

COMPUTER SYSTEMS PART-TIME



Spring · Summer Term
Starts April 12, 1999

**The world
is learning.
Keep up.**

REGISTER NOW
(604) 434-1610
or 412-7777
www.bcit.bc.ca

**Check out
our NEW six a.m.
Early Bird courses
at the Downtown
campus!**

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Registration

The Mission of BCIT is to provide British Columbians with world-class, job-ready skills for career success. In order to maintain our commitment to quality of education and meet the needs of industry, BCIT's **Computer Systems Technology, Part-time Studies (CST/PTS)** has many pathways for student success that offer an exciting future.

If you need to be able to use computers in order to receive a promotion, or to retrain for a current position, CST/PTS has many options. We offer several certificates that are available through part-time studies, some of which may be completed within two years.

There are certificates that are designed for the first-time computer user, as well as for the experienced computer professional.

We aim to provide confidence and build competence in technology. Some individual credit courses are as short as six-weeks, with most being 12 weeks in length. New courses are added frequently and existing courses are modified or deleted in accordance with market trends in the industry. We also have industry driven special programs that actually run full time from six months to a year. The Bachelor of Technology in Computer Systems degree is available for graduate students.

Most of our courses are offered in the evening or on weekends, with some courses offered in the day. Applicants can apply to our programs at various times throughout the year. We even have new **Early Bird** course offerings downtown starting at six a.m., for people who like to get a head start on their day.

We hope that you find the information in this flyer useful and we urge you to register early. You may do so in person, by phone and you may even register on-line, via the Internet.



Part-time Studies Registration Form

BCIT Registration and Information Department: 3700 Willingdon Avenue Burnaby, B.C. V5G 3H2
Tel. (604) 434-1610, Fax (604) 430-1331

BCIT STUDENT NUMBER

A student number may already have been issued to you, if you have previously been a BCIT student or have contacted BCIT for program information. You would find this number at the bottom of any correspondence from Registration and Information Dept. or the Registrar's Office.

If known, please enter that number here _____

If this number is not known, please check this box and a number will be assigned to you.

To avoid duplication of our records, please enter your sex and birthdate in the spaces provided below.

Birthdate: _____ Sex: male female
(day month year)

SOCIAL INSURANCE NUMBER (for tax purposes only)

Last Name (family name) _____

Legal First Name _____

Middle Name _____

Previous Last Name (e.g. Maiden Name) _____

MAILING ADDRESS INFORMATION - All official BCIT correspondence will be mailed to this address. Notify the Registration and Information Dept. of any change.

Street/Box No. _____

Town/City _____ Province _____

Country _____ Postal Code _____

Home Phone _____ Work Phone _____

Employer name/address _____

Course Number	Course Ref. Number (CRN)	Course Title	Course Cost(s)		Start Date			Site
			Fee	Book Fee	DD	MM	YY	
Textbooks: <input type="checkbox"/> Yes <input type="checkbox"/> No (for Correspondence use only)			TOTAL FEES		+	=		

You can pay by cash, cheque, money order, VISA, MasterCard or American Express. The debit card is accepted at all campuses except Surrey. A service charge for any NSF or returned cheque will be assessed.

Card Number _____ Expiry Date _____

VISA MasterCard American Express

full fees paid by you full fees paid by employer (approval attached) special arrangement (approval attached)

Your citizenship status is: Landed Immigrant/Permanent Resident Student Authorization

Canadian Citizen Other (please specify) Country of Citizenship if not Canada: _____

I declare that the information on this application is correct and complete. I acknowledge BCIT's right to cancel this application if the information contained in it has been misrepresented.

If I am admitted to BCIT, I agree to abide by its policies and regulations. If granted an award, I authorize the Student Awards and Financial Aid Office to release pertinent information to the donor of the award and provincial funding bodies.

Signature _____ Dated _____

Register Early - BCIT's new cancellation policy will provide five business days notice of a course being cancelled. Please register early to try to avoid cancellation of courses.

COURSE REGISTRATION FIVE WAYS TO REGISTER

1. ON-LINE
From the BCIT homepage, www.bcit.bc.ca, follow the Admissions/Registration link and you'll connect to the on-line form. Your registration will be confirmed via e-mail.

2. BY FAX
If registering by fax, payment for the part-time course(s) must be made by Visa, MasterCard or American Express. Your credit card number and expiry date must be included on the faxed registration form in order for your registration to be processed.
BURNABY (604) 430-1331
DOWNTOWN (604) 687-2488

3. BY PHONE
REGISTRATION BY PHONE IS AVAILABLE!
If registering by phone, payment for the part-time course(s) must be made by Visa, MasterCard or American Express.
Note: During peak periods you may experience lengthy delays.
BURNABY (604) 434-1610
DOWNTOWN (604) 412-7777

4. IN PERSON
Note: The following hours of Registration are subject to change please see page 2 for hours.

BURNABY CAMPUS
3700 Willingdon Avenue
Monday to Thursday 0830-1900
Friday 0830-1630
Saturday 0830-1230
Closed Saturday on Holiday Weekends

DOWNTOWN CAMPUS
555 Seymour Street, Vancouver
Regular Office Hours:
Monday to Thursday 0830-1800
Friday 0830-1630
Saturday Closed

***PRINCESS MARGARET SENIOR SECONDARY**
128th Street & 72nd Avenue, Surrey
Regular Office Hours:
Note: Closed during July and August.
Monday to Thursday 0900-2030
Friday 0900-1200
Saturday Closed

***Note:** Registration and enquiries take place at Princess Margaret Senior Secondary, while classes are delivered at Tamanawis Senior Secondary.

5. BY MAIL
Complete the registration form and include your signature at the bottom. Clip the form out and mail to:

Part-time Studies
BCIT Registration and Information
3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2

OR
BCIT Downtown Campus
555 Seymour Street, Vancouver, B.C. V6B 3H6



BACHELOR OF TECHNOLOGY IN COMPUTER SYSTEMS (604) 432-8459

Computer Systems Technology offers a Bachelor of Technology in Computer Systems. The program is designed for:

- graduates of two-year diploma programs in Computer Systems;
- computer professionals wishing to acquire advanced formal qualifications;
- degree holders in other disciplines engaging in a career change into the computer industry.

