	192	190	189	190	191
Cumulative Imbalance	-35	-27	32	-64	-120	-145	-176	-197	-233	-264
7234 Boilermakers										
Job Openings	50	51	55	50	51	50	50	52	52	54
Job Seekers	64	65	66	68	70	70	70	69	70	70
Cumulative Imbalance	-14	-28	-39	-57	-76	-96	-116	-133	-151	-167
7235 Structural metal and platework fabricators and fitters										
Job Openings	28	28	29	30	29	28	28	28	28	29
Job Seekers	31	32	33	34	35	35	35	35	35	35
Cumulative Imbalance	-3	-7	-11	-15	-21	-28	-35	-42	-49	-55
7236 Ironworkers										
Job Openings	147	212	305	65	134	182	168	183	162	173
Job Seekers	145	148	157	167	175	176	170	168	169	172
Cumulative Imbalance	2	66	214	112	71	77	75	90	83	84
7237 Welders and related machine operators										
Job Openings	953	934	1,015	922	928	932	925	943	938	972
Job Seekers	1,130	1,143	1,179	1,220	1,250	1,256	1,242	1,236	1,244	1,255
Cumulative Imbalance	-177	-386	-550	-848	-1,170	-1,494	-1,811	-2,104	-2,410	-2,693
7241 Electricians (except industrial and power system)										
Job Openings	695	1,006	1,419	346	670	911	850	920	831	875
Job Seekers	997	1,008	1,039	1,074	1,100	1,106	1,095	1,090	1,098	1,108
Cumulative Imbalance	-302	-304	76	-652	-1,082	-1,277	-1,522	-1,692	-1,959	-2,192
7242 Industrial electricians										
Job Openings	243	267	305	233	253	260	257	277	275	290
Job Seekers	372	375	384	393	400	402	400	399	402	405
Cumulative Imbalance	-129	-237	-316	-476	-623	-765	-908	-1,030	-1,157	-1,272
7243 Power system electricians										
Job Openings	42	40	43	35	38	40	40	41	40	41
Job Seekers	64	64	65	66	67	67	67	68	68	68
Cumulative Imbalance	-22	-46	-68	-99	-128	-155	-182	-209	-237	-264
7244 Electrical power line and cable workers										
Job Openings	186	139	150	102	117	122	122	122	116	121
Job Seekers	118	120	125	130	135	136	133	132	133	134
Cumulative Imbalance	68	87	112	84	66	52	41	31	14	1

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7245 Telecommunications line and cable workers										
Job Openings	74	71	84	60	66	74	72	73	71	74
Job Seekers	57	58	61	64	66	67	66	65	66	66
Cumulative Imbalance	17	30	53	49	49	56	62	70	75	83
7246 Telecommunications installation and repair workers										
Job Openings	163	144	156	150	150	158	156	155	156	160
Job Seekers	147	149	154	159	163	164	162	162	163	165
Cumulative Imbalance	16	11	13	4	-9	-15	-21	-28	-35	-40
7247 Cable television service and maintenance technicians										
Job Openings	2	2	2	2	2	2	2	2	3	3
Job Seekers	2	2	2	2	2	2	2	2	2	2
Cumulative Imbalance	0	0	0	0	0	0	0	0	1	2
7251 Plumbers										
Job Openings	395	564	788	204	381	512	480	518	470	494
Job Seekers	575	581	598	618	631	634	629	627	631	636
Cumulative Imbalance	-180	-197	-7	-421	-671	-793	-942	-1,051	-1,212	-1,354
7252 Steamfitters, pipefitters and sprinkler system installers										
Job Openings	318	393	511	237	316	363	346	384	367	393
Job Seekers	395	400	414	430	442	444	438	435	438	442
Cumulative Imbalance	-77	-84	13	-180	-306	-387	-479	-530	-601	-650
7253 Gas fitters										
Job Openings	61	54	57	50	53	53	54	55	55	57
Job Seekers	65	66	67	69	70	70	70	70	70	71
Cumulative Imbalance	-4	-16	-26	-45	-62	-79	-95	-110	-125	-139
7271 Carpenters										
Job Openings	896	1,179	1,553	609	902	1,121	1,073	1,141	1,066	1,110
Job Seekers	1,080	1,093	1,125	1,161	1,184	1,192	1,184	1,181	1,189	1,198
Cumulative Imbalance	-184	-98	330	-222	-504	-575	-686	-726	-849	-937
7272 Cabinetmakers										
Job Openings	92	99	106	91	94	96	96	96	94	94
Job Seekers	108	109	112	116	118	119	118	118	119	119
Cumulative Imbalance	-16	-26	-32	-57	-81	-104	-126	-148	-173	-198
7281 Bricklayers										
Job Openings	76	126	193	19	71	110	101	113	99	106
Job Seekers	86	87	91	96	100	100	98	97	98	99
Cumulative Imbalance	-10	29	131	54	25	35	38	54	55	62
7282 Concrete finishers										
Job Openings	92	129	178	51	90	118	111	120	109	115
Job Seekers	100	102	106	110	113	114	113	112	113	114
Cumulative Imbalance	-8	19	91	32	9	13	11	19	15	16

