CAREER PROFILES

Information Systems Analysts and Consultants:

Information Systems Analysts and Consultants analyze systems requirements, develop and implement information systems development plans, policies, and procedure, and provide advice on a wide range of information systems issues.

Wage/Salary Information:

$87,350 is the median annual salary found in local job-postings.

$33.29/hour is the median wage reported locally.

Commonly Listed Skills in Job Postings:

- Oral and written communication
- Problem solving
- Management
- Analytical
- Software development
- Self-motivated
- Detail oriented
- Troubleshooting
- Microsoft Office
- Teamwork
- Creativity
- Organizational skills

Job Duties:

Information Systems Analysts and Consultants confer with clients to identify and document requirements, conduct business and technical studies, design, develop, integrate, and implement information systems business solutions, and 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, and 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.

Working Conditions:

These workers are often required to work long hours to meet deadlines or resolve problems. Updating or debugging code can be a long process requiring great attention to detail, although this has become less of an issue as many employers have moved to automated debugging. The demands of debugging may sometimes lead to burn-out amongst these workers.

Workers spend long hours at computer workstations. They must be careful to use safe work practices to avoid eye strain as well as stress on back, neck and shoulders, and joint stress from keyboarding and mouse work.
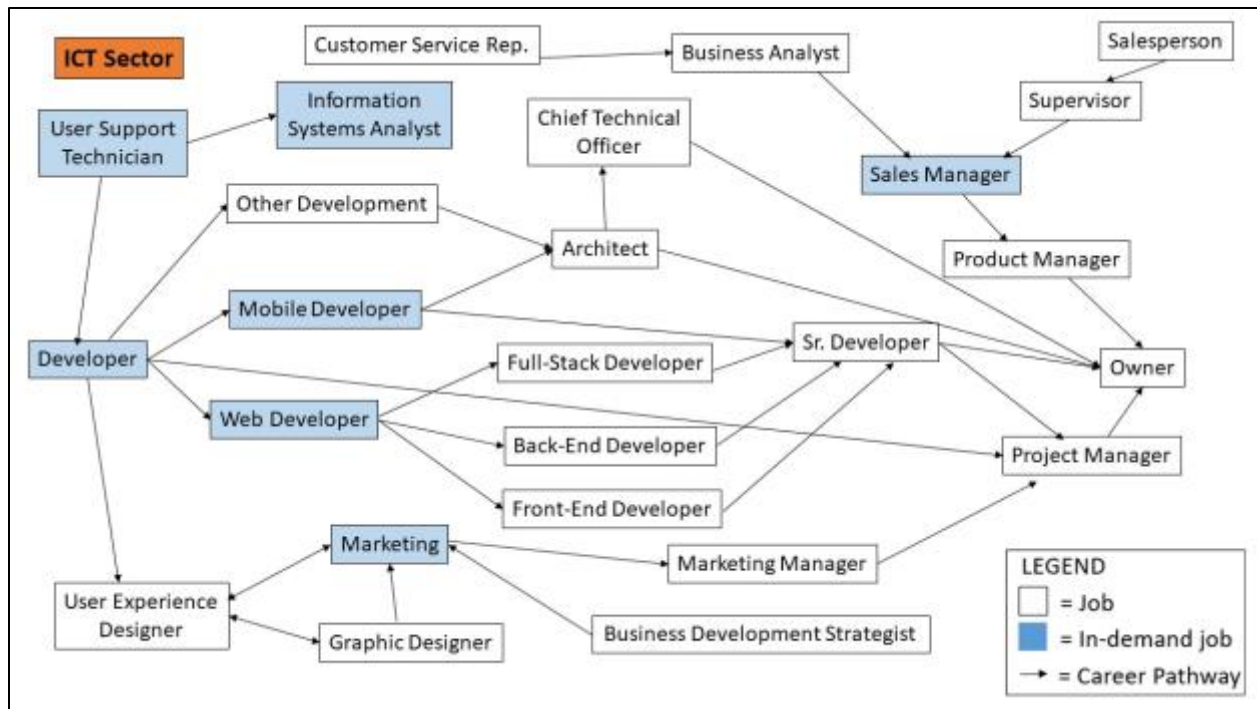
These professionals must have good communication skills to work with customers as well as with their own teams.

