

INFORMATION, CULTURE & RECREATION

SECTOR SPOTLIGHT REPORT FOR YORK REGION



This sector comprises establishments primarily engaged in producing and distributing (except by wholesale and retail methods) information and cultural products. Establishments providing the means to transmit or distribute these products or providing access to equipment and expertise for processing data are also included. The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish this sector from the goods-producing and services-producing sectors. Meanwhile, the recreation sector comprises establishments primarily engaged in operating facilities or providing services to meet the cultural, entertainment and recreational interests of their patrons.

ESTIMATES OF INFORMATION, CULTURE & RECREATION SECTOR BUSINESSES OPENINGS AND CLOSURES, TORONTO CMA

Business dynamics measure	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021
Opening businesses	177	171	173	161	157	155	154	141	170	138
Continuing businesses	2.6K	2,678	2,748	2,753	2,786	2,818	2,850	2,869	2,884	2,898
Closing businesses	98	136	128	136	133	129	131	147	141	146
Active businesses	2.8K	2,862	2,897	2,925	2,951	2,980	3,005	3,014	3,037	3,030

SOURCE: Statistics Canada. Table 33-10-0270-01. Experimental estimates for business openings and closures for Canada, provinces and territories, census metropolitan areas, seasonally adjusted.

Note: **Active businesses** are those businesses that reported having one or more employees in a given month. **Opening businesses** are businesses that transition from having no employees in the previous month to having at least one employee in the current month. These instances occur when a new, small firm begins, when a large firm opens a new establishment or when a seasonal firm re-opens. **Continuing businesses** are businesses that have at least one employee in the previous month and at least one employee in the current month. **Closing businesses** are businesses that transition from having at least one employee in the previous month to having no employees in the current month. These instances occur when a small firm goes out of business, when a large firm closes an establishment temporarily or permanently, and when a seasonal firm ceases business activity for the year.

YORK REGION INFORMATION, CULTURE & RECREATION SECTOR BUSINESS COUNTS BY # OF EMPLOYEES

Industry	1-4	5-9	10-19	20-49	50-99	100-199	200-499	500 +	Total, with employees	Without employees
511 - Publishing industries	117	33	26	15	6	4	5	0	206	274
512 - Motion picture and sound recording industries	84	11	4	3	8	1	0	0	111	462
515 - Broadcasting (except Internet)	10	3	0	0	1	2	0	0	16	26
517 - Telecommunications	102	60	22	13	9	0	1	1	208	130
518 - Data processing, hosting, and related services	39	14	5	5	2	3	1	0	69	139
519 - Other information services	31	3	2	5	3	1	1	0	46	254
711 - Performing arts, spectator sports and related industries	87	12	5	2	0	0	0	0	876	106
712 - Heritage institutions	5	1	2	0	1	1	0	0	12	10
713 - Amusement, gambling and recreation industries	126	71	60	64	22	14	1	1	484	359