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7283 Tilesetters										
Job Openings	59	83	114	34	59	77	73	78	72	76
Job Seekers	71	72	74	77	79	79	79	78	79	80
Cumulative Imbalance	-12	-1	39	-4	-24	-26	-32	-32	-39	-43
7284 Plasterers, drywall installers and finishers and lathers										
Job Openings	239	357	514	105	229	321	299	328	295	312
Job Seekers	238	243	253	266	275	276	272	270	272	275
Cumulative Imbalance	1	115	376	215	169	214	241	299	322	359
7291 Roofers and shinglers										
Job Openings	137	159	194	114	136	156	150	153	146	151
Job Seekers	132	134	140	147	152	153	150	149	150	152
Cumulative Imbalance	5	30	84	51	35	38	38	42	38	37
7292 Glaziers										
Job Openings	77	93	115	59	75	88	85	88	83	86
Job Seekers	80	81	84	88	90	91	90	89	90	91
Cumulative Imbalance	-3	9	40	11	-4	-7	-12	-13	-20	-25
7293 Insulators										
Job Openings	157	218	301	92	155	200	189	208	192	205
Job Seekers	183	186	192	200	206	207	204	203	205	207
Cumulative Imbalance	-26	6	115	7	-44	-51	-66	-61	-74	-76
7294 Painters and decorators (except interior decorators)										
Job Openings	320	448	615	189	322	420	398	428	395	414
Job Seekers	336	341	354	368	378	381	377	375	378	381
Cumulative Imbalance	-16	91	352	173	117	156	177	230	247	280
7295 Floor covering installers										
Job Openings	107	145	195	68	108	138	132	141	131	137
Job Seekers	119	121	125	130	133	133	132	132	133	134
Cumulative Imbalance	-12	12	82	20	-5	0	0	9	7	10
7301 Contractors and supervisors, mechanic trades										
Job Openings	325	356	418	290	315	336	319	332	322	343
Job Seekers	164	171	188	210	230	230	216	209	212	217
Cumulative Imbalance	161	346	576	656	741	847	950	1,073	1,183	1,309
7302 Contractors and supervisors, heavy equipment operator crews										
Job Openings	381	515	693	245	381	479	454	492	459	486
Job Seekers	332	338	354	372	387	389	381	378	381	385
Cumulative Imbalance	49	226	565	438	432	522	595	709	787	888
7303 Supervisors, printing and related occupations										
Job Openings	10	9	9	12	11	10	10	9	9	9
Job Seekers	9	9	9	10	10	10	10	10	10	10
Cumulative Imbalance	1	1	1	3	4	4	4	3	2	1

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7304 Supervisors, railway transport operations										
Job Openings	19	23	17	32	23	21	22	21	22	22
Job Seekers	17	18	19	20	21	21	20	20	20	20
Cumulative Imbalance	2	7	5	17	19	19	21	22	24	26
7305 Supervisors, motor transport and other ground transit operators										
Job Openings	127	151	103	228	156	132	134	125	132	133
Job Seekers	69	72	81	90	100	100	94	90	92	94
Cumulative Imbalance	58	137	159	297	353	385	425	460	500	539
7311 Construction millwrights and industrial mechanics										
Job Openings	496	479	493	525	511	483	485	509	519	544
Job Seekers	527	533	550	569	582	585	579	577	580	585
Cumulative Imbalance	-31	-85	-142	-186	-257	-359	-453	-521	-582	-623
7312 Heavy-duty equipment mechanics										
Job Openings	602	650	680	685	678	658	639	659	666	700
Job Seekers	569	580	609	644	674	676	658	649	655	664
Cumulative Imbalance	33	103	174	215	219	201	182	192	203	239
7313 Refrigeration and air conditioning mechanics										
Job Openings	139	185	250	87	137	174	165	176	163	171
Job Seekers	162	164	170	177	182	183	180	179	181	182
Cumulative Imbalance	-23	-2	78	-12	-57	-66	-81	-84	-102	-113
7314 Railway carmen/women										
Job Openings	13	14	13	16	15	15	15	15	16	16
Job Seekers	18	18	18	19	19	19	19	19	19	19
Cumulative Imbalance	-5	-9	-14	-17	-21	-25	-29	-33	-36	-39
7315 Aircraft mechanics and aircraft inspectors										
Job Openings	92	102	81	137	106	97	100	95	98	97
Job Seekers	108	110	113	118	121	121	120	119	120	122
Cumulative Imbalance	-16	-24	-56	-37	-52	-76	-96	-120	-142	-167
7316 Machine fitters										
Job Openings	6	6	6	6	6	6	6	6	6	6
Job Seekers	8	8	8	8	8	8	8	8	9	9
Cumulative Imbalance	-2	-4	-6	-8	-10	-12	-14	-16	-19	-22
7318 Elevator constructors and mechanics										
Job Openings	26	30	35	23	27	30	29	30	30	30
Job Seekers	46	46	47	48	48	48	48	49	49	49
Cumulative Imbalance	-20	-36	-48	-73	-94	-112	-131	-150	-169	-188
7321 Automotive service technicians, truck and bus mechanics and mechanical repairers										
Job Openings	1,066	997	975	1,151	1,102	1,094	1,091	1,063	1,081	1,096
Job Seekers	1,142	1,155	1,189	1,228	1,254	1,260	1,250	1,246	1,254	1,263
Cumulative Imbalance	-76	-234	-448	-525	-677	-843	-1,002	-1,185	-1,358	-1,525