Career Pathways:

There are many specific types of Analysts in this field, but they generally work in the computer department of a company providing the research and information necessary to maintain an up-to-date computer system. With experience, Systems Analysts can advance to Project Manager and lead a team of Analysts. Some can eventually become IT Directors or Chief Technology Officers.

Workers in this field are employed in information technology consulting firms and in information technology units throughout the private and public sectors, or they may be self-employed. Below are potential career paths for Information Systems Analysts:

- Computer Systems Analyst
- Informatics Consultant
- Informatics Security Analyst
- Information Systems Business Analyst
- Information Systems Quality Assurance Analyst
- IT (Information Technology) Consultant
- Management Information Systems (MIS) Analyst
- Systems Auditor
- Systems Consultant
- Systems Security Analyst

Education and Training Pathways:

If you're interested in becoming an Information Systems Analyst, you can acquire training/education locally at any of the following institutions.

Canadian College of Health, Science, and Technology:

Systems Software Technician

Admission/Eligibility Requirements: Unknown

Academic Credential: Systems Software Technician Diploma

Professional Certification: Unknown

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: Unknown

Program Cycle: Unknown

Program Cost: Unknown

OSAP Eligible: Unknown

Location: 1737 Walker Road, Windsor, N8W 3P2

For more information on this program, please visit:

Computer Systems Technician – Networking

Admission/Eligibility Requirements:

- OSSD with the majority of courses at the College (C), University (U), University/College (M), or Open (O) level
- Grade 12 Math (C) or (U)

Academic Credential: Two Years - Ontario College Diploma

Professional Certification: Unknown

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 2 year

Program Cycle: Unknown

Program Cost:

- Year 1: $3,941.61
- Year 2: $3,804.05
- Total: $7,745.66 (2017/18)

OSAP Eligible: Yes

Location: 2000 Talbot Road West, Windsor, N9A 6S4

For more information on this program, please visit:

Computer Systems Technology – Networking

Admission/Eligibility Requirements:

- OSSD with the majority of courses at the College (C), University (U), University/College (M), or Open (O) level
- Grade 12 Math (C) or (U)

Academic Credential: Three Year - Ontario College Advanced Diploma

Professional Certification: Unknown

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 3 years

Program Cycle: Unknown

Program Cost:

- Year 1: $3,941.61
- Year 2: $3,781.95
- Year 3: $3,804.05
- Total: $11,527.61 (2017/18)

OSAP Eligible: Yes

Location: 2000 Talbot Road West, Windsor, N9A 6S4

For more information on this program, please visit:

http://www.stclaircollege.ca/programs/postsec/comp_technology/

Information Technology Professional

Admission/Eligibility Requirements: High School Graduation Diploma or Mature Student Status

Academic Credential: Information Technology Professional (ITP) Diploma

Professional Certification: Unknown

Attendance: In-Person

Full-time or Part-time: Full-time

Program Length:

- Diploma program only: 74 weeks
- Diploma program + internship: 90 weeks

Program Cycle: Unknown

Program Cost: Unknown

OSAP Eligible: Unknown

Location: 7610 Tecumseh Road East, Windsor, N8T 1E9

For more information on this program, please visit:

http://www.trios.com/career/?Section=InformationTechnologyProfessional

Network Administrator

Admission/Eligibility Requirements:

- High School Graduation Diploma or Mature Student Status

Academic Credential: Network Administrator Diploma

Professional Certification: Unknown

Attendance: In-Person

Full-time or Part-time: Full-time

Program Length: 33 weeks

Program Cycle: Unknown

Program Cost: Unknown

OSAP Eligible: Unknown

Location: 7610 Tecumseh Road East, Windsor, N8T 1E9

For more information on this program, please visit:

http://www.trios.com/career/?Section=NetworkAdministrator

Business Administration and Computer Science

Admission Requirements:

- Mean Admissions Average: 83%
- Minimum Admissions Average: 73% (without co-op and 78% (with co-op) ENG4U and one Grade 12U math with a mark of at least 70%
- For second-year Odette School students: minimum of 75% average
- (Students must obtain major average of 70%+ and cumulative average of 65%+, and successfully complete three paid work terms to remain in Co-op program) (Only one outstanding grade of lower than 50% is permitted)

Academic Credential: Degree - Bachelor of Commerce

Professional Certification: Opportunity to Concentrate and receive Certificate in Marketing, Human Resources Management, Finance, Accounting, and Information Systems

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 4 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *$10867.86

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

http://www.uwindsor.ca/studentrecruitment/333/business-administration-honours-and-computer-science-optional-co-op

General Computer Science

Admission Requirements:

- Mean Admission Average: 81%
- Minimum Admission Average: 70% (without co-op) and 75% (with co-op)
- ENG4U, and MHF4U. MCV4U strongly recommended.
- 70% Math average.
- Co-op programs require 75%+70% second Math average.

Academic Credential: Degree - B.C.S.

Professional Certification: Opportunity to Concentrate in Web Development or Information Systems

Attendance: In-person

Full-time or Part-time: Full-time or part-time

Program Length: 3 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *$11143.56

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

http://www1.uwindsor.ca/cs/

Applied Computing

Admission Requirements:

- Mean Admission Average: 81%
- Minimum Admission Average: 70% (without co-op) and 75% (with co-op)
- ENG4U, and MHF4U.
- MCV4U strongly recommended.
- 70% Math average. Co-op programs require 75%+70% second Math average.

Academic Credential: Degree - B.C.S.

Professional Certification: Opportunity to Concentrate in Web Development or Information Systems

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 4 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *$11143.56

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

http://www1.uwindsor.ca/cs/809/bachelor-of-computer-science-honours-applied-computing

Computer Science with Software Engineer Specialization

Admission Requirements:

- Mean Admission Average: 81%
- Minimum Admission Average: 70% (without co-op) and 75% (with co-op)
- ENG4U, and MHF4U.
- MCV4U strongly recommended.
- 70% Math average.
- Co-op programs require 75%+70% second Math average.

Academic Credential: Degree - B.C.S.

Professional Certification: Specialization in Software Engineering

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 4 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *$11143.56

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

http://www.uwindsor.ca/studentrecruitment/344/computer-science-software-engineering-specialization-honours-optional-co-op

Computer Science

Admission Requirements:

- Mean Admission Average: 81%
- Minimum Admission Average: 70% (without co-op) and 75% (with co-op)
- ENG4U, and MHF4U. MCV4U strongly recommended.
- 70% Math average.
- Co-op programs require 75%+70% second Math average.

Academic Credential: Degree - B.C.S.

Professional Certification: Opportunity to Concentrate in Web Development or Information Systems

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 4 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *$11143.56

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

http://www1.uwindsor.ca/cs/

[Windsor Career College:](#)

Computer Networking & Security

Admission/Eligibility Requirements: Unknown

Academic Credential: Computer Networking & Security Diploma

Professional Certification: Unknown

Attendance: In-Person

Full-time or Part-time: Full-time

Program Length: 40 weeks

Program Cycle: Unknown

Program Cost: Unknown

OSAP Eligible: Unknown

Location: 235 Eugenie Street West, Windsor, N8X 2X7

For more information on this program, please visit:

http://www.windsorcareercollege.ca/computer_networking.html

Disclaimer: The educational institution reserves the right to change information without notice, and may result in discrepancies between their information and the information presented above. If any errors are found, please report them to info@workforcewindsoressex.com.