

### **Application Procedure**

In order to apply for admission to this program an applicant must complete an "Application for Admission to Ontario Colleges of Applied Arts and Technology" form and submit this form to the:

Ontario College Application Services  
P.O. Box 810, Guelph, Ontario, N1H 6M4  
1-888-892-2228

Application Forms and Applicant Guidebooks are available at Ontario Secondary Schools, at Ontario Colleges of Applied Arts and Technology and at the Ontario College Application Services office.

### **Admission to the College**

Complete information concerning admission to programs at Fanshawe College may be found in the Central Admission Publication located in the Office of the Registrar, Fanshawe College.

The College reserves the right to make changes in the information in this brochure without prior notice.

The College reserves the right to cancel a program, a program major or option, or a course, and to change the location and term in which programs/courses are offered because of insufficient registrations or for other budgetary reasons.

### **Fanshawe College**

Fanshawe College is one of the largest colleges in Ontario with campuses in London, St. Thomas, Simcoe and Woodstock. Fanshawe prides itself on its modern methods and up-to-date technology that provide students with a solid education.

With over one-third of its full-time post-secondary programs combining on-the-job training with in-college study, Fanshawe is recognized as a leader in the field of co-operative education.

In addition to offering post-secondary programs in Applied Arts and Business, Health Sciences and Human Services and Technology, Fanshawe provides other educational programs such as Adult Training, Apprenticeship, and Continuing Education.

*This brochure is available in alternative formats, upon request, for persons with disabilities.*

#### **For further information on admission and registration, contact:**

Office of the Registrar, (519) 452-4277

#### **For further specific program information, contact:**

Information Technology Division, (519) 452-4291

### **Fanshawe College**

**1460 Oxford St. E.**

**P.O. Box 7005**

**London, ON, N5Y 5R6**

**[www.fanshawec.on.ca](http://www.fanshawec.on.ca)**

# Fanshawe

## COLLEGE

## Web System Analyst

**A Post-Graduate Program**



**FANSHAWE  
COLLEGE**

*Community Driven . . .  
Student Focused*



# Web System Analyst

A One Year Post-Graduate Certificate Program  
 Program Code: WSA1 Campus Code: LC  
 September Admission

The newly emerging field of World Wide Web and Internet, and all the resulting applications involved, is exciting and dynamic. The student in Web Systems Analyst requires a unique ability to work with, and to program computers, combined with artistic skills involving graphic creation, design and implementation. This program will enable the graduate to work in all facets of the WWW/Internet field within large or small organizations. Training is provided in setting up a server in either UNIX or WIN NT (the two major platforms), creating and designing graphics and web pages effectively, developing full Business sites and pages using the latest Browser software and techniques, applying web database access techniques and, finally, understanding and being able to fulfill the ongoing maintenance requirements of a site. Courses, software and hardware focus on an IBM PC based Internet environment.

## Career Opportunities

Graduates may expect to find employment as Web Systems Analyst, Web Analyst, Web Designer, Web Programmer, Web Administrator, Internet/Intranet Administrator as well as programmer and systems analyst. Whether in a small or large work environment, these occupations are creative, challenging, rewarding and offer great scope for opportunity.

WSA11	Level 1	Hrs/Wk
INFO180	Graphics I (Corel Suite)	4.0
INFO190	Web Languages	3.0
SYST150	Site Infrastructure I (Unix)	5.0
SYST160	Site Content Management I	2.0
SYST170	Site Development I (Intranet)	3.0

WSA12	Level 2	Hrs/Wk
INFO280	Graphics II	4.0
SYST250	Site Infrastructure II (Windows Nt)	5.0
SYST260	Site Content Management II	3.0
SYST270	Site Development II (Server Sided)	5.0

## Program Eligibility Criteria

### Required Academic Preparation

One of:

- Computer Systems Technician Diploma
- Computer Programmer Analyst Diploma
- Computer Programmer Diploma
- Graphic Design Diploma

Or

An equivalent qualification from another institution as judged by the College

Or

Mature Applicant with background and experience judged by the College to be equivalent to the above

## Applicant Selection Criteria

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

- Preference for Permanent Residents of Ontario.
- Receipt of Application by February 1st.
- Achievement in the required academic preparation.