For registration, or for more information, please contact:
Robertta Pajunen
Tel. (604) 432-8459 Fax. (604) 432-9572
e-mail rpajunen@bcit.bc.ca

* Please note that three of these courses also start in the afternoon.

COMP 2653 BBY \$1210 COMP SYS TECH FOUNDATION 1

This intensive course is intended for applicants to the Bachelor of Technology degree program in Computer Systems who need COMP 2425 (C Programming Language 1), COMP 2605 (Data Communications Concepts 1), COMP 2610 (Exploring Technical Aspects), and COMP 1615 (Computer Systems Introduction 1) as foundation courses prior to entry into the program. A combination of lectures, assigned reading and lab assignments are used to cover the material. Prerequisite: COMP 1450 or COMP 1457 or permission of program head or instructor.

Apr 12 Mon 1845-2145 12 wks BBY CRN 24894

COMP 3663 BBY \$1310 COMP SYS TECH FOUNDATION 3

This intensive course is intended for applicants to the Bachelor of Technology degree program in Computer Systems who need COMP 3475 (C++ for Object-Oriented Programming), COMP 2615 (Computer Systems Introduction 2), COMP 3615 (Computer Systems Introduction 3), COMP 3635 (CASE Technology), and COMP 3710 (Relational Database Systems) as foundation courses prior to entry into the program. A combination of lectures, assigned reading and lab assignments are used to cover the material. Prerequisite: COMP 2653 or permission of program head or instructor.

Apr 14 Wed 1845-2145 12 wks BBY CRN 27589

COMP 7005 BBY \$380 DATA COMMUNICATION PRINCIPLES

Covers topics beyond those covered in COMP 3605 and applies theoretical material to the design and development of communication applications. Presents a broad range of topics needed to apply the principles of data communications. The student acquires a thorough understanding of communications hardware and its interface to communications software. Prerequisite: COMP 3605 and admission to the Bachelor of Technology program or permission of the program head.

Apr 12 Mon 1730-2100 12 wks BBY CRN 26034

COMP 7071 DTC \$378.30 DATABASE DESIGN

Focuses on two major aspects of data base design: 1) Logical data modeling; and 2) Relational data base design and optimization. Prerequisite: COMP 3710 and admission to the Bachelor of Technology program or permission of the program head.

Apr 15 Thr 1800-2130 12 wks DTC CRN 26035

COMP 7081 BBY \$380 TECHNICAL ISSUES IN SOFTWARE DEVELOPMENT

Presents an overview of technical issues in software development. Addresses major activities and techniques in developing software and the resulting documentation and outputs produced. Presents only selected approaches with emphasis on overall understanding of software development and uses a case study. Prerequisite: Admission to the Bachelor of Technology program or permission of the program head.

Apr 12 Mon 1830-2200 12 wks BBY CRN 24897
Apr 13 Tue 1400-1730 12 wks BBY 27590

COMP 7615 BBY \$380 SELECTED TOPICS IN COMPUTER SYSTEMS

Focuses on software development issues for multimedia applications. This course introduces students to industrial strength multimedia application software, as well as creating plug-ins to enhance the capability of the base software system. Prerequisite: COMP 7081 and admission to the Bachelor of Technology program or permission of the program head.

Apr 15 Thr 1830-2200 12 wks BBY CRN 27592

COMP 7881 BBY \$380 ADVANCED TOPICS IN SOFTWARE ENGINEERING

Provides technical professionals with fundamental knowledge, skills and training of SOFTWARE QUALITY planning, process, standards, tools, audits, engineering techniques, life cycles, project/configuration/risk management, metrics and related issues. Designed to improve your job performance and the quality of your company's software products. Prerequisite: COMP 7081 and acceptance into the Bachelor of Technology in Computer Systems, or permission of program head or instructor.

Apr 15 Thr 1400-1730 12 wks BBY CRN 27594

COMP 8005 BBY \$380 DATA COMMUNICATIONS APPLICATIONS

Covers Communication protocols, reference models and case studies of transmission protocols. Examines higher layers in the OSI reference model. Includes Inter-networks: naming issues, multicast/broadcast in the inter-network; Local networks: multiple-access and ring architectures; implementation aspects: modularity and efficiency in the implementation of protocols, case studies. Introduces client-server models. Prerequisite: COMP 7005, or permission of instructor and program head.

Apr 13 Tue 1730-2100 12 wks BBY CRN 27603

COMP 8061 BBY \$380 DISTRIBUTED SYSTEMS APPLICATIONS

Focuses on Client-Server based systems and Distributed Systems that include data base servers. Students develop in-depth knowledge and understanding of principles, architectures, issues and future directions of Client-Server based data base systems. Paradigms include E-SQL, JDBC, ODBC, and Microsoft's DB-ADO will be analyzed and evaluated. Emphasis will be hands on experience through lab exercises and using servers such as Oracle, SQL Server, Informix and Gemstone. Prerequisite: Diploma of Tech in Computer Systems (or equivalent) or permission of instructor and program head.

Apr 13 Tue 1830-2200 12 wks BBY CRN 27604

COMP 8081 BBY \$380 MANAGEMENT ISSUES IN SOFTWARE ENGINEERING

Presents topics important to managing software development projects. Concentrates on understanding and applying state-of-the-art management techniques to improve software productivity. Emphasizes management issues: project leadership, communication, critical thinking and problem solving skills. Prerequisite: COMP 7081 (or COMP 7655) or permission of instructor and program head.

Apr 14 Wed 1830-2200 12 wks BBY CRN 25996
Apr 15 Thr 1400-1730 12 wks BBY 27596

COMP 8505 BBY \$380 SELECTED TOPICS IN DATA COMMUNICATIONS

Conducts an in-depth study of specific and highly specialized areas in Data Communications. Develops a substantial project in the selected area, and produces an application or project report or both upon completion. Prerequisite: COMP 8005, or COMP 7651, or permission of instructor and program head.