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7322 Motor vehicle body repairers										
Job Openings	262	223	229	258	246	252	251	244	248	253
Job Seekers	224	227	234	243	248	250	247	246	248	250
Cumulative Imbalance	38	34	29	44	42	44	48	46	46	49
7331 Oil and solid fuel heating mechanics										
Job Openings	11	14	17	9	12	13	13	14	13	14
Job Seekers	13	13	13	14	14	14	14	14	14	14
Cumulative Imbalance	-2	-1	3	-2	-4	-5	-6	-6	-7	-7
7332 Appliance servicers and repairers										
Job Openings	53	52	54	50	51	52	51	50	49	50
Job Seekers	46	46	47	49	50	50	50	50	50	51
Cumulative Imbalance	7	13	20	21	22	24	25	25	24	23
7333 Electrical mechanics										
Job Openings	30	27	28	29	29	29	29	29	29	30
Job Seekers	28	29	30	31	31	31	31	31	31	31
Cumulative Imbalance	2	0	-2	-4	-6	-8	-10	-12	-14	-15
7334 Motorcycle, all-terrain vehicle and other related mechanics										
Job Openings	31	30	29	35	34	34	34	34	35	35
Job Seekers	35	36	37	38	39	39	39	38	39	39
Cumulative Imbalance	-4	-10	-18	-21	-26	-31	-36	-40	-44	-48
7335 Other small engine and small equipment repairers										
Job Openings	23	22	22	24	24	24	24	23	23	23
Job Seekers	19	19	20	20	21	21	21	21	21	21
Cumulative Imbalance	4	7	9	13	16	19	22	24	26	28
7361 Railway and yard locomotive engineers										
Job Openings	36	45	30	67	45	40	42	39	41	41
Job Seekers	31	31	33	36	37	38	37	36	36	37
Cumulative Imbalance	5	19	16	47	55	57	62	65	70	74
7362 Railway conductors and brakemen/women										
Job Openings	33	41	27	61	40	35	37	33	35	35
Job Seekers	37	37	39	41	43	43	42	42	42	43
Cumulative Imbalance	-4	0	-12	8	5	-3	-8	-17	-24	-32
7371 Crane operators										
Job Openings	127	153	184	110	131	146	141	150	145	151
Job Seekers	103	105	109	114	118	118	117	116	116	117
Cumulative Imbalance	24	72	147	143	156	184	208	242	271	305
7372 Drillers and blasters - surface mining, quarrying and construction										
Job Openings	10	11	12	10	11	11	11	12	12	12
Job Seekers	14	14	14	15	15	15	15	15	15	15
Cumulative Imbalance	-4	-7	-9	-14	-18	-22	-26	-29	-32	-35

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7373 Water well drillers										
Job Openings	9	9	10	8	9	10	10	10	10	10
Job Seekers	11	11	11	12	12	12	12	12	12	12
Cumulative Imbalance	-2	-4	-5	-9	-12	-14	-16	-18	-20	-22
7381 Printing press operators										
Job Openings	53	52	52	58	56	55	57	56	57	58
Job Seekers	49	49	50	52	52	53	53	53	53	54
Cumulative Imbalance	4	7	9	15	19	21	25	28	32	36
7384 Other trades and related occupations, n.e.c.										
Job Openings	98	102	102	118	114	112	110	106	107	108
Job Seekers	84	86	90	94	98	98	96	95	96	97
Cumulative Imbalance	14	30	42	66	82	96	110	121	132	143
7441 Residential and commercial installers and servicers										
Job Openings	336	431	562	226	329	405	386	406	378	394
Job Seekers	340	345	360	376	388	390	385	382	385	389
Cumulative Imbalance	-4	82	284	134	75	90	91	115	108	113
7442 Waterworks and gas maintenance workers										
Job Openings	106	85	84	87	86	82	83	85	86	91
Job Seekers	76	77	81	84	87	88	86	86	86	87
Cumulative Imbalance	30	38	41	44	43	37	34	33	33	37
7444 Pest controllers and fumigators										
Job Openings	21	20	21	22	22	22	22	23	23	23
Job Seekers	26	26	27	27	27	27	28	28	28	28
Cumulative Imbalance	-5	-11	-17	-22	-27	-32	-38	-43	-48	-53
7445 Other repairers and servicers										
Job Openings	158	145	141	168	162	154	152	149	151	155
Job Seekers	112	114	120	127	133	134	131	129	130	132
Cumulative Imbalance	46	77	98	139	168	188	209	229	250	273
7451 Longshore workers										
Job Openings	6	9	3	17	9	6	7	5	6	5
Job Seekers	4	5	5	6	7	7	6	6	6	6
Cumulative Imbalance	2	6	4	15	17	16	17	16	16	15
7452 Material handlers										
Job Openings	935	1,001	899	1,195	1,082	1,035	1,050	1,021	1,044	1,051
Job Seekers	1,016	1,030	1,067	1,107	1,134	1,142	1,133	1,129	1,137	1,147
Cumulative Imbalance	-81	-110	-278	-190	-242	-349	-432	-540	-633	-729
7511 Transport truck drivers										
Job Openings	2,341	2,665	2,367	3,239	2,724	2,582	2,619	2,590	2,656	2,686
Job Seekers	2,088	2,123	2,211	2,307	2,376	2,389	2,358	2,343	2,359	2,380
Cumulative Imbalance	253	795	951	1,883	2,231	2,424	2,685	2,932	3,229	3,535

