

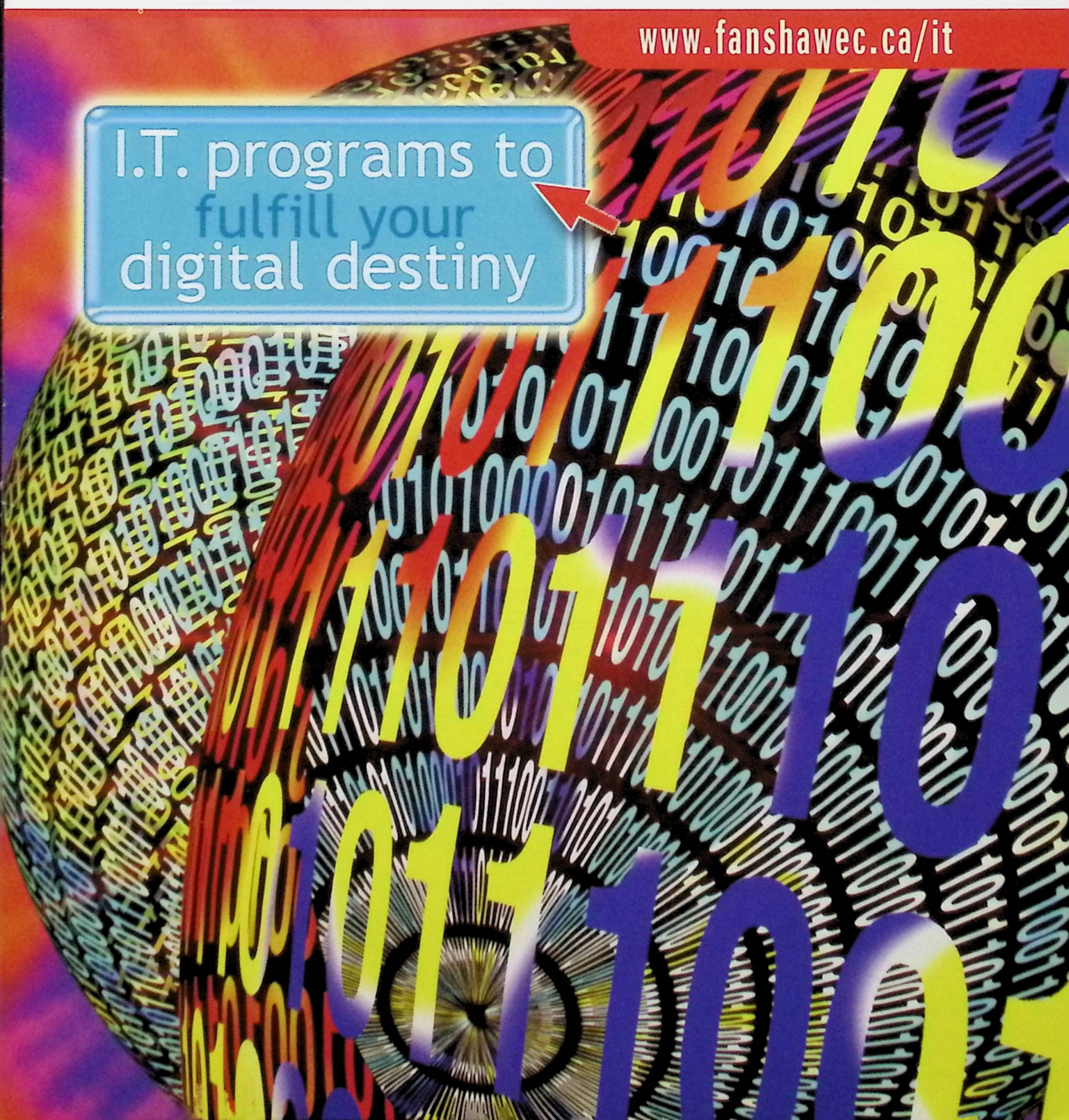



FANSHAWE  
COLLEGE

# Computer and Information Technology

[www.fanshawec.ca/it](http://www.fanshawec.ca/it)

I.T. programs to  
fulfill your  
digital destiny





# Point and click to your digital destiny



## Make the world work better, faster and smarter

Rewarding, challenging and lucrative computer-related jobs in virtually all economic sectors in Canada and around the world are waiting for you! Whether you see yourself working close to home, or close to the edge, Fanshawe College will give you the knowledge and skills you need for a career in information technology (IT) that can take you where you want to go.

