



*Your Local Employment Planning Council*

# Occupation Report

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## **Computer and information systems managers NOC 0213**

**Ottawa, Ontario, & Canada (2016-2021)**  
3-year historical data & forecasted growth

*Updated May 2019*

## Computer and information systems managers

## Ottawa Outlook

NOC 0213

Limited ★ Fair ★★ Good ★★★

Based on past and forecasted growth.

### A Local Snapshot

- Employment in this occupation **increased in Ottawa from 2016 to 2018 (4.6%)**; it is forecast to **increase an additional 2.5%** over the next three years.
- **2.5%** were **unemployed in Ottawa in 2016**; **101 (1.81%)** of those in this occupation were **self-employed**.
- **Median hourly wage** for this occupation was **\$54.31**.
- **23.1%** of the 2018 jobs were in the **Other federal services** industry sector.
- Ottawa has a **significantly higher share of this occupation** than the nation.
- **Provincially**, this occupation showed an obvious increase from 2016 to 2018 (**24.5%**); it is expected to increase again over the next three years (**11.8%**).
- *Canada Job Bank* forecasted **good** employment potential for this occupation in Ottawa from 2018-2020.

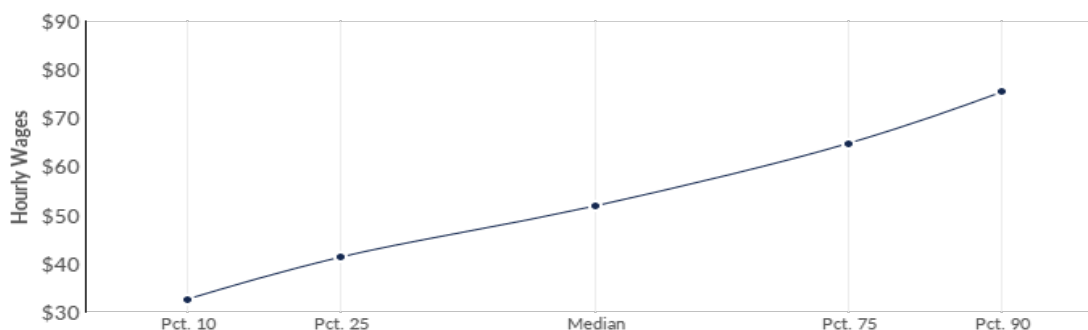
### Overview

<b>Ottawa Jobs (2018)</b>	<b>5,587</b> (2% were self-employed = 101)
<b>2016 Ottawa Unemployment Rate</b>	<b>2.5%</b> Ontario <b>2.7%</b>
<b>Location Quotient to Nation (2018)</b>	<b>2.33</b>
<b>Change in Jobs (2016 - 2018)</b>	<b>4.6%</b> (2018 - 2021) <b>2.5%</b>

*NOTE: Location quotient (LQ) is a way of quantifying how concentrated a particular occupation is in a region compared to the nation or province. A quotient of 1.00 means Ottawa has the same share of the occupation as the nation/province. A quotient higher than 1.00 means Ottawa has a greater share, and lower than 1.00 means Ottawa's share is lower than the average.*

### OTTAWA | Percentile Earnings (not including self-employed)

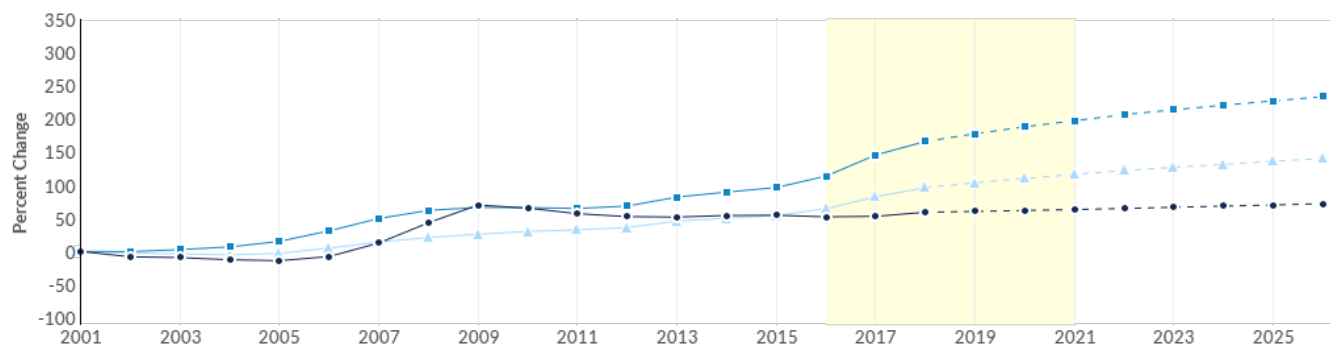
<b>\$41.33/hr</b> 25th Percentile Wages	<b>\$51.86/hr</b> Median Wages	<b>\$64.83/hr</b> 75th Percentile Wages
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## Ottawa | Growth

<b>5,342</b> 2016 Jobs	<b>5,728</b> 2021 Jobs	<b>386</b> Change (2016-2021)	<b>7.2%</b> % Change (2016-2021)
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## Regional Trends



	Region	2016 Jobs	2021 Jobs	Change	% Change
●	Ottawa	5,342	5,728	386	7.2%
●	Ontario	33,119	46,088	12,969	39.2%
●	Canada	62,708	82,407	19,699	31.4%

