



Web Development and Internet Applications

School of Information Technology

IWD2 - Web Development and Internet Applications

This program has been permanently suspended.

Program Description

Today's web development professional requires modern, expert technical knowledge to build online sites and applications that are intuitive, functional, accessible and attractive. In this two-year Ontario College Diploma, you will graduate as a professional full-stack developer by learning all of the latest web standards using the most advanced software in the industry. You'll also learn to work effectively in web agency team scenarios, study online marketing and learn entrepreneurship strategies for a new business start-up and/or freelance operation.

This website development program will provide you with a dynamic and diverse set of skills required to build secure, reliable and effective modern web applications using industry-standard photo, graphics, animation, database, page design and programming tools.

Identify and address every aspect of back-end and front-end website development, web design and mobile application development

Gain expertise in programming languages and databases that provide positive interaction for the user experience (UX)

Combine your technical skills with visual design concepts that work effectively for the front-end user interface (UI) to emphasize the website's message in every viewport, from small touch-screen to large-screen browsers

The Web Development and Internet Applications Ontario College Diploma program prepares students to work in the growing field of web-centric commercial application development. The focus of the program is on the construction of various types of web applications using leading web environments, tools, servers, databases and languages. In addition, students will learn the fundamentals of both traditional web deployment platforms as well as new emerging mobile platforms. You'll develop an understanding of basic hardware, networking and operating systems as well as the installation and configuration of web and e-mail servers in Windows and Linux. Training will also include studies in leading-edge technologies such as social networking systems and semantic web applications.

Upon completion of our website development courses, you'll have what it takes to enter the fast, ever-growing industry of web development as a professional agency developer, freelancer or even start your own business!

Document of Recognition

Web Development and Internet Applications Diploma

Program Type/Credential

Two-Year Ontario Graduate Diploma

Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. Communicate and collaborate with team members and stakeholders to facilitate effective working relationships;
2. Configure, document and maintain fundamental server requirements for the effective functioning of applications;
3. Design, implement and maintain databases to store and retrieve data according to requirements;
4. Design and implement a security plan based on best practices, techniques and strategies to minimize risks of hacking and/or data loss;
5. Program and debug complex applications using a variety of development technologies and tools to optimize performance and minimize errors;
6. Create internet applications that apply design best practices, techniques and strategies for a variety of development projects that comply with accessibility, web and other requirements;
7. Develop internet applications reflective of business objectives and client needs;
8. Adhere to ethical, legal, and regulatory requirements and/or principles in the development and management of internet applications;
9. Participate as a member or leader of a team by applying project management concepts and strategies for the successful completion of a project;
10. Select and apply strategies for personal and professional development to enhance work performance.

Career Opportunities

Graduates of Fanshawe's Web Development and Internet Applications program are hired by web development firms, software development firms, graphic design agencies, mobile game development firms and information technology units throughout the private and public sectors. Graduates typically find employment as:

- website developers
- graphic designers
- e-commerce website developers
- mobile application and game developers
- webserver administrators



- members of an integrated web development team

Did you know Fanshawe consistently ranks high in graduate employment rates among large colleges in Ontario?

Here are some examples of career opportunities for graduates of Fanshawe's Web Development and Internet Application program:

Web Developer

Manage a website using innovative strategies to ensure the website is fully optimized and running proficiently to allow for a seamless, user-friendly experience.

Front End Developer

Recommend front-end technical solutions including frameworks and JavaScript libraries.

Web Product Developer

Develop and implement a website, research new technologies and best practices, make recommendations and focus on continuous quality improvement.

Admission Requirements

Ontario Secondary School Diploma (OSSD), or equivalent, or a mature applicant with the following courses:

- Grade 12 English (C or U)
- Grade 11 or 12 Math (C, M or U)

Students who do not meet these requirements are recommended for academic upgrading. A conditional offer may be possible with proof of enrolment.

Approximate Costs

Fee details are available at www.fanshawec.ca/fees

Contact

School of Information Technology: 519-452-4430

Campus Codes and Intakes

- Program Code: IWD2
- Campus Code: London Campus (LC)
- January, September admissions
- 60 weeks
- Academic Calendars available at www.fanshawec.ca/academicdates

Applicant Selection Criteria

Where the number of eligible applicants exceeds the available spaces in the program, the Applicant Selection Criteria will be:

1. Preference for Permanent Residents of Ontario
2. Receipt of Application by February 1st (After this date, Fanshawe College will consider applicants on a first-come, first-served basis until the program is full)
3. Achievement in the Admission Requirements

English Language Requirements

Test	Score
TOEFL iBT (2026)	Overall score of 4.5 with no score less than 4 in any band
TOEFL iBT (Prior to 2026)	79
IELTS Academic	Overall score of 6.0 with no score less than 5.5 in any of the four bands
CAEL	Overall score of 60 with no score less than 50 in any of the four bands. Score of 80 in listening
PTE Academic	Minimum score of 53 with no score less than 45 in any of the four bands
Cambridge English	Overall score of 169 with no language skill less than 162
ESL4/GAP5	Minimum grade of 80% in Level 8, 75% in Level 9, or 70% in Level 10
Duolingo	Overall score of 105, with no score lower than 95
LanguageCert Academic	Overall score of 65 with no score less than 60 in any of the four skills

Program Pathways

For information about Program Pathways visit www.fanshawec.ca/programpathways

Program Curriculum

Level 1

Take all of the following Mandatory courses:

Group 1

BUSI-1156	Strategies for Success-Credits 1
INFO-1251	Web Server & Network Fundamentals-Credits 4
INFO-1272	JavaScript 1-Credits 6
INFO-1274	Graphic Design for Web Developers-Credits 3
INFO-1252	Front End Web Development-Credits 3

Group 2

WRIT-1043	Reason & Writing 1 for IT-Credits 3
WRIT-1034	Reason & Writing 1-EAP-Credits 4

Level 2

Take all of the following Mandatory courses:

INFO-3174	Web Security-Credits 3
INFO-3168	JavaScript 2-Credits 3
INFO-1208	PHP Fundamentals-Credits 3
INFO-1273	Databases 1-Credits 4
INFO-1167	Business At the Speed of Light-Credits 3
INFO-3163	CMS Web Development-Credits 4

Level 3

Take all of the following Mandatory courses:

COMM-3077	Communications for IT-Credits3
MGMT-3052	Understanding Workplace Behaviours-Credits3
INFO-3170	JavaScript 3-Credits 3
INFO-3172	Leveraging the Cloud-Credits 3
INFO-3171	User Interfaces & Data Visualization-Credits 3
INFO-3173	Mobile Development 1-Credits 3
INFO-3169	Databases 2-Credits 3



Level 4

Take all of the following Mandatory courses:

Group 1

INFO-5145	Full Stack Deployment-Credits 3
INFO-5143	JavaScript 4-Credits 3
INFO-5144	Mobile Development 2-Credits 3
BUSI-3040	Small Business IT Strategies-Credits 4
INFO-5146	Web Development Trends-Credits 3

Group 2

Take INFO-5139 OR INNV-5001

INFO-5139	Application Project-Credits 4
INNV-5001	Innovation Applications-Credits 3