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7512 Bus drivers, subway operators and other transit operators										
Job Openings	746	821	694	1,062	883	821	830	788	804	791
Job Seekers	646	656	682	710	732	736	726	722	728	735
Cumulative Imbalance	100	265	277	629	780	865	969	1,035	1,111	1,167
7513 Taxi and limousine drivers and chauffeurs										
Job Openings	431	489	403	635	507	472	480	455	466	459
Job Seekers	377	383	398	414	426	429	423	421	425	429
Cumulative Imbalance	54	160	165	386	467	510	567	601	642	672
7514 Delivery and courier service drivers										
Job Openings	491	519	465	632	556	533	535	512	520	518
Job Seekers	450	458	476	496	511	514	508	505	509	514
Cumulative Imbalance	41	102	91	227	272	291	318	325	336	340
7521 Heavy equipment operators (except crane)										
Job Openings	882	995	1,173	818	932	980	960	1,047	1,038	1,099
Job Seekers	856	868	899	932	953	959	952	949	955	962
Cumulative Imbalance	26	153	427	313	292	313	321	419	502	639
7522 Public works maintenance equipment operators and related workers										
Job Openings	203	181	186	194	194	196	194	191	192	196
Job Seekers	142	145	151	159	164	165	162	161	162	164
Cumulative Imbalance	61	97	132	167	197	228	260	290	320	352
7531 Railway yard and track maintenance workers										
Job Openings	33	37	32	46	38	37	38	37	39	39
Job Seekers	42	42	44	45	45	46	46	46	46	46
Cumulative Imbalance	-9	-14	-26	-25	-32	-41	-49	-58	-65	-72
7532 Water transport deck and engine room crew										
Job Openings	1	1	1	2	2	2	2	2	2	2
Job Seekers	1	1	1	1	1	1	1	1	1	1
Cumulative Imbalance	0	0	0	1	2	3	4	5	6	7
7533 Boat and cable ferry operators and related occupations										
Job Openings	1	1	1	1	1	1	1	1	1	1
Job Seekers	1	1	1	1	1	1	1	1	1	1
Cumulative Imbalance	0	0	0	0	0	0	0	0	0	0
7534 Air transport ramp attendants										
Job Openings	68	81	57	116	81	71	74	68	72	70
Job Seekers	88	90	93	97	100	101	99	99	100	101
Cumulative Imbalance	-20	-29	-65	-46	-65	-95	-120	-151	-179	-210
7535 Other automotive mechanical installers and servicers										
Job Openings	180	170	161	200	193	186	184	180	183	187
Job Seekers	175	178	185	193	199	200	198	196	198	200
Cumulative Imbalance	5	-3	-27	-20	-26	-40	-54	-70	-85	-98

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7611 Construction trades helpers and labourers										
Job Openings	1,132	1,481	1,950	755	1,121	1,394	1,333	1,424	1,333	1,396
Job Seekers	1,243	1,261	1,308	1,358	1,390	1,401	1,393	1,390	1,400	1,413
Cumulative Imbalance	-111	109	751	148	-121	-128	-188	-154	-221	-238
7612 Other trades helpers and labourers										
Job Openings	84	87	104	67	76	84	80	81	78	81
Job Seekers	35	36	40	44	47	47	45	44	45	46
Cumulative Imbalance	49	100	164	187	216	253	288	325	358	393
7621 Public works and maintenance labourers										
Job Openings	209	193	195	198	208	208	205	201	202	205
Job Seekers	166	169	176	184	189	191	189	188	190	192
Cumulative Imbalance	43	67	86	100	119	136	152	165	177	190
7622 Railway and motor transport labourers										
Job Openings	36	47	32	67	44	38	38	34	35	35
Job Seekers	10	11	14	17	20	20	18	17	18	19
Cumulative Imbalance	26	62	80	130	154	172	192	209	226	242
8211 Supervisors, logging and forestry										
Job Openings	4	19	18	22	21	19	19	18	18	19
Job Seekers	16	16	17	19	20	20	19	19	19	19
Cumulative Imbalance	-12	-9	-8	-5	-4	-5	-5	-6	-7	-7
8221 Supervisors, mining and quarrying										
Job Openings	38	35	37	45	43	36	36	45	48	54
Job Seekers	44	45	46	48	49	49	49	48	49	49
Cumulative Imbalance	-6	-16	-25	-28	-34	-47	-60	-63	-64	-59
8222 Contractors and supervisors, oil and gas drilling and services										
Job Openings	547	485	521	630	590	479	473	603	654	744
Job Seekers	506	515	538	565	587	590	577	572	577	584
Cumulative Imbalance	41	11	-6	59	62	-49	-153	-122	-45	115
8231 Underground production and development miners										
Job Openings	60	44	50	77	65	31	28	60	71	92
Job Seekers	30	32	36	41	46	46	43	41	41	43
Cumulative Imbalance	30	42	56	92	111	96	81	100	130	179
8232 Oil and gas well drillers, servicers, testers and related workers										
Job Openings	497	372	420	615	522	270	240	494	579	745
Job Seekers	303	317	351	393	435	434	404	389	396	406
Cumulative Imbalance	194	249	318	540	627	463	299	404	587	926
8241 Logging machinery operators										
Job Openings	0	28	24	37	33	28	28	28	30	31
Job Seekers	23	23	25	27	29	29	28	27	28	28
Cumulative Imbalance	-23	-18	-19	-9	-5	-6	-6	-5	-3	0