Apr 15 Thr 1730-2100 12 wks BBY CRN 25997

COMP 8511 BBY \$380 SELECTED TOPICS COMPUTER GRAPHICS

Explains image processing (sizing, contrast stretching, filtering, transforming), then the use of JAVA in Computer Animation. Student projects include the topics Morphing, Computer Animation (with VERTIGO), Fractals, Stereograms, Particle Systems, Wavelets, Ray Tracing, Radiosity Models, etc. Prerequisite: COMP 8011 (or COMP 7840), or permission of instructor and program head.

Apr 12 Mon 1730-2100 12 wks BBY CRN 24900

COMP 8571 BBY \$380 SELECTED TOPICS IN DATA BASE

Discusses emerging object-oriented data base technology, object-oriented design and development, data base systems, data administration, data dictionary systems, data access standards for client/server and distributed data base systems. Prerequisite: COMP 8071 (or COMP 7660), or permission of instructor and program head.

Apr 14 Wed 1730-2100 12 wks BBY CRN 25998

PART-TIME STUDIES CERTIFICATES

All certificates must be approved by Program Advising. To make an appointment with a Program Advisor, please call 434-1610.

ASSOCIATE CERTIFICATE IN OFFICE COMPUTER SKILLS

This Associate Certificate is offered to the first-time computer user who needs to be able to use computers in order to receive promotion, or to retain a current position upon successful completion of the program. The aim is to provide confidence and transform a novice into a competent user capable of using popular productivity tools in an office environment. Courses are 6 weeks long.

New courses may be added and existing courses may be modified or deleted in accordance with the market trend in the industry. A minimum of 12 courses and a minimum of 18 credits chosen from Mandatory and Electives lists and must be successfully completed within 5 years. The program must contain each of the complete application sections Word Processing, spreadsheets, and database) as well as the other applications. The courses chosen from the list of Electives must be approved by a Program Advisor. If you have never used a computer, COMP 0001 COMPUTING FOR THE TIMID must be completed first.

BASIC COURSE CLUSTER

Before taking courses in any of the following Associate Certificate Programs or the Certificate of Technology Program, you should take the following courses or have equivalent experience in each course. Where you have never before used a computer, COMP 0001 COMPUTING FOR THE TIMID should be completed first.

Mandatory Courses	Credit
COMP 1001 Understanding PC/MS DOS	1.5
COMP 1007 Understanding Windows 95	1.5
COMP 1010 Word Processing Concepts	1.0
COMP 1015 Spreadsheet Concepts	1.0
COMP 1020 Micro Database Concepts	1.0

ASSOCIATE CERTIFICATE IN INTRODUCTORY PROGRAMMING

This program is designed for people working in or seeking employment in the Data Processing Industry. Holders of this certificate will qualify for work as junior programmers. The program consists of 7 courses (a minimum of 21 credits) of which 5 may be chosen from the Electives: Computer list. If you have not achieved an Associate Certificate in Office Computer Skills, an application course may be substituted for one elective programming course. It is permissible to take both COMP 1405 and COMP 1410. The program must be submitted to a Program Advisor for approval.

Prerequisite: Basic Course Cluster or Associate Certificate in Office Computer Skills, or equivalent experience.

ASSOCIATE CERTIFICATE IN INTRODUCTORY COMPUTER INFORMATION SYSTEMS

This program is designed for those who are working in or seeking employment in the Data Processing Industry in the Systems Analyst or General Business area. The program consists of 7 courses (a minimum of 21 credits) of which 3 must be non-computer courses that may be selected from the Electives: Business (non-computer) list. The program must be submitted to a Program Advisor for approval.

Prerequisite: Basic Course Cluster or Associate Certificate in Office Computer Skills, or equivalent experience, plus COMP 1401.

Courses from the School of Engineering Technology may be selected instead, with approval of the program advisor. In selecting electives, you are advised refer to the BCIT Web site or this brochure to determine the courses you feel would be appropriate for your certificate programs.

CERTIFICATE OF TECHNOLOGY

This certificate may be granted upon completion of certain courses, plus 5 courses that may be chosen from a list of Electives. Some substitutions may be allowed depending on the intention for this Certificate. The program (a minimum of 86 credits) must be submitted to a Program Advisor for approval.

ASSOCIATE CERTIFICATE FOR LOCAL AREA ADMINISTRATION SPECIALIST

This program is designed for those who are working in or seeking employment to install, run and administer a Local Area Network. The program consists of 7 courses (21 credits) of which the 5 printed in bold and the application for Certification must be completed within a 2-year period. The program must be submitted to a Program Advisor for approval.

Prerequisite: All course prerequisites, as published.

Mandatory Courses

Credit		
COMP 2605	Data Communications Concepts 1	3.0
COMP 2665	Local Area Network Theory	3.0
COMP 2630	Novell NetWare	3.0
COMP 3605	Data Communications Concepts 2	3.0
COMP 3640	Operating Systems Concepts	3.0
COMP 3665	Advanced Network Design	3.0
COMP 4666	LAN Internetworking	3.0

DIPLOMA

The prerequisite of the Diploma Program is successful completion of the Certificate of Technology, or equivalent. The Diploma may be granted upon completion of an approved program usually consisting of 15 high level courses. Those who wish to apply for this program should select the courses that would likely be accepted, then make an appointment with a Program Advisor for approval.

CERTIFICATE IN COMPUTER SYSTEMS FOUNDATIONS

This certificate is designed for those who would like to obtain a comprehensive understanding of the computer technologies fundamental core areas including programming languages, systems development, computer architecture and operating systems, computer communication, and database. Students will learn skills for entry level programming jobs upon completion of this program.

This program consists of the 3 foundation courses (COMP 2653, COMP 3653 and COMP 3663) or acceptable equivalents.

ASSOCIATE CERTIFICATE IN JUST JAVA

This program is designed for current programmers seeking to upgrade their skills to include Java programming. The program consists of 5 core courses of 3 credits each and 2 of the elective courses of 3 credits each for a total of 21 credits.