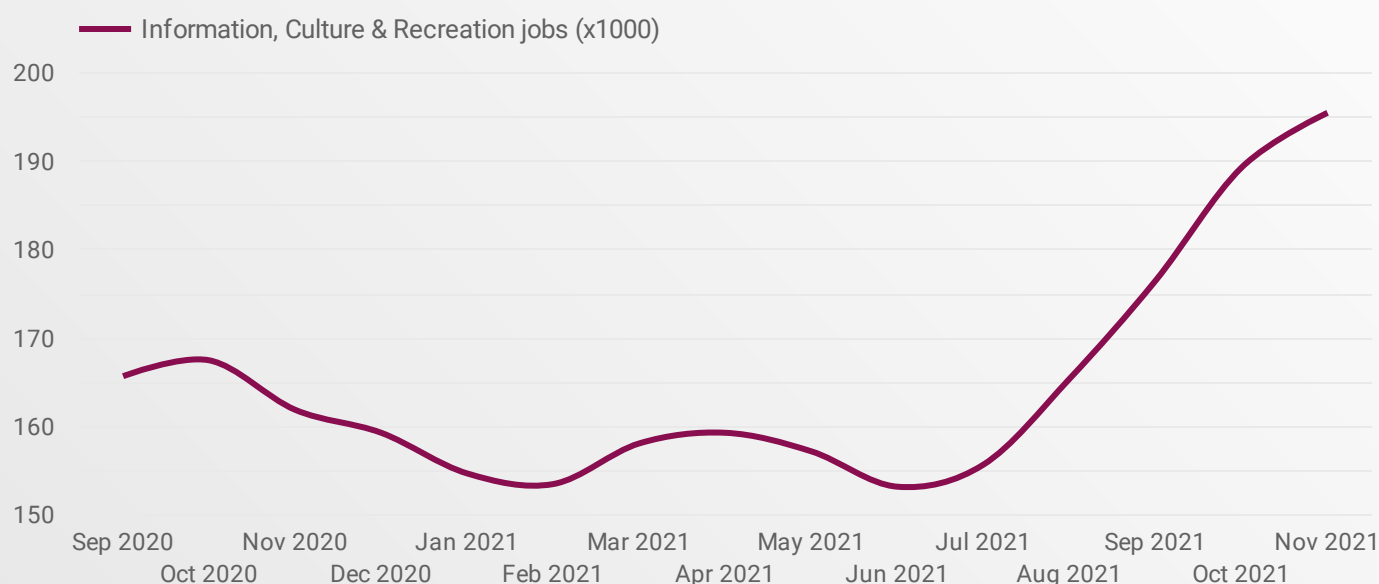
SOURCE: Statistics Canada. Canadian Business Counts, June 2021

Note: Business size ranges are estimated by Statistics Canada based on Canada Revenue Agency form (PD7) filed by the employer where the number of employees over the last pay period (full time or not) is reported. This variable is updated on a monthly basis.