Sector experts are forecasting a growing demand for IT workers in Canada in the coming years as retirements increase and fewer workers enter the field. By starting your education in IT now, you will be prepared to enter the workforce when demand is high.

Whether your interests lie in software/database development, network design/administration, e-commerce development or help desk support, Fanshawe College offers a program to help you achieve your education and career goals.

## Women in technology

Did you know that only 20% of the IT workforce is female? As one of seven Canadian educational participants in IBM's Women in Technology program, Fanshawe is dedicated to increasing the number of women in IT education and careers. Fanshawe professors and students work together in this program which includes hands-on workshops for girls from kindergarten to grade 12.



## Supported learning

Your success at Fanshawe is our top priority. We know what it takes to stay on top and ahead of the game, and if you need assistance, we've got it! In addition to our professors, Fanshawe's IT Division has a highly qualified support staff including a dedicated Student Success Advisor, a student classroom technical assistant and peer tutors who provide support and help when needed.

## CONNECT mobile computing

Graduates of a Fanshawe CONNECT IT program will enter the workforce fully prepared for the future, thanks to our collaborative and interactive learning model, where students learn by doing. All IT students are required to equip themselves with a laptop computer, allowing them to communicate with professors, access lecture notes and course information, and submit assignments and projects online. Students also expand their learning through online and face-to-face collaboration with other students and professors.



Laptop activities and project-based learning will simulate real workplace environments whenever possible, helping you to develop more marketable skills. Fanshawe has partnered with industry giants including IBM, Nortel, CISCO, Microsoft and Computer Associates to ensure that what you learn is industry standard. For more information on the Fanshawe CONNECT program and laptop requirements, please visit our website at <http://infotech.fanshawec.ca>.

## Gain experience while you learn

All of Fanshawe's IT programs offer you the opportunity to gain valuable workplace experience while you study. Our two-year programs include a field placement that allows students to practice their skills outside of the classroom. The three-year programs include cooperative education—a series of paid work terms that provide practical experience in business and help build important contacts. As well, students with demonstrated financial need may be provided with on-campus work opportunities through Fanshawe's work study program.

## Taking lessons from the lab and life

Although mastering technology will be a focus while you are at Fanshawe, you will also learn other important skills that will enhance your employability and career success:

- Most class projects and lab work simulate real-life scenarios. As you complete them, you will build a portfolio that showcases your talents.
- Working cooperatively with classmates to solve problems, you will improve your teamwork, communication and negotiation skills, and develop a positive attitude, responsibility, and adaptability; all superb preparation for career success in computer and information technology.
- In addition to your college diploma, Fanshawe will prepare you for industry certifications.
- Through professional development courses, you will learn the soft skills that are in demand in technology workplaces.

## Practical skills for a practical world

Fanshawe College is your best choice for computer and information technology training. We will guide you as you develop the skills—both technical and interpersonal—to get the job, excel in your work and advance your career.



# Creative



Please visit [www.fanshawec.ca/new](http://www.fanshawec.ca/new) for a list of new and emerging programs.

## Computer Applications Support

*(1-year Ontario College Certificate, Tillsonburg)*

Is it your goal to be a Microsoft Office Specialist (MOS) certified at the Expert Level? Investing one year of your time to earn this certification will open many doors into business and industry. In this program you'll develop proficiency in Microsoft Excel, Word, Access, PowerPoint and Outlook as well as get an introduction to Web page design with FrontPage 2000. You will also be exposed to hardware, operating systems and network technologies, enabling you to do basic trouble-shooting and to assist in an IT department.

As a computer applications support specialist you will be capable of providing end-user guidance and creating effective, user-friendly instruction materials. Many graduates join Information Systems departments as help desk advisors, data processing assistants, in-house computer software trainers or computer operators.

## Computer Programmer

*(2-year Ontario College Diploma, laptop required, London)*

This program is a solid choice if you are looking for training in all the major areas of IT, with a focus on business applications. Computer programmers are involved in developing software and web applications, administering databases, and programming conversions. At Fanshawe, you will learn to create business applications using current programming languages in conjunction with database design and development methods. We will teach you how to integrate your programming and database skills using development tools including the MS.NET framework, SQL Server, as well as several Java environments.