PREREQUISITE EXEMPTIONS

If you wish to apply for an exemption from a required prerequisite you must either:

- Submit sufficient documentation to a Program Advisor, at least six weeks prior to registration. Documentation should include official transcripts and course outlines or a letter from your employer outlining present job duties and functions, or
- Contact the PLA (Prior Learning Assessment) advisor. Telephone: 412-7489

REGISTER EARLY!

BCIT's new cancellation policy will provide five business days notice of a course being cancelled. Please register early to try to avoid cancellation of courses.



COMPUTER SYSTEMS (604) 451-6978 (24HRS)

NOTE: Most courses require that texts or supplies be purchased during the first session of the course. Course Fees do not normally include texts or supplies. Software purchase may be required in some courses. It is the responsibility of the student to ensure that all pre-requisites have been completed before registering for a course.

COMPUTER BASICS

EARLY BIRD

COMP 0001 BBY \$114 DTC \$112.30

COMPUTING FOR THE TIMID
Introduces the computer to those who have never used one and are afraid to. Prerequisite: None.

Apr 12	Mon	1845-2145	4 wks	BBY	20304
Apr 14	Wed*	0600-0900	4 wks	DTC	27598
Apr 17	Sat	0900-1600	2 wks	BBY	20306
Apr 18	Sun	0900-1600	2 wks	DTC	20307
May 10	Mon	1845-2145	4 wks	BBY	20305
Jun 14	Mon	1845-2145	4 wks	BBY	20308

This course is also available in Distance format for \$ 109. Please see the Correspondence Courses section details.

Apr 12	Distance		18 wks	DIS	CRN	22951
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COMP 1001 BBY \$161

UNDERSTANDING PC/MS DOS
Provides an in-depth knowledge of the PC/MS Disk Operating System (DOS) to those who feel they know little about a PC. Prerequisite: COMP 0001 or equivalent.

Apr 12	Mon	1845-2145	6 wks	BBY	CRN	20221
Apr 13	Tue	1845-2145	6 wks	BBY		20224
May 25	Tue	1845-2145	6 wks	BBY		20225
May 31	Mon	1845-2145	6 wks	BBY		20222

EARLY BIRD

COMP 1007 BBY \$356 DTC \$354.30

UNDERSTANDING WINDOWS 95
Introduces the new Windows 95 interface and covers basic and beyond basic tasks. Covers the Start menu, taskbar and explorer. Uses the Control Panel to change the Systems settings for the way Windows looks and works. Topics include organizing files and folders, and working within documents and printing from Windows. Prerequisite: COMP 0001.

Apr 12	Mon	1730-2030	6 wks	DTC	CRN	27605
Apr 15	Thr*	0600-0900	6 wks	DTC		27606
Apr 15	Thr	1845-2145	6 wks	BBY		23523
May 1	Sat	0900-1600	3 wks	BBY		25992
May 2	Sun	0900-1600	3 wks	DTC		26027
May 27	Thr	1845-2145	6 wks	BBY		23522
May 31	Mon	1730-2030	6 wks	DTC		26133

COMP 1010 BBY \$114 DTC \$112.30

WORD PROCESSING CONCEPTS
Introduces the beginner-level student to the basic concepts of word processing using a microcomputer. Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 12	Mon	1845-2145	4 wks	BBY	CRN	20236
May 22	Sat	0900-1600	2 wks	BBY		20238
May 23	Sun	0900-1600	2 wks	DTC		20239

COMP 1015 BBY \$114 DTC \$112.30

SPREADSHEET CONCEPTS
Introduces the beginner-level student to the basic concepts of spreadsheets by using a microcomputer. Prerequisite: COMP 1006 or 1007 or equivalent.

May 10	Mon	1845-2145	4 wks	BBY	CRN	20242
Jun 5	Sat	0900-1600	2 wks	BBY		20240
Jun 6	Sun	0900-1600	2 wks	DTC		20243

COMP 1020 BBY \$114 DTC \$112.30

MICRO DATABASE CONCEPTS
Introduces the beginner-level student to the basic concepts of microcomputer databases using a popular data base package. Prerequisite: COMP 1006 or 1007 or equivalent.

Jun 14	Mon	1845-2145	4 wks	BBY	CRN	20244
Jun 19	Sat	0900-1600	2 wks	BBY		20246
Jun 20	Sun	0900-1600	2 wks	DTC		20247

COMP 1022 DTC \$354.30

WORKING WITH NT WORKSTATION
Provides a working knowledge of Windows NT Workstation for persons who have basic knowledge of PC's and previous users of NT Workstation 3.51. Reviews common features Windows NT Desktop, NT Explorer, disk management and Explores NT Workstation file systems, some administrative tools, Control Panel options and OLE using the Wordpad applet. This course is for end-users and does not include networking, system administration, RAS, User Manager or NT Server functions. Prerequisite: COMP 0001.

Apr 12	Mon	1800-2100	6 wks	DTC	CRN	26028
Apr 13	Tue	1800-2100	6 wks	DTC		24902
May 31	Mon	1800-2100	6 wks	DTC		26471

COMP 1023 DTC \$354.30

WINDOWS NT WORKSTATION COMMUNICATION
Explores using the NT Workstation for Internet. Configures protocols and binding, remote access services, and Internet/Web services. Measures performance of network functions. Explores the collecting, presenting and of filtering performance data. Prerequisite: COMP 0401 and COMP 1022.

Apr 17	Sat	0900-1200	6 wks	DTC	CRN	24903
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COMP 1024 DTC \$354.30

(WINDOWS) NT WORKSTATION ADMINISTRATION
Follow-up course to COMP 1022. Addresses more advanced topics such as user accounts, security policies and granting of user rights. Investigates the User Manager for Windows NT Workstation. Addresses directory and file permissions, works with the registry and system policy editor. This course is for end-users and does not include Internet or NT Server related functions. Prerequisites: Comp 0401 and COMP 1022.

May 25	Tue	1800-2100	6 wks	DTC	CRN	27607
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EARLY BIRD

COMP 1104 DTC \$398.30

INTRODUCTION TO COMPUTING
Uses lectures and practical exercises to present topics on computer terminology, hardware, software, the Disk Operating System (DOS), a word processing package and a spreadsheet package. Prerequisite: none.