INFORMATION, CULTURE AND RECREATION

EMPLOYMENT AND HIRING DEMAND

INFORMATION, CULTURE AND RECREATION EMPLOYMENT, TORONTO CMA*

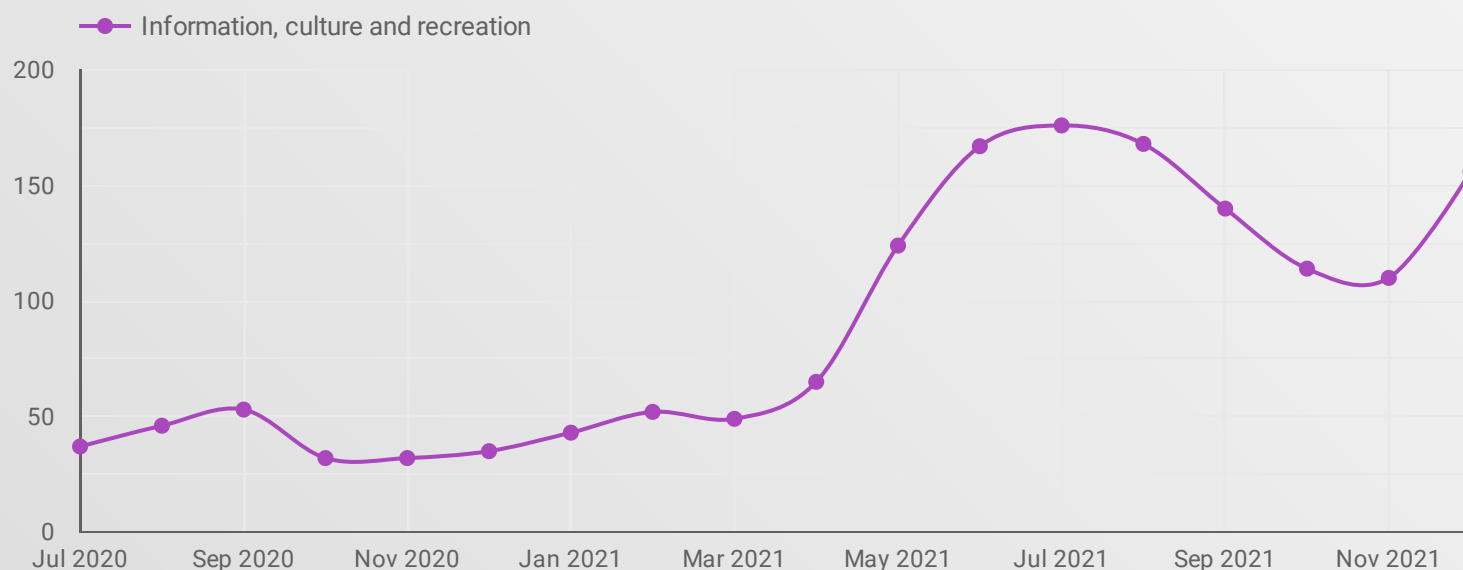


SOURCE: Statistics Canada. Table 14-10-0379-01 Employment by industry, three-month moving average, unadjusted for seasonality (x 1,000)

*Toronto CMA includes the City of Toronto, regional municipalities of Peel, York, Halton (excluding Burlington) and parts of Durham (Ajax, Pickering, Uxbridge)

INFORMATION, CULTURE AND RECREATION HIRING DEMAND BY MONTH, YORK REGION

How many new job postings were advertised each month?



SOURCE: Workforce Planning Board of York Region, Work in York. Job Board

HIRING DEMAND Information, culture and recreation

JOB POSTINGS BY THE NUMBERS DECEMBER 2021

Where are job opportunities being offered?

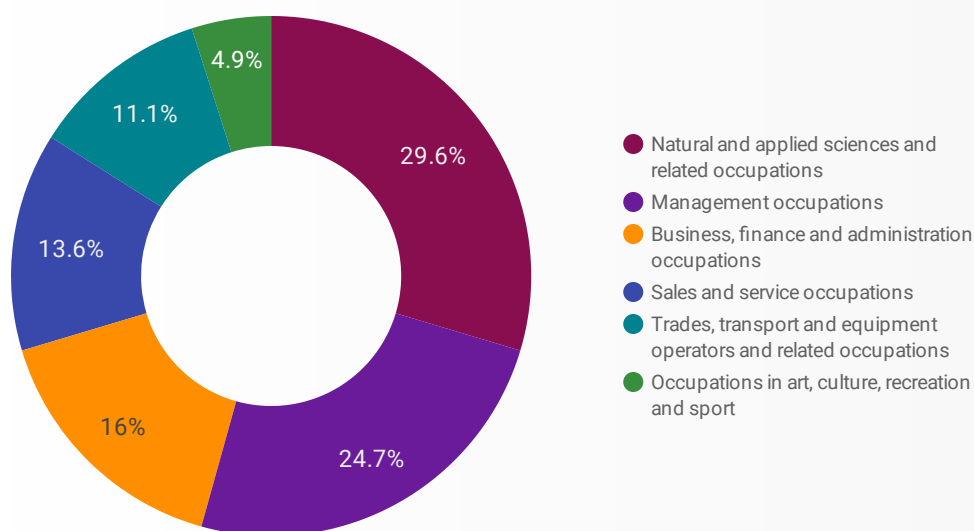
JOB POSTINGS BY MUNICIPALITY

MUNICIPALITY	POSTING COUNT	AVG POSTING LENGTH IN DAYS	MEDIAN POSTING LENGTH IN DAYS
City of Markham	127	18	18
City of Vaughan	108	19	18
Town of Richmond Hill	32	18	18
Town of Aurora	15	18	18
Town of Newmarket	10	16	15.5
Township of King	7	17	18
Town of Georgina	1	18	18