Graduates from this program have found exciting careers as programmers, business analysts, database administrators, and support specialists.

## Computer Programmer Analyst



*(3-year Ontario College Advanced Diploma, co-op, laptop required, London)*

With your strong math and language skills, you will be in a good position to tackle the exciting challenges presented in the Computer Programmer Analyst program. In-depth training in specific areas of commercial software development will include an emphasis on C++. You will learn to work in multi-tiered web development, Java, C#, Oracle, and Linux, and you will have the chance to design and develop business applications, databases and games/simulations using DirectX and C++.

Computer Programmer Analysts are involved in entertainment and gaming, simulations, medical imaging, network software, and Linux and Windows development. Graduates from Fanshawe's Computer Programmer Analyst program have found stimulating careers as programmers, software architects, and database developers.

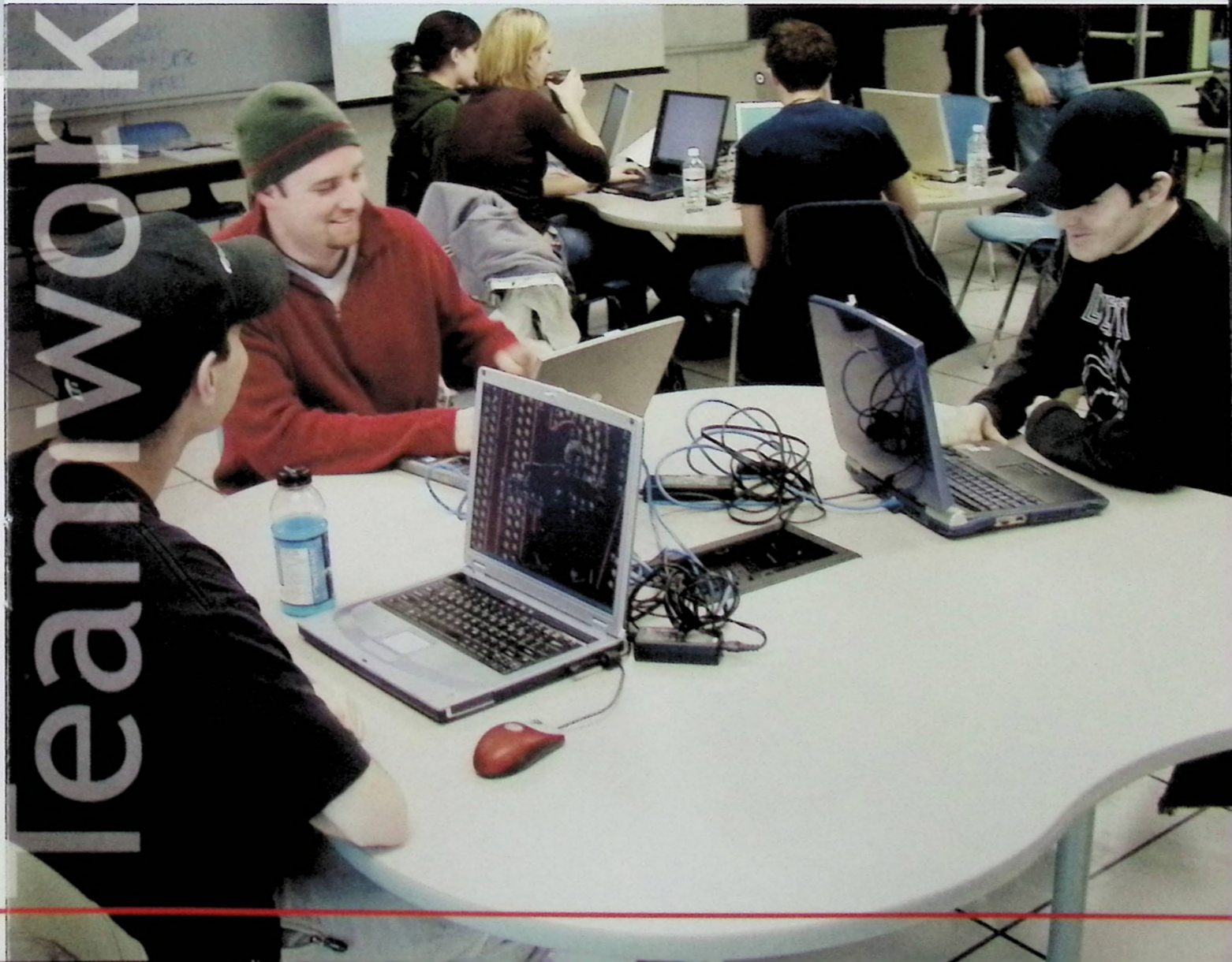
## Computer Systems Technician



*(2-year Ontario College Diploma, laptop required, London)*