Apr 12	Mon*	0600-0900	14 wks	DTC	CRN	27608
Apr 14	Wed	0900-1200	14 wks	DTC		22759

OFFICE EFFICIENCY AND SKILLS

The following workshops are tailored for those who like to increase their efficiency in their day to day tasks. Participants will gain a working knowledge of applications in a short period of time. Those wishing to obtain BCIT credit for these courses will have an option to write an exam for an additional fee. Please note that unless you have a good prior knowledge of the material covered, we recommend that you leave some time between the two levels of courses.

For more information on the Office Efficiency and Skills seminars and workshops, phone (604) 451-7193.

COMP 0031 BBY \$180

EXPLORING YOUR PC
A one-day workshop. Presents participants with a working knowledge of the hardware and software in their PC. Provides an opportunity to look inside the PC and become familiar with all the components and how they inter-relate. Basic set-up configurations will be explored. Prerequisite: None.

May 29	Sat	0900-1700	1 day	BBY	CRN	25991
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COMP 0261 DTC \$180

EXCEL FOR WINDOWS 95 LEVEL 1
Intensive one-day seminar. Covers fundamental principals required to produce worksheets and workbooks. Includes using formulae and built-in functions, editing and formatting, custom numeric and date formatting, printing, password protection, and special techniques to increase efficiency. Prerequisite: Working knowledge of Windows 3.11 or Windows 95.

Apr 14	Wed	0900-1700	1 day	DTC	CRN	26000
May 10	Mon	0900-1700	1 day	DTC		26001
Jun 10	Thr	0900-1700	1 day	DTC		26002

COMP 0264 DTC \$180

EXCEL FOR WINDOWS 95 LEVEL 2
Intensive one-day seminar. Covers advanced topics in spreadsheet design. Includes creating and using Templates, Charts, Database Lists and Filters, Subtotals, Outlines, Macros, 3D Formulae, and linking and consolidating multiple workbooks and worksheets. Prerequisite: COMP 0261 or equivalent experience.

Apr 27	Tue	0900-1700	1 day	DTC	CRN	26004
May 25	Tue	0900-1700	1 day	DTC		26005
Jun 23	Wed	0900-1700	1 day	DTC		26006

COMP 0266 DTC \$180

WORD FOR WINDOWS 95 LEVEL 1
Intensive one-day seminar. Covers basic word processing topics of styles, tabs and indents, multicolumn documents, headers and footers, spell check, search and replace, and working with multiple documents. Prerequisite: Working knowledge of Windows 3.11 or Windows 95.

Apr 13	Tue	0900-1700	1 day	DTC	CRN	26007
May 13	Thr	0900-1700	1 day	DTC		26008
Jun 9	Wed	0900-1700	1 day	DTC		26009

COMP 0267 DTC \$180

WORD FOR WINDOWS 95 LEVEL 2
Intensive one-day seminar. Covers the more advanced word processing topics creating templates, using Tables and Pictures, using Frames and Text Boxes, recording and running Macros, using Mail Merge, customizing the Toolbar, Menus and keyboard. Prerequisite: COMP 0266 or equivalent experience.

Apr 26	Mon	0900-1700	1 day	DTC	CRN	26010
May 28	Fri	0900-1700	1 day	DTC		26011
Jun 22	Tue	0900-1700	1 day	DTC		26012

COMP 0271 DTC \$180

ACCESS FOR WINDOWS 95 LEVEL 1
Intensive one-day seminar. Covers skills required to create a data base with multiple tables, create forms, reports and queries. Prerequisite: Working knowledge of Windows 3.11 or Windows 95.

Apr 15	Thr	0900-1700	1 day	DTC	CRN	26013
May 11	Tue	0900-1700	1 day	DTC		26014
Jun 8	Tue	0900-1700	1 day	DTC		26015

COMP 0272 DTC \$180

ACCESS FOR WINDOWS 95 LEVEL 2
Intensive one-day seminar. Covers advanced topics in data base design such as advanced form and query creation, use of OLE to add graphics and pictures, import and export from spreadsheet and other data base applications. Prerequisite: COMP 0271 or equivalent experience.

Apr 28	Wed	0900-1700	1 day	DTC	CRN	26016
May 26	Wed	0900-1700	1 day	DTC		26017
Jun 21	Mon	0900-1700	1 day	DTC		26018

COMP 0282 DTC \$180

POWERPOINT FOR WINDOWS 95 LEVEL 1
Intensive one-day seminar. Provides an introduction to presentation graphics and covers basic tools needed to produce slides, overheads and on-screen presentations. Prerequisite: Working knowledge of Windows 3.11 or Windows 95.

Apr 16	Fri	0900-1700	1 day	DTC	CRN	26019
May 12	Wed	0900-1700	1 day	DTC		26020

COMP 0283 DTC \$180

POWERPOINT FOR WINDOWS 95 LEVEL 2
Intensive one-day seminar. Covers advanced topics in presentation design. Includes creating and adding graphs, clip art, tables and organization charts, linking information from other programs and using built in features to create topic effects, adding transitions, setting slide timings and creating a drill-down document. Prerequisite: COMP 0282 or equivalent experience.

Apr 29	Thr	0900-1700	1 day	DTC	CRN	26022
May 27	Thr	0900-1700	1 day	DTC		26023

COMP 0665 BBY \$180

UNDERSTANDING NETWORKS
Intensive one-day seminar. Goes through the basics of network installation. The seminar is intended to give participants an understanding of how a network is installed and configured. Provides an understanding of different types of networks, the equipment and administration. Hands-on installation training not provided. Prerequisite: None.

May 15	Sat	0900-1700	1 day	BBY	CRN	26026
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OFFICE COMPUTER APPLICATIONS

COMP 1223 DTC \$518.30

MS OFFICE 97 APPLICATIONS
Provides a complete overview of Microsoft Office 97 applications. Hands-on exercises and lectures demonstrate the features of Word, Excel, Access, PowerPoint and Outlook. Topics include creating a presentation complete with animation and transitions in PowerPoint, tips, tricks and features of Word, creating simple formulas and designing and building charts and worksheets in Excel, create databases, queries, forms and reports in Access, and using the information management system of Outlook. Prerequisite: COMP 1007.