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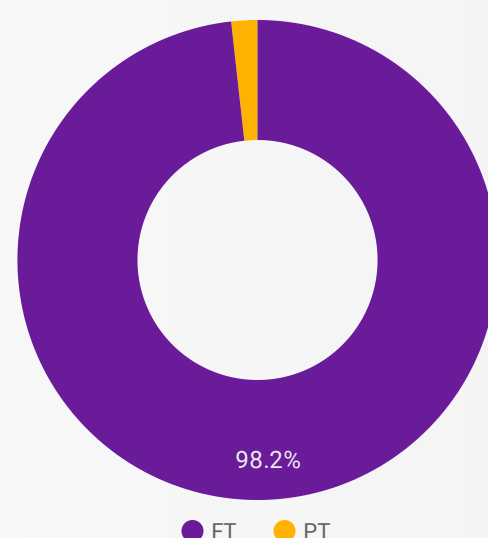
What skill type is being recruited?

JOB POSTINGS BY SKILL TYPE



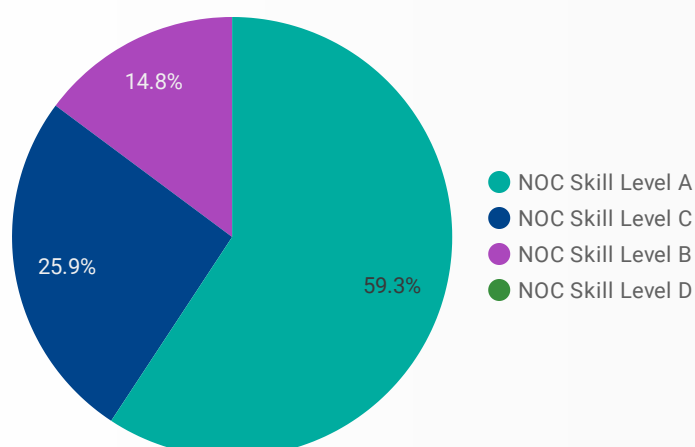
JOB TYPE

Full time vs Part - time



What education do occupations typically require?

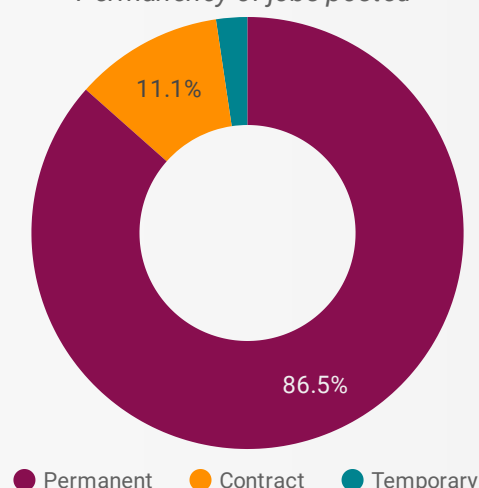
JOB POSTINGS BY SKILL LEVEL



Skill Level A = Usually University education | Skill Level B = Usually College education or Apprenticeship training | Skill Level C = Usually Secondary education or occupation-specific training | Skill Level D = Usually on-the-job training

JOB DURATION

Permanency of jobs posted



HIRING DEMAND Information, culture and recreation

JOB POSTINGS BY THE NUMBERS DECEMBER 2021

What sectors are hiring?

TOP HIRING SECTORS (6 DIGITS NAICS CODE)

NAICS CODE	6-DIGIT NAICS LABEL	MEDIAN POSTING LENGTH IN DAYS	POSTING COUNT ▾	AVG POSTING LENGTH IN DAYS
713940	Fitness and recreational sports centres	18	76	18
517919	All other telecommunications	16	54	18
511211	Software publishers (except video game publishers)	18	46	14
518210	Data processing, hosting, and related services	18	34	23
517410	Satellite telecommunications	18	20	18
713910	Golf courses and country clubs	18	19	19
713110	Amusement and theme parks	18	11	18
711217	Sports teams and clubs performing before a paying audience	17.5	10	17
713120	Amusement arcades	16.5	7	17
515120	Television broadcasting	15	6	12
713999	All other amusement and recreation industries	15	6	14
517310	Wired and wireless telecommunications carriers (except satellite)	18	5	18
712111	Non-commercial art museums and galleries	18	5	18
511110	Newspaper publishers	122	2	122
512130	Motion picture and video exhibition	No data	1	No data
511190	Other publishers	18	1	18
713991	Sports clubs, teams and leagues performing before a non-paying audience	15	1	15
713930	Marinas	18	1	18
711411	Agents and managers for artists, entertainers and other public figures	16	1	16