Put your interest in computers to work by enrolling in Fanshawe's Computer Systems Technician program. You will experience hands-on instruction in PC microcomputing, system maintenance, networking, security concepts, and server based technologies. You will also install and configure Nortel and Cisco network equipment and work with both Microsoft and UNIX/LINUX operating systems as you develop the team and interpersonal skills required for industry positions.

Upon completion of this program, graduates are prepared for the following industry certifications: Cisco Certified Network Associate (CCNA), Microsoft Certified Administrator (MCSA), as well as CompTIA's Network +, Security + and A+. Careers include technical support, networking installation and administration and PC/LAN user support.





## Computer Systems Technology



*(3-year Ontario College  
Advanced Diploma, co-op, laptop required,  
London)*

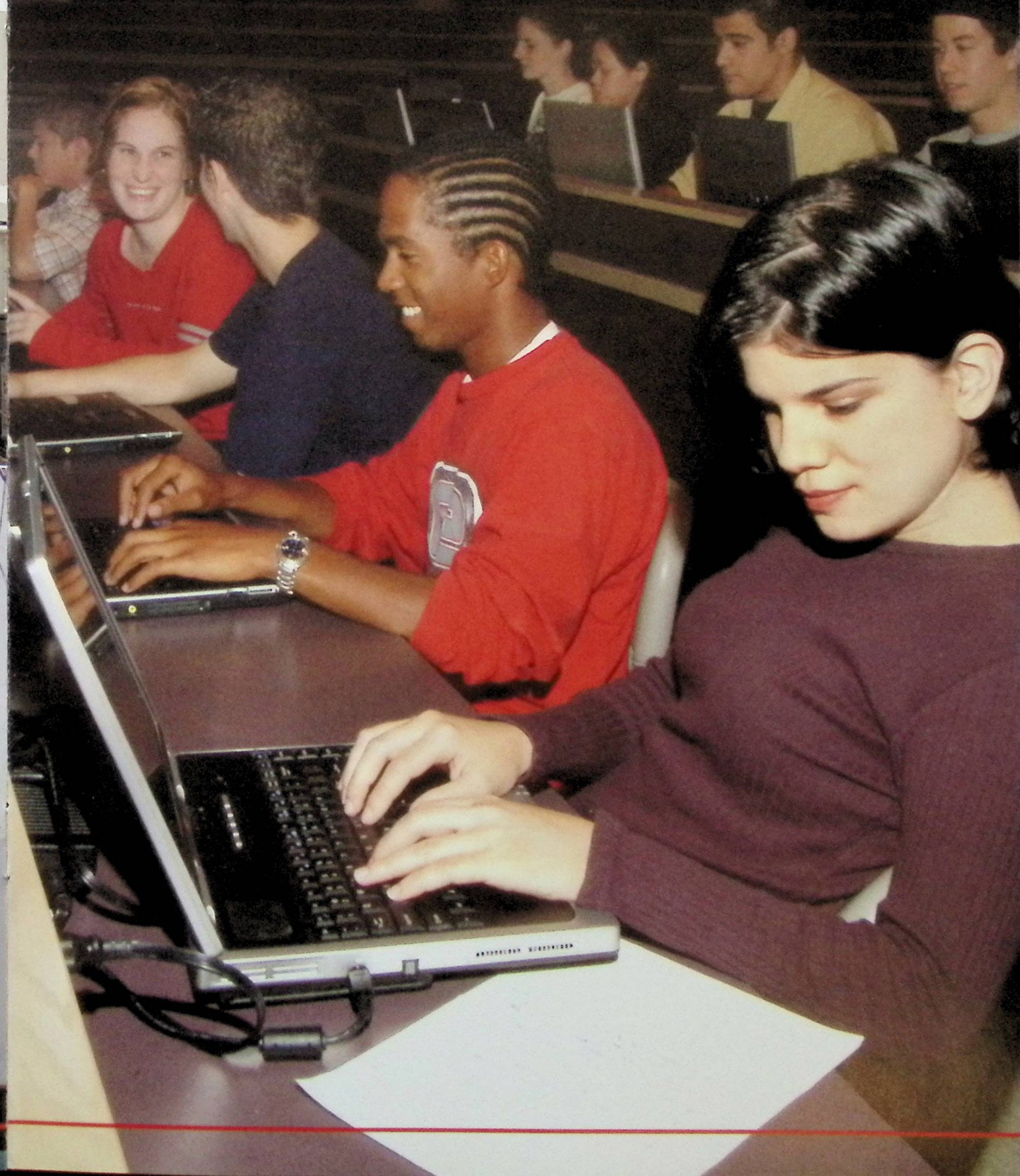
If you are looking for advanced training that will allow you to work at the forefront of emerging technologies, this program is for you. As a Computer Systems Technologist, you will receive comprehensive training in the installation, troubleshooting and maintenance of microcomputers and servers.