Apr 13	Tue	1800-2100	8 wks	DTC	CRN	26336
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COMP 1228 BBY \$356

MICROSOFT OUTLOOK
Provides a practical understanding of the features and functions of this powerful and popular contact, e-mail, and appointment management application. Includes using Outlook to stay organized, efficient, and on-schedule; as a time-management tool; making and managing appointments; tracking contacts, documents, and entire projects; sending, receiving and organizing email; accessing vital data quickly. Emphasizes customizing application features. Also highlights Outlook's powerful integration with other Microsoft Office applications. Prerequisite: COMP 1006 or 1007 or 1022 or equivalent.

Apr 14	Wed	1845-2145	6 wks	BBY	CRN	27570
May 26	Wed	1845-2145	6 wks	BBY		27567

COMP 1245 DTC \$354.30

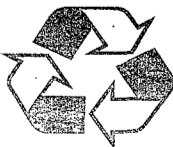
ACCPAC GENERAL LEDGER
Covers the general ledger system, including converting existing systems to Accpac, batch transaction, and printing reports. Prerequisite: COMP 1001 and 1006 or 1007 and basic understanding of accounting principles.

Apr 12	Mon	1800-2100	6 wks	DTC	CRN	20281
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COMP 1246 DTC \$354.30

ACCPAC A/R AND A/P
Covers the entire cycles of Accounts Receivable and Payable, including the interface to the Accpac General Ledger. Prerequisite: COMP 1245.

May 31	Mon	1800-2100	6 wks	DTC	CRN	20284
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ECO-TIP

USE A PENCIL INSTEAD OF A PEN

COMP 1250 BBY \$356
CRYSTAL REPORTS

Provides powerful, practical skills for this popular report generator, which is included with every copy of Visual Basic. Covers fundamental principles required to extract focused sets of data from a variety of data base and spreadsheet sources to produce professional-looking reports. Topics include: report design, organization and formatting, grouping, selecting and sorting records, creating formulas, producing cross-tab reports, adding pictures, graphs and logos, understanding and working with databases, and exporting reports to Excel, Word, e-mail, and the Web. Prerequisite: COMP 1006 or COMP 1007 or COMP 1022.

Apr 13	Tue	1845-2145	6 wks	BBY	CRN	26338
May 25	Tue	1845-2145	6 wks	BBY		27576

COMP 1255 BBY \$322
COMPUTERIZED ACCOUNTING

Teaches the Simply Accounting for Windows integrated package to those with some knowledge of computing and accounting. Covers setting up a complete set of books including G/L, accounts receivable, accounts payable, inventory and payroll. Prerequisite: COMP 1001 or 1006 or 1007 and FMGT 1100.

Apr 15	Thr	1845-2145	12 wks	BBY	CRN	22764
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COMP 1261 BBY \$356 DTC \$354.30
EXCEL LEVEL 1

Provides comprehensive coverage of this state-of-the-art Windows spreadsheet program, including the fundamental principles and practical skills required to produce professional-looking worksheets. Includes workbook and worksheet basics, using formulae and built-in functions, editing and formatting, custom numeric and date formatting, printing, password protection, and special techniques to increase efficiency. (Version 97) Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 13	Tue	1845-2145	6 wks	BBY	CRN	22708
Apr 15	Thr	1800-2100	6 wks	DTC		23534

COMP 1262 BBY \$356 DTC \$354.30
EXCEL LEVEL 2

Covers advanced topics in spreadsheet design. Includes creating and using templates, charts, data base lists and filters, subtotals, outlines, macros, 3D formulae, and linking and consolidating multiple workbooks and worksheets. (Version 97) Prerequisite: COMP 1261 or equivalent.

May 25	Tue	1845-2145	6 wks	BBY	CRN	22709
May 27	Thr	1800-2100	6 wks	DTC		23535

COMP 1263 BBY \$356
MS PROJECT/WINDOWS LEVEL 1

Reviews features, including the extensive on-line Help facility and Cue Cards of Microsoft Project, a powerful full-featured project management tool. Topics include creating and organizing a schedule and task lists, assigning resources and costs, working with views, printing view and reports. (Version 98). Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 13	Tue	1845-2145	6 wks	BBY	CRN	23537
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COMP 1264 BBY \$356
MS PROJECT/WINDOWS LEVEL 2

Continues from COMP 1263 Level 1. Covers working with multiple projects, automating work, customizing Project, and sharing information between applications. (Version 98). Prerequisite: COMP 1263.

May 25	Tue	1845-2145	6 wks	BBY	CRN	23538
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COMP 1266 BBY \$356
WORD FOR WINDOWS LEVEL 1

Includes word processing basics, formatting, styles, setting tabs and indents, multi-column documents, headers and footers, spelling checker, search and replace; and working with multiple documents. (Version 97) Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 15	Thr	1845-2145	6 wks	BBY	CRN	22710
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COMP 1267 BBY \$356
WORD FOR WINDOWS LEVEL 2

Covers advanced techniques including creating Templates, using Tables and Pictures, using Frames and Text Boxes, recording and running Macros, using Mail Merge; and customizing the Toolbar, Menus and keyboard. (Version 97) Prerequisite: COMP 1266.

May 27	Thr	1845-2145	6 wks	BBY	CRN	22719
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COMP 1270 BBY \$356 DTC \$354.30
MICROSOFT ACCESS 1

Begins with an overview of Access and its object-oriented approach to relational data base management. Provides the experience and skills necessary to create a data base with multiple tables, create forms, reports and queries. (Version 97) Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 12	Mon	1800-2100	6 wks	DTC	CRN	23543
Apr 14	Wed	1845-2145	6 wks	BBY		22711

COMP 1271 BBY \$356 DTC \$354.30
MICROSOFT ACCESS 2

Continues from COMP 1270 and provides the skills to use advanced features of form and query creation. Includes use of OLE to add graphs and pictures from other applications, and import and export from spreadsheets and other data base application packages. (Version 97) Prerequisite: COMP 1270.