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
8252 Agricultural service contractors, farm supervisors and specialized livestock workers										
Job Openings	31	84	77	98	93	87	84	80	82	81
Job Seekers	90	91	95	99	102	103	101	101	102	103
Cumulative Imbalance	-59	-66	-84	-85	-94	-110	-127	-148	-168	-190
8255 Contractors and supervisors, landscaping, grounds maintenance and horticulture services										
Job Openings	204	163	172	193	182	188	184	175	177	181
Job Seekers	146	149	156	164	170	171	168	166	168	170
Cumulative Imbalance	58	72	88	117	129	146	162	171	180	191
8261 Fishing masters and officers										
Job Openings	-1	0	0	0	0	0	0	0	0	0
Job Seekers	0	0	0	0	0	0	0	0	0	0
Cumulative Imbalance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
8262 Fishermen/women										
Job Openings	-3	2	1	3	2	2	2	2	2	2
Job Seekers	3	3	4	4	4	4	4	4	4	4
Cumulative Imbalance	-6	-7	-10	-11	-13	-15	-17	-19	-21	-23
8411 Underground mine service and support workers										
Job Openings	10	9	13	12	11	6	5	12	13	17
Job Seekers	-4	-3	-2	-1	0	0	-1	-2	-1	-1
Cumulative Imbalance	14	26	41	54	65	71	77	91	105	123
8412 Oil and gas well drilling and related workers and services operators										
Job Openings	189	184	209	202	202	172	167	214	227	258
Job Seekers	191	194	203	213	221	222	219	217	220	223
Cumulative Imbalance	-2	-12	-6	-17	-36	-86	-138	-141	-134	-99
8421 Chain saw and skidder operators										
Job Openings	10	12	13	13	14	14	14	14	14	14
Job Seekers	11	11	11	11	11	11	12	12	12	12
Cumulative Imbalance	-1	0	2	4	7	10	12	14	16	18
8422 Silviculture and forestry workers										
Job Openings	18	22	22	23	24	23	23	23	24	24
Job Seekers	27	27	28	29	29	29	29	30	30	30
Cumulative Imbalance	-9	-14	-20	-26	-31	-37	-43	-50	-56	-62
8431 General farm workers										
Job Openings	93	660	590	732	693	619	583	551	554	536
Job Seekers	554	565	591	620	641	645	637	634	640	647
Cumulative Imbalance	-461	-366	-367	-255	-203	-229	-283	-366	-452	-563
8432 Nursery and greenhouse workers										
Job Openings	-15	59	51	75	72	64	62	59	62	62
Job Seekers	50	51	55	58	62	62	60	60	60	61
Cumulative Imbalance	-65	-57	-61	-44	-34	-32	-30	-31	-29	-28

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
8441 Fishing vessel deckhands										
Job Openings	0	0	0	0	0	0	0	0	0	0
Job Seekers	0	0	0	0	0	0	0	0	0	0
Cumulative Imbalance	0	0	0	0	0	0	0	0	0	0
8442 Trappers and hunters										
Job Openings	0	1	1	1	1	1	1	1	1	1
Job Seekers	1	1	1	1	1	1	1	1	1	1
Cumulative Imbalance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
8611 Harvesting labourers										
Job Openings	-4	8	7	10	9	8	8	8	9	9
Job Seekers	9	9	10	10	11	11	10	10	10	11
Cumulative Imbalance	-13	-14	-17	-17	-19	-22	-24	-26	-27	-29
8612 Landscaping and grounds maintenance labourers										
Job Openings	770	643	658	741	705	709	695	662	665	670
Job Seekers	590	600	626	654	676	681	673	670	677	686
Cumulative Imbalance	180	223	255	342	371	399	421	413	401	385
8613 Aquaculture and marine harvest labourers										
Job Openings	1	1	1	1	1	1	1	1	1	1
Job Seekers	1	1	1	1	1	1	1	1	1	1
Cumulative Imbalance	0	0	0	0	0	0	0	0	0	0
8614 Mine labourers										
Job Openings	10	9	10	12	11	9	9	12	13	15
Job Seekers	11	11	11	12	12	12	12	12	12	13
Cumulative Imbalance	-1	-3	-4	-4	-5	-8	-11	-11	-10	-8
8615 Oil and gas drilling, servicing and related labourers										
Job Openings	195	183	199	222	212	173	169	218	235	268
Job Seekers	171	175	184	195	203	204	200	199	201	204
Cumulative Imbalance	24	32	47	74	83	52	21	40	74	138
8616 Logging and forestry labourers										
Job Openings	2	10	9	11	11	10	10	10	10	10
Job Seekers	12	12	13	13	14	14	14	14	14	14
Cumulative Imbalance	-10	-12	-16	-18	-21	-25	-29	-33	-37	-41
9211 Supervisors, mineral and metal processing										
Job Openings	32	32	33	33	33	32	32	33	33	34
Job Seekers	42	42	44	45	46	46	46	46	46	47
Cumulative Imbalance	-10	-20	-31	-43	-56	-70	-84	-97	-110	-123
9212 Supervisors, petroleum, gas and chemical processing and utilities										
Job Openings	273	218	211	274	249	205	206	236	249	275
Job Seekers	200	205	216	229	241	242	235	232	235	238
Cumulative Imbalance	73	86	81	126	134	97	68	72	86	123