At Fanshawe, you will master the concepts required for effective network administration and design, including the installation and configuration of Nortel and Cisco equipment (routers, switches, firewalls). You will complete detailed studies of Microsoft and UNIX/LINUX operating systems as well as database and mail servers and you will explore communication protocols required for security and web support. Our emphasis on interactive group learning will help you sharpen the interpersonal skills required to succeed in the workplace.

Upon completion of this program, graduates are prepared for the following industry certifications: Cisco Certified Network Professional (CCNP), Cisco Certified Network Associate (CCNA), Microsoft Certified Systems Engineer (MCSE), as well as CompTIA's Network +, Security + and A+. Our graduates find work as system managers, network administrators, technical support specialists, security specialists and team leaders.

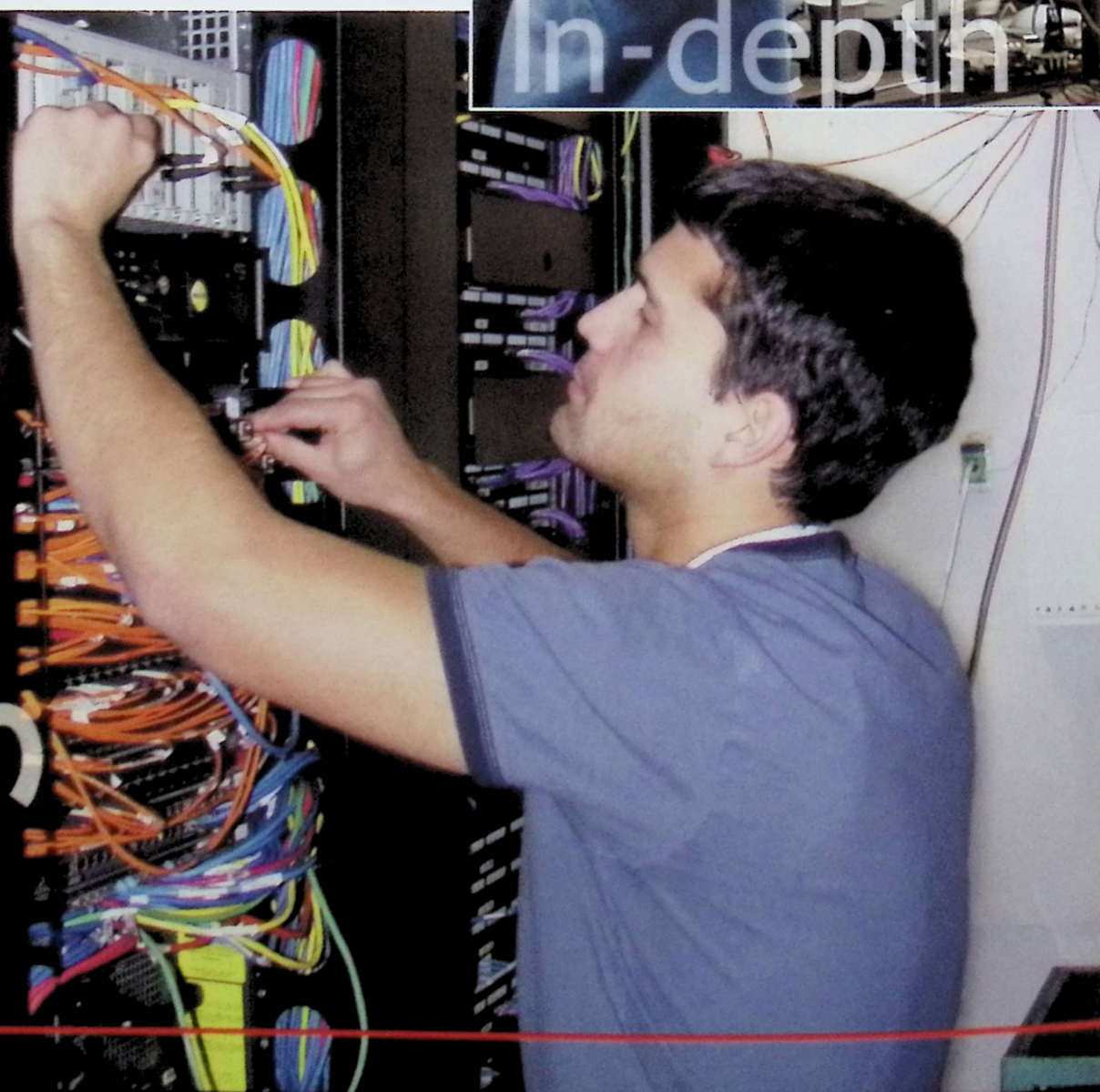


In-depth



# Fast-paced

High-tech





Fanshawe College offers more than 100 post-secondary programs. In addition to this booklet, we also produce a program guide which includes every program offered at Fanshawe. For start dates, campus and program codes, admission requirements, tuition fees, related expenses, financial assistance, applying for a program and more, please see our program guide, or call 519-452-4277 or visit [www.fanshawec.ca](http://www.fanshawec.ca) where you can try our "ASKFanshawe" service.

Art and Design	Applied Sciences	Manufacturing and Mechanical Technology
Building Technology	Health Sciences	Media and Communication Arts
Business Studies	Human and Community Services	Computer and Information Technology
Electrical/Electronics	Tourism and Hospitality	Transportation and Motive Power
Preparatory Programs	Degree and Graduate Programs	Apprenticeship Programs