May 26	Wed	1845-2145	6 wks	BBY	CRN	22712
May 31	Mon	1800-2100	6 wks	DTC		23544

COMP 1281 BBY \$356
MICROSOFT POWERPOINT 1

Provides a comprehensive introduction to this presentation graphics software package, which has innovative tools and an easy approach to help make professional-looking presentations quickly and easily. Covers the basic tools needed to produce slides, overheads and on-screen presentations. (Version 97) Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 12	Mon	1845-2145	6 wks	BBY	CRN	22720
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COMP 1282 BBY \$356
MICROSOFT POWERPOINT 2

Covers advanced topics in presentation design. Includes creating and adding graphs, clip art, tables and organization charts, linking information from other products such as Microsoft Word and Microsoft Excel. Uses the build feature to create topic effects, adding transitions for special effects, setting slide timings and creating a drill-down document. (Version 97) Prerequisite: COMP 1281.

May 31	Mon	1845-2145	6 wks	BBY	CRN	22721
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GUIDED SELF-LEARNING

The following courses are held on Tuesday mornings at the Downtown campus. No lectures are given, but an instructor is available in the classroom. Students work at their own speed, in our classroom, at a place of their own choosing, or both.

COMP 1008 DTC \$198.30
INSIDE WINDOWS

Guided self-learning and pacing. Examines Windows 95 and is useful to those who already know windows 3.1. Covers basic operations such as the Start Menu. Explains and uses the Task Bar, the '95 Graphical User Interfaces (GUI), My Computer and Explorer. Illustrates the file handling topics of create, copy, move, rename and delete. Explores running multiple programs and customizing the Windows 95 environment. Prerequisite: COMP 0001.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26229
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COMP 1258 DTC \$248.30
EXCEL LEVEL 1

Guided self-learning and pacing. Covers introductory topics to Word such as file handling, creating, saving, retrieving, and editing a document. Topics include toolbars, setting tabs and indents, formatting text, creating headers and footers, working with sections and columns, paragraph and character styles, search and replace, and the spelling checker. (Version 97) Prerequisite: COMP 1008.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26230
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COMP 1259 DTC \$248.30
EXCEL LEVEL 2

Guided self-learning and pacing. Covers advanced topics of Excel multiple windows and workbooks, 3D formulas, and other multiple worksheet topics. Explores charts, creating Worksheet outlines automatically and manually, data base features, filtering lists, setting criteria, searching, sorting data, recording and running macros, Visual Basic for Applications, using VLOOKUP, and the IF function. (Version 97) Prerequisite: COMP 1258 or COMP 1261.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26231
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COMP 1268 DTC \$248.30
MICROSOFT WORD LEVEL 1

Guided self-learning and pacing. Covers introductory topics to Word such as file handling, creating, saving, retrieving, and editing a document. Topics include toolbars, setting tabs and indents, formatting text, creating headers and footers, working with sections and columns, paragraph and character styles, search and replace, and the spelling checker. (Version 97) Prerequisite: COMP 1008.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26233
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COMP 1269 DTC \$248.30
MICROSOFT WORD LEVEL 2

Guided self-learning and pacing. Covers advanced topics of Word. Includes Mail Merge, Manipulating Tables, Creating templates, drop down lists, checkboxes, text boxes, customizing toolbars, and working with the Forms toolbar. Examines using built-in templates and Wizards, pictures, frames, and creating and using Macros. (Version 97) Prerequisite: COMP 1268 or COMP 1266.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26234
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COMP 1276 DTC \$248.30
ACCESS LEVEL 1

Guided self-learning and pacing. Covers introductory topics to Access such as the basic data base operations of creating tables, queries, forms and reports. Further topics include designing and planning a data base, defining relationships between tables, using various wizards, setting field properties, creating select queries, using criteria, creating calculated fields, working with formats in tables and reports. (Version 97) Prerequisite: COMP 1008.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26235
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COMP 1277 DTC \$248.30
ACCESS LEVEL 2

Guided self-learning and pacing. Covers advanced topics of using Access including setting control properties, form design, labels, textboxes, option groups, list boxes, combo boxes, and default editing modes. Explores subforms, expressions within forms. Examines pictures and graphs, embedding versus linking, bound versus unbound objects, importing, exporting, attaching, macros, creation of macros and attaching macros to events. (Version 97) Prerequisite: COMP 1270 or COMP 1276.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26236
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COMP 1402 DTC \$406. (TEXT INCLUDED)
PROGRAMMING CONCEPTS AND METHODS

Covers the principles and concepts of computer programming theory in Distance Education format for those intending to become involved in computer systems and/or programming. Prerequisite: (COMP (1001 or 1006 or 1009) and 1010 and 1015 and 1020) or equivalent.

Please see the Correspondence Courses section details under Comp 1402.

Apr 13	Tue	0900-1200	12 wks	DTC		27611
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COMP 2496 DTC \$416 (TEXT INCLUDED)
VISUAL BASIC 1 (DE)

Introduces the fundamentals of object-oriented and GUI programming. It covers designing and building applications using MS Visual Basic for Windows in Distance Ed format. Prerequisite: COMP 1403 and COMP 1430. Please see the Correspondence Courses section details under Comp 2496.

Apr 13	Tue	0900-1200	12 wks	DTC		27613
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COMP 2058 DTC \$198.30
INSIDE WINDOWS LEVEL 2

Guided self-learning and pacing. Expands on COMP 1008 to provide more in-depth windows knowledge. Covers searching for files and data, working with MS Paint, object linking and embedding, Media player, understanding the clipboard, managing the printer, Plug and Play, Fonts, network neighbourhood, and Disk maintenance. Prerequisite: COMP 1007 or 1008.

Apr 13	Tue	0900-1200	12 wks	DTC	CRN	26325
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WEEKEND TECHNOLOGY SEMINARS

COMP 0430 BBY \$400
TCP/IP PROTOCOL

Seminar. Covers how to install and configure any TCP/IP stacks using examples of implementation for Windows 95 or NT, and how to take and read network traces to trouble shoot protocol problems. Topics include exploring the TCP/IP stack, how to compare the four layer protocol with the OSI model, the first level of the TCP/IP stack "network Interface", what network interfaces are available, network interface frame format, Internet layer, application layer. Prerequisite: COMP 1007.