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SOURCE: Workforce Planning Board of York Region, Work in York. Job Board

HIRING DEMAND Information, culture and recreation

JOB POSTINGS BY THE NUMBERS DECEMBER 2021

Who is hiring and what occupations are being recruited?

What kind of jobs are in-demand?

TOP OCCUPATIONS

NAICS CODE ▾	4-DIGIT NAICS LABEL	MEDIAN POSTING LENGTH IN DAYS	POSTING COUNT
7139	Other amusement and recreation industries	18	103
7131	Amusement parks and arcades	18	18
7121	Heritage institutions	18	6
7114	Agents and managers for artists, athletes, entertainers and other public figures	16	1
7112	Spectator sports	17.5	10
5182	Data processing, hosting, and related services	18	34
5179	Other telecommunications	16	54
5174	Satellite telecommunications	18	20
5173	Wired and wireless telecommunications carriers(except satellite)	18	5
5151	Radio and television broadcasting	15	6
5121	Motion picture and video industries	15	2
5112	Software publishers	18	46
5111	Newspaper, periodical, book and directory publishers	18	4
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Who is hiring?

TOP EMPLOYERS/AGENCIES

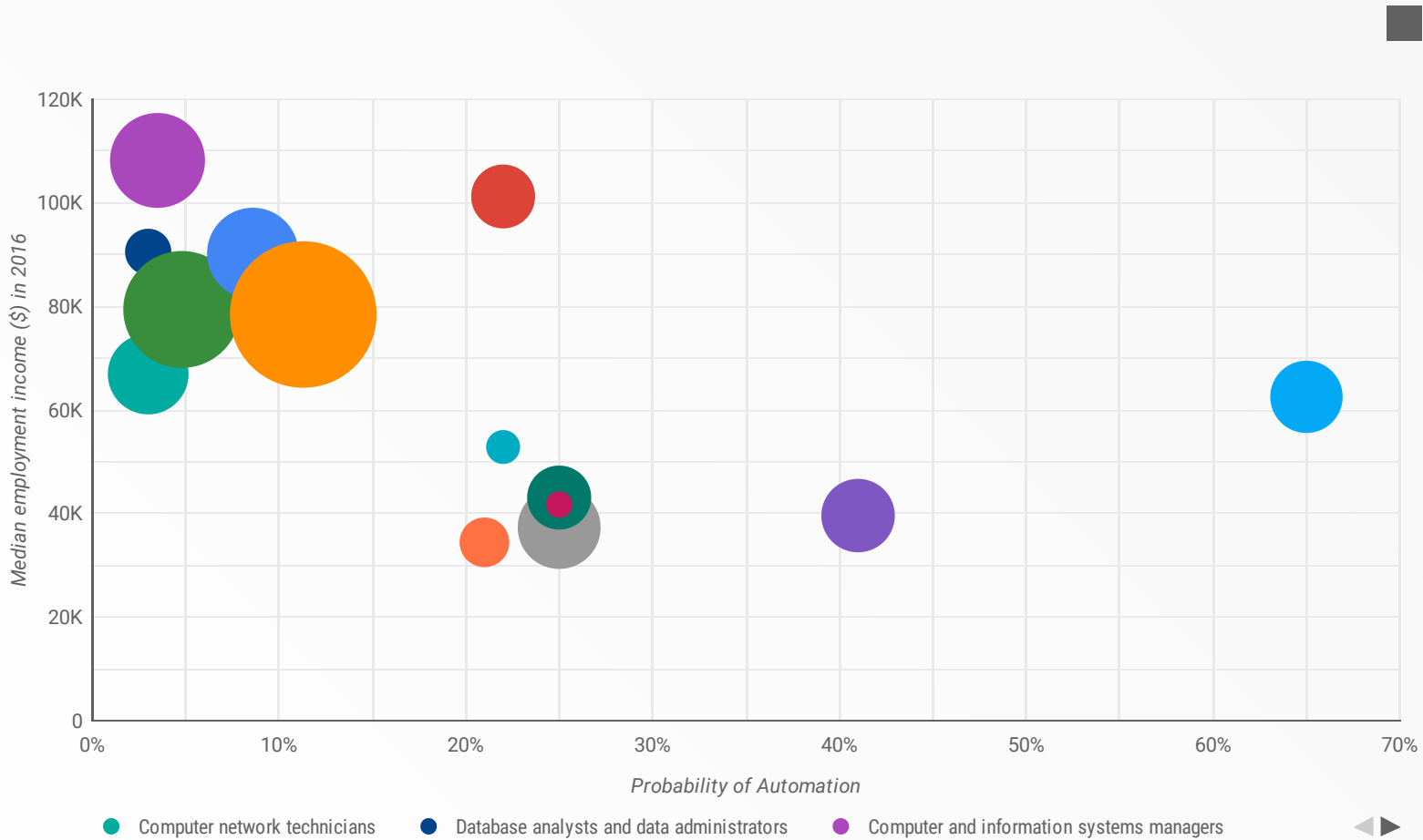
COMPANY	MUNICIPALITY	POSTINGS COUNT ▾
JONAS SOFTWARE	City of Markham	30
DELOITTE	City of Vaughan	22
HUAWEI TECHNOLOGIES CANADA CO. LTD.	City of Markham	17
QUADIENT	City of Markham	14
REDLINE COMMUNICATIONS INC	City of Markham	11
XPLORNET COMMUNICATIONS INC.	City of Markham	8
AVAYA CANADA CORP.	City of Markham	6
BELL	City of Vaughan	5
AVI-SPL CANADA LTD.	Town of Richmond Hill	5
BELL	City of Markham	5
XINFLIX MEDIA INC.	City of Markham	4
ROGERS COMMUNICATIONS	City of Markham	3