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9213 Supervisors, food, beverage and associated products processing										
Job Openings	66	58	41	85	65	48	52	42	41	38
Job Seekers	50	52	57	63	68	68	65	63	64	65
Cumulative Imbalance	16	22	6	28	25	5	-8	-29	-52	-79
9214 Supervisors, plastic and rubber products manufacturing										
Job Openings	14	13	13	16	15	14	14	14	14	14
Job Seekers	18	19	19	20	20	20	20	20	20	20
Cumulative Imbalance	-4	-10	-16	-20	-25	-31	-37	-43	-49	-55
9215 Supervisors, forest products processing										
Job Openings	35	36	31	47	40	34	36	33	33	32
Job Seekers	32	33	36	38	41	41	40	39	39	40
Cumulative Imbalance	3	6	1	10	9	2	-2	-8	-14	-22
9217 Supervisors, textile, fabric, fur and leather products processing and manufacturing										
Job Openings	5	5	5	6	6	5	5	5	5	5
Job Seekers	6	6	6	6	6	6	6	6	6	7
Cumulative Imbalance	-1	-2	-3	-3	-3	-4	-5	-6	-7	-9
9221 Supervisors, motor vehicle assembling										
Job Openings	5	5	4	7	5	4	4	4	4	4
Job Seekers	4	4	4	5	5	5	5	5	5	5
Cumulative Imbalance	1	2	2	4	4	3	2	1	0	-1
9222 Supervisors, electronics manufacturing										
Job Openings	6	6	5	8	7	6	6	6	5	5
Job Seekers	5	5	5	6	6	6	6	6	6	6
Cumulative Imbalance	1	2	2	4	5	5	5	5	4	3
9223 Supervisors, electrical products manufacturing										
Job Openings	10	9	9	12	10	9	9	8	8	8
Job Seekers	7	7	7	8	8	8	8	8	8	8
Cumulative Imbalance	3	5	7	11	13	14	15	15	15	15
9224 Supervisors, furniture and fixtures manufacturing										
Job Openings	12	11	10	13	11	9	9	8	7	7
Job Seekers	9	9	10	11	12	12	11	11	11	11
Cumulative Imbalance	3	5	5	7	6	3	1	-2	-6	-10
9226 Supervisors, other mechanical and metal products manufacturing										
Job Openings	54	42	31	65	45	26	29	21	19	17
Job Seekers	12	14	19	26	32	32	27	24	25	26
Cumulative Imbalance	42	70	82	121	134	128	130	127	121	112
9227 Supervisors, other products manufacturing and assembly										
Job Openings	29	28	28	31	27	24	24	22	21	21
Job Seekers	17	18	20	22	25	25	23	22	23	23
Cumulative Imbalance	12	22	30	39	41	40	41	41	39	37

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9231 Central control and process operators, mineral and metal processing										
Job Openings	15	15	14	19	16	13	13	13	14	14
Job Seekers	13	14	15	16	16	16	16	16	16	16
Cumulative Imbalance	2	3	2	5	5	2	-1	-4	-6	-8
9232 Petroleum, gas and chemical process operators										
Job Openings	411	388	393	466	444	395	399	453	479	518
Job Seekers	590	597	612	628	640	644	643	644	649	655
Cumulative Imbalance	-179	-388	-607	-769	-965	-1,214	-1,458	-1,649	-1,819	-1,956
9235 Pulping, papermaking and coating control operators										
Job Openings	7	6	5	9	7	5	6	5	4	4
Job Seekers	8	8	8	9	10	10	9	9	9	9
Cumulative Imbalance	-1	-3	-6	-6	-9	-14	-17	-21	-26	-31
9241 Power engineers and power systems operators										
Job Openings	393	337	329	408	383	336	341	369	384	410
Job Seekers	467	473	487	503	516	519	514	513	518	524
Cumulative Imbalance	-74	-210	-368	-463	-596	-779	-952	-1,096	-1,230	-1,344
9243 Water and waste treatment plant operators										
Job Openings	98	85	84	90	91	89	90	90	91	92
Job Seekers	116	117	119	122	124	125	125	125	126	127
Cumulative Imbalance	-18	-50	-85	-117	-150	-186	-221	-256	-291	-326
9411 Machine operators, mineral and metal processing										
Job Openings	27	27	28	29	29	29	29	30	31	32
Job Seekers	31	32	32	33	34	34	34	34	34	35
Cumulative Imbalance	-4	-9	-13	-17	-22	-27	-32	-36	-39	-42
9412 Foundry workers										
Job Openings	4	4	4	4	4	4	4	4	4	4
Job Seekers	3	3	4	4	4	4	4	4	4	4
Cumulative Imbalance	1	2	2	2	2	2	2	2	2	2
9413 Glass forming and finishing machine operators and glass cutters										
Job Openings	7	7	7	7	7	7	7	8	8	8
Job Seekers	8	9	9	9	9	9	9	9	9	9
Cumulative Imbalance	-1	-3	-5	-7	-9	-11	-13	-14	-15	-16
9414 Concrete, clay and stone forming operators										
Job Openings	24	25	27	24	25	26	27	27	27	28
Job Seekers	34	35	35	36	37	37	37	37	38	38
Cumulative Imbalance	-10	-20	-28	-40	-52	-63	-73	-83	-94	-104
9415 Inspectors and testers, mineral and metal processing										
Job Openings	9	9	9	9	9	9	10	10	10	11
Job Seekers	11	11	11	12	12	12	12	12	12	12
Cumulative Imbalance	-2	-4	-6	-9	-12	-15	-17	-19	-21	-22

