



## CAREER PROFILES

### Computer Programmers and Interactive Media Developers:

**Computer Programmers** write, modify, integrate, and test computer code for software applications, data processing applications, operating systems-level software and communications software. **Interactive Media Developers** write, modify, integrate, and test computer code for Internet and mobile applications, computer-based training software, computer games, film, video, and other interactive media.

### Wage/Salary Information:

\$76,300 is the median annual salary found in local job-postings.

\$31.20/hour is the median wage reported locally.

### Commonly Listed Skills in Job Postings:

- Problem solving
- Coding language
- Application development
- Oral and written communication
- Software development
- Time management
- Customer service oriented
- Troubleshooting
- Self-motivated
- Work independently
- Data modeling
- Programming languages and frameworks
- Creativity
- Detail oriented

### Job Duties:

Computer Programmers write, modify, and integrate test software code, while maintaining existing computer programs by making modifications as required. They identify and communicate technical problems, processes and solutions. Computer Programmers prepare reports, manuals, and other documentation on the status, operation, and maintenance of software. Computer Programmers also assist in the collection and documentation of user requirements and assist in the development of logical and physical specifications.

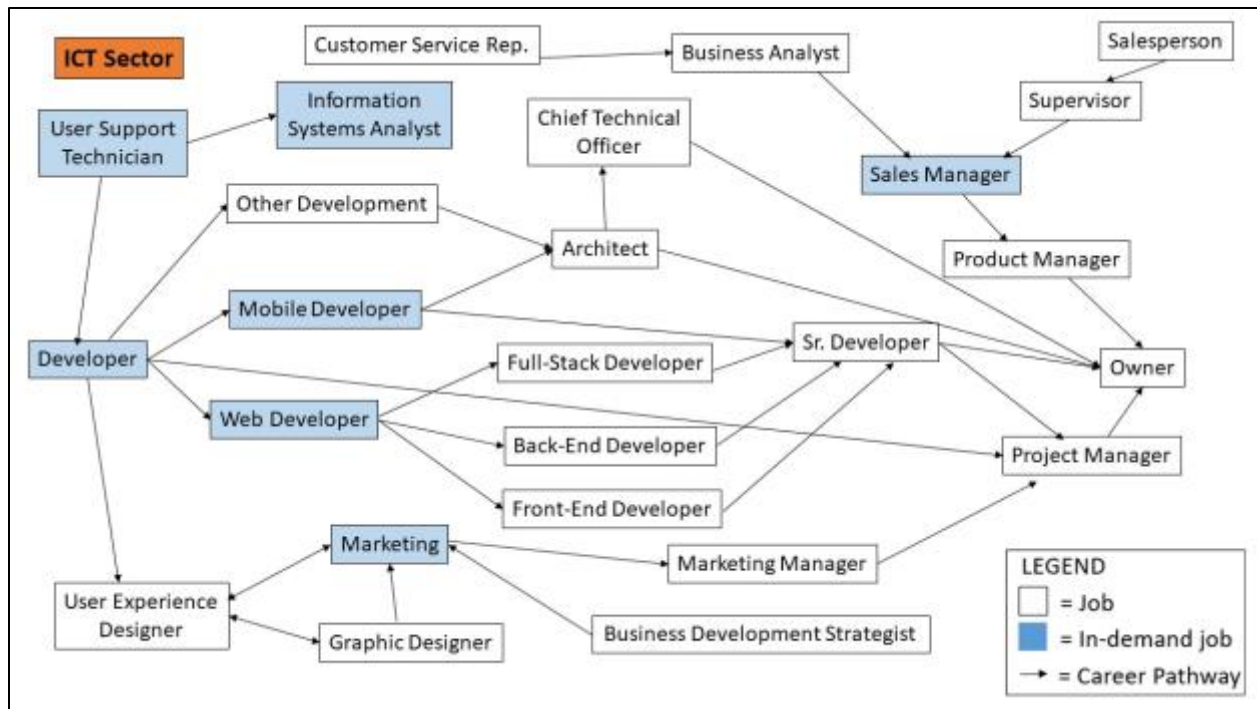
Interactive media developers program animation software to predefined specifications for interactive CDs, DVDs, video game cartridges, and Internet-based applications. Interactive media developers program special effects software for film and video applications. They write, modify, integrate, and test software code for e-commerce and other Internet applications. Interactive media developers also assist in the collection and documentation of user requirements and assist in the development of logical and physical specifications.

### Career Pathways:

The opportunities for Programmers today are plentiful and programmers are currently in high demand. Computer programming can be done from anywhere in the world, so many companies hire Programmers in countries where wages are lower. An increase in computer systems that are built into electronics and other non-computer products should result in some job growth for Computer Programmers and Software Developers.

Most Computer Programmers and Interactive Media Developers are employed in computer software development firms, information technology consulting firms, and in information technology units throughout the private and public sectors. Below are potential career paths for Computer Programmers and Interactive Media Developers:

- Application Programmer
- Business Application Programmer
- Computer Game Developer
- Computer Programmer
- E-business (Electronic Business) Software Developer
- Interactive Media Developer
- Multimedia Developer
- Operating Systems Programmer
- Programmer Analyst
- Scientific Programmer
- Software Developer
- Software Programmer
- Web Programmer



### Education and Training Pathways:

If you're interested in becoming a Computer Programmer or Interactive Media Developer, 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:

<http://www.cchst.net/systems-software-technician-program-internship/>

**St. Clair College:**

**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, NgA 6S4

For more information on this program, please visit:

[http://www.stclaircollege.ca/programs/postsec/comp\\_technician/](http://www.stclaircollege.ca/programs/postsec/comp_technician/)

**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/](http://www.stclaircollege.ca/programs/postsec/comp_technology/)

**triOS College:**

**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>

## **University of Windsor:**

### **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](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@workforcewindsorsex.com](mailto:info@workforcewindsorsex.com).*