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Automation Potential

Information, Culture & Recreation Occupations in York Region 2026 -2036

Noc # ▼	Occupation Name	York Region Occupations	Probability of Automatio n	Median employment income (\$) in 2016	Low Wage/Hr in 2019/20	Median Wage/Hr in 2019/20	High Wage/Hr in 2019/20
2283	Information systems testing technicians	380	22%	\$52,849	\$16.83	\$32.21	\$58.8
2282	User support technicians	1,730	65%	\$62,536	\$18	\$30	\$50.48
2281	Computer network technicians	2,150	3%	\$66,933	\$19.23	\$35	\$50
2242	Electronic service technicians (household and business equipment)	1,785	41%	\$39,605	\$16	\$25	\$37.15
2175	Web designers and developers	815	21%	\$34,439	\$21	\$31.72	\$50
2174	Computer programmers and interactive media developers	4,525	4.8%	\$79,414	\$23	\$40	\$58.97
2173	Software engineers and designers	2,765	8.6%	\$90,233	\$28	\$46.15	\$64.9
2172	Database analysts and data administrators	705	3%	\$90,539	\$24.62	\$40	\$60.1
2171	Information systems analysts and consultants	7,110	11.3%	\$78,443	\$24.62	\$41.6	\$61.54
2147	Computer engineers (except software engineers and designers)	1,350	22%	\$101,235	\$24	\$44.1	\$67.02
513	Creative and performing arts	2,270	25%	\$37,302	\$16.26	\$25.83	\$42.26
512	Writing, translating and related communications professionals	1,355	25%	\$43,083	\$19.28	\$32.18	\$44.96

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Source: (1)Talented Mr. Robot, Brookfield Institute for Innovation & Entrepreneurship (2) Statistics Canada, Census 2016 (3) Statistics Canada, Labour Force Survey data for hourly wages in Toronto CMA.