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9416 Metalworking and forging machine operators										
Job Openings	64	65	62	72	68	62	64	61	60	60
Job Seekers	51	52	56	59	62	63	61	60	61	62
Cumulative Imbalance	13	26	32	45	51	50	53	54	53	51
9417 Machining tool operators										
Job Openings	39	35	32	46	39	33	34	33	34	35
Job Seekers	26	27	29	32	34	34	33	32	32	33
Cumulative Imbalance	13	21	24	38	43	42	43	44	46	48
9418 Other metal products machine operators										
Job Openings	35	36	36	37	36	32	33	32	30	31
Job Seekers	23	24	26	29	31	31	30	29	30	31
Cumulative Imbalance	12	24	34	42	47	48	51	54	54	54
9421 Chemical plant machine operators										
Job Openings	35	35	33	41	37	33	34	34	34	35
Job Seekers	32	33	35	37	39	39	38	38	38	39
Cumulative Imbalance	3	5	3	7	5	-1	-5	-9	-13	-17
9422 Plastics processing machine operators										
Job Openings	44	42	36	53	44	37	38	35	34	33
Job Seekers	37	38	41	44	46	47	45	44	45	46
Cumulative Imbalance	7	11	6	15	13	3	-4	-13	-24	-37
9423 Rubber processing machine operators and related workers										
Job Openings	13	14	13	15	15	15	15	15	16	16
Job Seekers	18	19	19	19	20	20	20	20	20	20
Cumulative Imbalance	-5	-10	-16	-20	-25	-30	-35	-40	-44	-48
9431 Sawmill machine operators										
Job Openings	29	29	26	35	31	27	28	26	25	25
Job Seekers	28	29	30	32	34	34	33	33	33	34
Cumulative Imbalance	1	1	-3	0	-3	-10	-15	-22	-30	-39
9432 Pulp mill machine operators										
Job Openings	12	11	10	14	12	11	11	11	11	11
Job Seekers	11	11	12	12	13	13	13	13	13	13
Cumulative Imbalance	1	1	-1	1	0	-2	-4	-6	-8	-10
9433 Papermaking and finishing machine operators										
Job Openings	5	4	4	5	5	4	5	4	5	5
Job Seekers	4	4	4	4	4	4	4	4	4	4
Cumulative Imbalance	1	1	1	2	3	3	4	4	5	6
9434 Other wood processing machine operators										
Job Openings	22	22	20	26	23	21	22	20	20	20
Job Seekers	19	20	21	22	23	23	23	23	23	23
Cumulative Imbalance	3	5	4	8	8	6	5	2	-1	-4

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9465 Testers and graders, food, beverage and associated products processing										
Job Openings	18	25	18	36	29	23	24	21	21	20
Job Seekers	17	17	19	22	24	24	22	22	22	23
Cumulative Imbalance	1	9	8	22	27	26	28	27	26	23
9471 Plateless printing equipment operators										
Job Openings	36	31	25	44	36	30	31	26	26	25
Job Seekers	19	20	22	24	27	27	25	24	25	25
Cumulative Imbalance	17	28	31	51	60	63	69	71	72	72
9472 Camera, platemaking and other prepress occupations										
Job Openings	9	9	9	10	10	10	10	10	11	11
Job Seekers	10	10	10	11	11	11	11	11	11	11
Cumulative Imbalance	-1	-2	-3	-4	-5	-6	-7	-8	-8	-8
9473 Binding and finishing machine operators										
Job Openings	23	23	23	25	24	23	24	23	23	23
Job Seekers	18	19	19	20	20	21	21	21	21	21
Cumulative Imbalance	5	9	13	18	22	24	27	29	31	33
9474 Photographic and film processors										
Job Openings	14	14	14	16	16	16	16	16	16	16
Job Seekers	13	13	14	14	14	15	15	15	15	15
Cumulative Imbalance	1	2	2	4	6	7	8	9	10	11
9521 Aircraft assemblers and aircraft assembly inspectors										
Job Openings	3	3	3	3	3	3	3	3	3	3
Job Seekers	3	3	3	4	4	4	4	4	4	4
Cumulative Imbalance	0	0	0	-1	-2	-3	-4	-5	-6	-7
9522 Motor vehicle assemblers, inspectors and testers										
Job Openings	23	23	22	26	25	25	25	25	25	26
Job Seekers	27	28	29	30	31	31	31	31	31	31
Cumulative Imbalance	-4	-9	-16	-20	-26	-32	-38	-44	-50	-55
9523 Electronics assemblers, fabricators, inspectors and testers										
Job Openings	35	35	34	39	38	36	38	38	38	39
Job Seekers	41	41	43	44	45	46	45	45	46	46
Cumulative Imbalance	-6	-12	-21	-26	-33	-43	-50	-57	-65	-72
9524 Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing										
Job Openings	31	32	32	33	32	32	32	31	31	31
Job Seekers	33	34	35	36	37	37	37	37	37	38
Cumulative Imbalance	-2	-4	-7	-10	-15	-20	-25	-31	-37	-44
9525 Assemblers, fabricators and inspectors, industrial electrical motors and transformers										
Job Openings	8	8	8	8	8	8	8	8	9	9
Job Seekers	9	9	9	9	10	10	10	10	10	10
Cumulative Imbalance	-1	-2	-3	-4	-6	-8	-10	-12	-13	-14