## Why choose Fanshawe?

- Fanshawe is one of the top colleges in Ontario with over 91% of our graduates finding employment within 6 months of graduation.
- Employers around the world – and right here in Canada – recognize our graduates as being well-prepared in their chosen field.
- Fanshawe has more co-op programs than any other college in Canada.
- The College has excellent facilities including new buildings, classrooms, labs, and in London, gymnasiums and residences as well.
- Fanshawe offers career counselling and job search assistance to launch your career.
- There are excellent services for students with physical or learning needs.
- Fanshawe has a number of articulation agreements with universities in Canada, the U.S.A. and Australia, where your diploma is recognized with advanced standing admission and/or university credit towards a degree.

*This publication is available, upon request, in alternative formats for people with disabilities. Please contact the Fanshawe College Counselling and Student Life Services Office, (519) 452-4282.*

*The information in this brochure is for programs starting in fall 2005, winter 2006 or summer 2006. Programs are subject to change without notice.*



**FANSHAWE  
COLLEGE**

*Community Driven ...  
Student Focused*

### Fanshawe's Major Campuses:

#### London Campus

1460 Oxford Street, East  
P.O. Box 7005  
London, Ontario  
N5Y 5R6  
Tel: (519) 452-4277

#### James N. Allan Campus

634 Ireland Road, P.O. Box 10  
Simcoe, Ontario  
N3Y 4K8  
Tel: (519) 426-8260

#### St. Thomas/Elgin Campus

120 Bill Martyn Parkway  
St. Thomas, Ontario  
N5R 6A7  
Tel: (519) 633-2030

#### Woodstock Campus

369 Finkle Street  
Woodstock, Ontario  
N4V 1A3  
Tel: (519) 421-0144

**? ASKFanshawe**

Want More Information?

Visit [www.fanshawec.ca](http://www.fanshawec.ca)  
and select "ASKFanshawe"  
to ask a question.