Note: The charts show the probability of automation of information and select culture and recreation occupations by calculating how many of the work activities in each occupation could be automated. To better understand the local impact of these projections, the 2016 median incomes and workforce numbers for York Region have been added. Bubble size indicates the labour force.

PROJECTED SECTOR RETIREMENTS BY OCCUPATION 2022 -2026

This chart shows projected annual retirements in the Information, Culture & Recreation Sector in York Region by National Occupation Classification (NOC) between 2022 - 2026. The retirement rate is the number of people out of 100 York Region employees that will retire in the identified year. The annual local retirement figures were calculated by applying the annual national retirement rates to the number of York Region employees in each occupation, as reported in the 2016 Census. The information provided in this table includes only select occupations in this sector due to data availability.

NOC	Occupation Name	York Region employed	Rate 2022	Retirements 2022	Rate 2023	Retirements 2023	Rate 2024	Retirements 2024	Rate 2025	Retirements 2025	Rate 2026	Retirements 2026
5	Occupations in art, culture and recreation	14255	1.52	217	1.54	220	1.54	220	1.51	215	1.48	211.51
213	Computer and information systems managers	2980	1.89	56	1.96	59	2.07	62	2.05	61	2.07	61.62
510	Managers in art, culture, recreation and sport	710	3.02	21	3.01	21	2.92	21	2.98	21	2.84	20.19
2147	Computer engineers (except software engineers and designers)	1350	1.71	23	1.93	26	2.12	29	2.07	28	2.06	27.86
2171	Information systems analysts and consultants	7110	2.03	144	2.04	145	2.07	147	2.03	144	1.99	141.54
2172	Database analysts and data administrators	705	1.91	13	1.95	14	1.91	14	2.03	14	1.96	13.83
2173	Software engineers and designers	2765	1.49	41	1.50	41	1.55	43	1.53	42	1.51	41.84
2174	Computer programmers and interactive media developers	4525	1.29	58	1.30	59	1.33	60	1.37	62	1.4	63.37
2175	Web designers and developers	815	0.85	7	0.93	8	0.99	8	0.99	8	0.96	7.86
2242	Electronic service technician	1785	2.30	41	2.29	41	2.32	41	2.29	41	2.29	40.91

Source: Canadian Occupational Projection System (COPS) - 2021 to 2028 projections. Projections refer to a numerically-based view of the future economy built upon past data, computer models, expert knowledge and consultations.

APPENDIX - SECTOR STRUCTURE

Below it is shown this sector's subsectors (3-digit level), as well as some 4-digit level Industry Groups that are explored in this report.

SUBSECTOR NAICS 511 - Publishing industries (except internet)

Code Industry_group

5111 Newspaper, periodical, book and directory publishers

5112 Software publishers

SUBSECTOR NAICS 515 - Broadcasting (except internet)

Code Industry_group

5151 Radio and television broadcasting

5152 Pay and specialty television

SUBSECTOR NAICS 512 – Motion picture and sound recording industries

Code Industry_group

5121 Motion picture and video industries

5122 Sound recording industries

SUBSECTOR NAICS 517 – Telecommunications

Code Industry_group

5173 Wired and wireless telecommunications carriers(except satellite)

5174 Satellite telecommunications

5179 Other telecommunications

SUBSECTOR NAICS 518 – Data processing, hosting, and related services

Code Industry_group

5182 Data processing, hosting, and related services

SUBSECTOR NAICS 519 – Other information services

Code Industry_group

5191 Other information services

SUBSECTOR NAICS 711– Performing arts, spectator sports and related industries

SUBSECTOR NAICS 712 – Heritage institutions

SUBSECTOR NAICS 713 – Amusement, gambling and recreation industries