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9526 Mechanical assemblers and inspectors										
Job Openings	33	33	31	38	35	32	33	32	32	32
Job Seekers	39	40	41	43	44	44	44	44	44	45
Cumulative Imbalance	-6	-13	-23	-28	-37	-49	-60	-72	-84	-97
9527 Machine operators and inspectors, electrical apparatus manufacturing										
Job Openings	5	5	5	6	5	5	5	5	5	6
Job Seekers	6	6	6	6	6	6	6	6	6	6
Cumulative Imbalance	-1	-2	-3	-3	-4	-5	-6	-7	-8	-8
9532 Furniture and fixture assemblers and inspectors										
Job Openings	30	31	31	34	34	33	34	34	34	35
Job Seekers	31	32	33	34	35	35	35	35	35	35
Cumulative Imbalance	-1	-2	-4	-4	-5	-7	-8	-9	-10	-10
9533 Other wood products assemblers and inspectors										
Job Openings	37	38	38	39	38	37	38	37	37	37
Job Seekers	41	42	43	45	46	46	46	46	46	47
Cumulative Imbalance	-4	-8	-13	-19	-27	-36	-44	-53	-62	-72
9534 Furniture finishers and refinishers										
Job Openings	31	31	32	31	32	32	32	32	32	32
Job Seekers	26	26	27	28	29	29	29	29	29	29
Cumulative Imbalance	5	10	15	18	21	24	27	30	33	36
9535 Plastic products assemblers, finishers and inspectors										
Job Openings	25	26	25	30	28	27	28	28	28	28
Job Seekers	30	31	32	33	33	34	33	33	34	34
Cumulative Imbalance	-5	-10	-17	-20	-25	-32	-37	-42	-48	-54
9536 Industrial painters, coaters and metal finishing process operators										
Job Openings	70	77	84	71	73	73	73	74	72	74
Job Seekers	77	78	82	86	89	90	88	88	89	90
Cumulative Imbalance	-7	-8	-6	-21	-37	-54	-69	-83	-100	-116
9537 Other products assemblers, finishers and inspectors										
Job Openings	105	101	98	118	110	101	103	99	98	99
Job Seekers	94	97	102	108	113	114	111	110	111	113
Cumulative Imbalance	11	15	11	21	18	5	-3	-14	-27	-41
9611 Labourers in mineral and metal processing										
Job Openings	26	26	26	27	27	26	27	27	27	28
Job Seekers	33	33	34	35	35	36	36	36	36	36
Cumulative Imbalance	-7	-14	-22	-30	-38	-48	-57	-66	-75	-83
9612 Labourers in metal fabrication										
Job Openings	65	64	65	68	65	62	63	61	60	60
Job Seekers	75	77	80	84	87	87	86	85	86	87
Cumulative Imbalance	-10	-23	-38	-54	-76	-101	-124	-148	-174	-201

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	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
9613 Labourers in chemical products processing and utilities										
Job Openings	33	32	32	34	34	34	34	35	36	37
Job Seekers	48	48	49	50	51	51	51	52	52	52
Cumulative Imbalance	-15	-31	-48	-64	-81	-98	-115	-132	-148	-163
9614 Labourers in wood, pulp and paper processing										
Job Openings	34	34	33	37	36	36	37	37	37	38
Job Seekers	51	52	53	54	55	55	55	56	56	56
Cumulative Imbalance	-17	-35	-55	-72	-91	-110	-128	-147	-166	-184
9615 Labourers in rubber and plastic products manufacturing										
Job Openings	13	14	14	15	15	15	16	16	16	17
Job Seekers	16	16	16	17	17	17	17	17	17	17
Cumulative Imbalance	-3	-5	-7	-9	-11	-13	-14	-15	-16	-16
9617 Labourers in food, beverage and associated products processing										
Job Openings	240	241	225	281	264	249	257	249	253	253
Job Seekers	302	307	316	327	334	336	335	335	337	340
Cumulative Imbalance	-62	-128	-219	-265	-335	-422	-500	-586	-670	-757
9619 Other labourers in processing, manufacturing and utilities										
Job Openings	196	197	199	209	209	210	213	214	217	220
Job Seekers	264	268	274	280	283	285	286	288	290	292
Cumulative Imbalance	-68	-139	-214	-285	-359	-434	-507	-581	-654	-726