

## Information Systems Analysts and Consultants

### Description

Information systems analysts and consultants analyze and test systems requirements, develop and implement information systems development plans, policies and procedures, and provide advice on a wide range of information systems issues. They are employed in information technology consulting firms and in information technology units throughout the public and private sectors, or they may be self-employed.

### Duties:

- Information systems business analysts and consultants
  - Confer with clients to identify and document requirements
  - Conduct business and technical studies
  - Design, develop, integrate, test and implement information systems business solutions
  - Provide advice on information systems strategy, policy, management, security and service delivery.
- Systems security analysts
  - Confer with clients to identify and document requirements, assess physical and technical security risks to data, software and hardware
  - Develop policies, procedures and contingency plans to minimize the effects of security breaches.
- Information systems quality assurance analysts
  - Develop and implement policies and procedures throughout the software development life cycle to maximize the efficiency, effectiveness and overall quality of software products and information systems.
- Systems auditors
  - Conduct independent third-party reviews to assess quality assurance practices, software products and information systems.

### Other titles:

- informatics security analyst
- systems security analyst
- systems auditor
- systems consultant
- information technology (IT) consultant
- information systems business analyst
- computer systems analyst
- management information systems (MIS) analyst
- informatics consultant

(Government of Canada National Occupation Classification)

## Skills

Verbal & written communication	Problem solving	Adaptability	Decision making	Leadership
	Presentation skills	Organization	Time management	

## Education/Training Requirements

Ontario Secondary School Diploma (OSSD)

- Most college/university programs in Ontario require an OSSD or Mature Student Status

Post-secondary diploma/degree

- A bachelor's degree in computer science, computer systems engineering, software engineering, business administration or a related discipline OR completion of a college program in computer science is usually required

Certification

- Experience as a computer programmer is usually required
- Certification or training provided by software vendors may be required by employers

## Potential Earnings in Durham Region

The average and median wages and salaries for individuals employed as information systems analysts and consultants are as follows. Place of Residence (POR) is defined as individuals who reside within the Durham Region. Place of Work (POW) is defined as individuals who are employed within the Durham Region.

Median Wages and Salaries (POR)	Average Wages and Salaries (POR)	Median Wages and Salaries (POW)	Average Wages and Salaries (POW)
\$73,338	\$75,683	\$75,525	\$78,333

## Employment Prospects

Industry (NAICS)	Jobs in Durham Region (POW)	Durham Region Residents Employed (POR)
5171 Wired telecommunications carriers	20	120
5415 Computer systems design and related services	490	830
5416 Management, scientific and technical consulting services	45	145

9120 Provincial and territorial public administration	95	165
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(Ministry of Advanced Education and Skills Development 2016 data in Durham Workforce Authority's 2017 Sector Report)