	Ottawa	Ontario	Canada
2016 Jobs	5,342	33,119	62,708
2017 Jobs	5,370	38,064	69,550
2018 Jobs	5,587	41,227	74,832
2019 Jobs	5,629	43,026	77,607
2020 Jobs	5,679	44,647	80,142
2021 Jobs	5,728	46,088	82,407

## Ottawa | Industries Employing this Occupation

Industry	Occupation Jobs in Industry (2018)	% of Occupation in Industry (2018)	% of Total Jobs in Industry (2018)
Other federal services (9112-9119)	1,247	22.3%	1.4%
Computer systems design and related services	1,197	21.4%	5.4%
Computer and communications equipment and supplies merchant wholesalers	402	7.2%	5.9%
Software publishers	189	3.4%	6.3%
Defence services	166	3.0%	1.2%

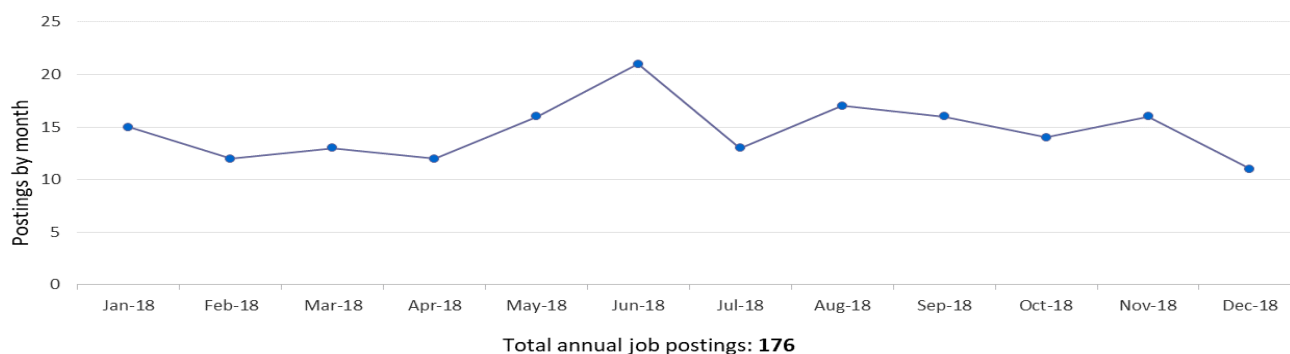
*NOTE: Inverse staffing patterns provides a table of percentages that shows how regional occupations are divided up among regional industries. For example, an inverse staffing pattern for registered nurses may show that 70% of RNs are employed by hospitals, 10% by local government (i.e., public schools), 10% by nursing homes, and 10% by offices of physicians.*

## Educational programs and completions in Ottawa (*public institutions only*)

10 Programs (2016)		956 Completions (2016)
CIP Code	Program	Completions (2016)
52.02	Business administration, management and operations	365
11.07	Computer science	233
15.12	Computer engineering technologies/technicians	192
11.10	Computer/information technology administration and management	63
52.12	Management information systems and services	56

*NOTE: EMSI Analyst uses Statistics Canada's PSIS data to compile completions for postsecondary programs offered in Canada, classified by the 2016 CIP codes. 2016 data includes those who graduated in spring 2017.*

## Job Postings by Month



*NOTE: Based on newly published job postings first found between January 01, 2018 and December 31, 2018 AND location is Ottawa Census Sub-division, Vicinity Jobs.*

## Other Considerations

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**LICENSURE/OTHER REQUIREMENTS FOR ONTARIO:** None required (**not** a regulated profession)

*NOTE: Workers in regulated occupations require a licence to work legally. Workers in non-regulated occupations do not require a licence, but employers may have other certification requirements.*

**CANADIAN LANGUAGE BENCHMARKS:** N/A

## Links to Additional Occupational Information

[Ontario Job Futures](#) – NOC 0213 Computer and information systems managers

[GOC Job Bank](#) – Cites outlook information for Ottawa, as well as Ontario and Canada; also shows job postings and wage information for Ottawa.

[Statistics Canada - Occupation information for NOC 0213](#)

**Ontario Skills Passport - Computer and information systems managers** – *not available for this occupation*

## About EMSI Occupational data

Economic Modeling Specialists Inc. (EMSI) amalgamates information from several data sources in order to produce its occupation counts:

- Canadian Business Patterns (CBP) – *Updated December 2018*
- Census – *2016*
- Survey of Employment, Payrolls and Hours (SEPH) – *Updated December 2018*
- Labour Force Survey (LFS) – *2018*
- Canadian Occupational Projection System (COPS) – *Latest projections cover 2016-2026*
- Demographic CANSIM tables – *Various updates*
- Postsecondary Student Information System (PSIS) - *Updated annually; 2016/17 data available now*

Information from these sources is combined into a dataset that is updated twice annually by EMSI; the latest release came in the Spring of 2019 and these reports reflect actuals and projections based on that data. Detailed occupation data is based primarily on industry staffing patterns collected by the SEPH, which surveys businesses and is considered more reliable than the LFS, which surveys individuals.

**NOTE:** In 2016, EMSI Analyst switched from the NOC-S 2006 occupation classification system to the NOC 2011 occupation classification system. Some occupation titles and groupings have been modified slightly as a result; all historical data has been adjusted to match the NOC 2011 classification system.

*Should you have any further questions about the data in this report, please contact **Ottawa Employment Hub** at 613-727-4723 X6873 or [info@OttawaEmploymentHub.com](mailto:info@OttawaEmploymentHub.com)*