## Note:

Applications received by February 1st will be guaranteed consideration. Applications received after February 1st will be considered only if places remain available in the program.

## Other Information

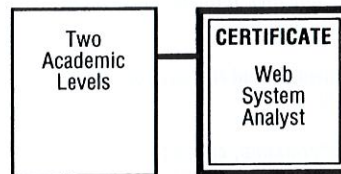
- It is most strongly suggested that the student have the following minimum computer configuration available outside of the College: Pentium II, 64 MB Ram, 4 Gig HD, CD ROM/DVD drive, 17" monitor, 16 bit sound card, 56 K modem, colour inkjet printer. Operating System: Windows 98 or NT Version 4. Also desired though not essential: scanner and/or digital camera, CORELdraw suite. Telephone line for Internet access. Wave connection or phone connection to ISP. Students wishing to buy a computer should delay the purchase until after the start of classes and they can confirm with the Co-ordinator of the program that the suggested configuration is still current. Rapid technological change may require an updated configuration.

## Approximate Costs (1999/2000)

Fees for:	Levels 1 & 2
	\$2600.30
Books and Supplies:	\$200.00 plus textbook costs available
	September, 1999; optional computer
	\$2000.00 and software \$100.00

## Program Progression

Year 1



## Course Descriptions

### INFO180 - Graphics I (Corel Suite)

For a site to be truly successful it must use unique and original art and graphics. The student will be able to produce high quality graphics and art for the web using a variety of graphics software including all aspects of CorelDraw and Corel Photo paint.

### INFO190 - Web Languages

Using the most current Web languages (i.e. JAVA, JAVASCRIPT and VBSCRIPT) students will embed programs/scripts for use in web pages. There will be an emphasis on "client sided" interactive Web pages.

### INFO280 - Graphics II

This course has the participant study, then design, effective and attractive web page layouts involving balance, color and the use of graphics and animation. Special consideration is given to the integration of site appearance to the Company's image and current presentation requirements. Animation will involve the latest in computer software (i.e., Macromedia Director Suite, etc.)

### SYST150 - Site Infrastructure I (Unix)

A web site requires the underlying source computer, the server. Students will have hands on experience that they can use to install, configure and implement an Internet/intranet, company web site. Topics such as DNS management, encryption/virtual network, http/FTP, topology/hardware and traffic volumes are a main focus as students work hands on in a UNIX lab environment.

### SYST160 - Site Content Management I

The student will learn how to maintain an active web site including updating links, revising data and information as required for departments, or the firm as a whole. As well standards and the Project Development Life Cycle will be studied.

### SYST170 - Site Development I (Intranet)

Graduates will implement a complete Business Web Site representing a multi-department intranet with inter linked Web pages sites using the newest web methods (currently Internet Explorer 4 and Netscape 4, XHTML and Cascading style sheets). As well various client sided applications will be implemented.

### SYST250 - Site Infrastructure II (Windows Nt)

Using an alternate web platform (such as WINDOWS NT) from that studied in a first level course, the student will setup a complete server system including E MAIL, FTP and web pages for a company whether large or small. Topics such as DNS management, encryption/virtual network, http/FTP, topology/hardware and traffic volumes are a main focus as students work hands on in a Win NT lab environment.

### SYST260 - Site Content Management II

The person taking this course will learn how to manage an ongoing web site in any sized firm, including navigation and links, database sharing, security issues, firewalls, etc. As well standards and the Project Development Life Cycle will be studied.

### SYST270 - Site Development II (Server Sided)

Students will produce Web pages and Web sites that centre around the server itself, allowing access to files residing on the Server. There will be a special emphasis on database access using various software methods ranging from LEGACY software to the most recent ODBC, ACCESS, active server pages, etc.