Jun 12	Sat/Sun	0830-1630	1 wknd	BBY	CRN	26038
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COMP 0435 BBY \$400
WINDOWS NT WORKSHOP

Seminar. Provides technicians, Systems Administrators and other technical users with a broad level of aptitude and understanding of Windows NT 4.0 server including administrative tools and techniques. Explains deploying, installing and configuring the NT 4.0 server, setting up RAID systems, file backup, NT 4.0 server registry, choosing network protocols, configuring Windows 95 clients for networking, connecting other PC clients to the network, administrating a secure network, optimizing network server performance and troubleshooting network problems. Prerequisite: COMP 3665.

May 8	Sat/Sun	0830-1630	1 wknd	BBY	CRN	26039
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PROGRAMMING AND LANGUAGES

EARLY BIRD

COMP 1401 BBY \$322 DTC \$320.30
PROGRAMMING CONCEPTS/METHODS

Covers the principles and concepts of computer programming theory for those intending to become involved in computer systems and/or programming. Prerequisite: (COMP (1001 or 1006) and 1010 and 1015 and 1020) or equivalent.

Apr 12	Mon	1845-2145	12 wks	BBY	CRN	20253
Apr 13	Tue*	0600-0900	12 wks	DTC		27610
Apr 13	Tue	1845-2145	12 wks	BBY		20256
Apr 14	Wed	1845-2145	12 wks	BBY		20254
Apr 15	Thr	1845-2145	12 wks	BBY		27577
Apr 17	Sat	0900-1200	12 wks	BBY		24887
Jul 13	Tue/Thr	1800-2100	6 wks	BBY		20252

COMP 1402 DTC \$406 (TEXT INCLUDED)
PROGRAMMING CONCEPTS AND METHODS DE

Covers the principles and concepts of computer programming theory in Distance Education format for those intending to become involved in computer systems and/or programming. Prerequisite: (COMP (1001 or 1006 or 1009) and 1010 and 1015 and 1020) or equivalent.

Please see the Correspondence Courses section details.

COMP 1410 BBY \$322
MICROCOMPUTER PC ASSEMBLER PROGRAMMING LANGUAGE 1

Presents a first-level course in programming using the Assembler Language on the IBM PC microcomputer. Prerequisite: COMP 1401.

Apr 16	Fri	1845-2145	12 wks	BBY	CRN	20262
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COMP 1420 BBY \$322
RPG PROGRAMMING LANGUAGE 1

Provides a working knowledge of RPG using the AS/400 that they can apply to the coding of a program of medium complexity. Prerequisite: COMP 1401.

Apr 13	Tue	1845-2145	12 wks	BBY	CRN	20258
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COMP 1430 BBY \$322
QUICK BASIC PROGRAMMING LANGUAGE 1

Provides an understanding of Quick BASIC programming language as used on an IBM-type PC, including basic applications, validating input data, files, string handling, subroutines and writing reports. Prerequisite: COMP 1401.

Apr 12 Mon 1845-2145 12 wks BBY CRN 21290

COMP 1435 BBY \$322
DATABASE PROGRAMMING LANGUAGE 1

Covers the elementary programming features of dBase, FOXPRO and CLIPPER (all versions), including development of a menu-driven system. Software not provided for take home. Prerequisite: COMP 1401.

Apr 15 Thr 1845-2145 12 wks BBY CRN 20277

COMP 1440 BBY \$258
COBOL PROGRAMMING LANGUAGE 1

Introduces all language components required to write simple business report programs. Prerequisite: COMP 1401 or 1405 or 1510.

Apr 14 Wed 1845-2145 12 wks BBY CRN 20289

COMP 1450 BBY \$322
PASCAL PROGRAMMING LANGUAGE

Covers the language's entire repertoire of instructions, enabling students to read and write structured programs in Pascal. Compiler not provided. Prerequisite: COMP 1401.

Apr 12 Mon 1845-2145 12 wks BBY CRN 20291

Apr 13 Tue 1845-2145 12 wks BBY 20292

Jul 13 Tue/Thr 1800-2100 6 wks BBY 20290

COMP 1457 BBY \$322
DELPHI PROGRAMMING LANGUAGE

Presents modern principles of programming and programming methodologies using the advanced modern visual language, Delphi. Students write programs that are readable, reusable and easy to maintain. Prerequisite: COMP 1401 and COMP 1450, PASCAL.

Apr 13 Tue 1845-2145 12 wks BBY CRN 25993

Apr 15 Thr 1845-2145 12 wks BBY 27584

COMP 2410 BBY \$322
MICRO PC ASSEMBLER PROGRAMMING LANGUAGE 2

Continues from COMP 1410 and provides more detail of the IBM PC Assembler language. Topics include multi-mode, subroutines from high-level languages, DOS I/O functions, macros, and TSR programs. Prerequisite: COMP 1410.

Apr 14 Wed 1845-2145 12 wks BBY CRN 26108

COMP 2425 BBY \$322
C PROGRAMMING LANGUAGE 1

Introduces Level 1 programming in C language including data types, control constructs and syntax. Also discusses the language's evolution into C++. A specific Compiler must be purchased and is not provided. Prerequisite: COMP (1405 or 1410) and 1450.

Apr 12 Mon 1845-2145 12 wks BBY CRN 20261

Apr 15 Thr 1845-2145 12 wks BBY 20260

Jul 13 Tue/Thr 1800-2100 6 wks BBY 20259

COMP 2435 BBY \$322
DATABASE PROGRAMMING LANGUAGE 2

Builds on the fundamentals learned in Level 1 (COMP 1435) and introduces advanced xBase programming techniques including complex screen handling, multi-user programming and SQL. Prerequisite: COMP 1435 or a thorough knowledge of the FOXPRO 2.x or dBase IV Command Language.

Apr 14 Wed 1845-2145 12 wks BBY CRN 22723

COMP 2440 BBY \$258
COBOL PROGRAMMING LANGUAGE 2

Continues from COMP 1440. Includes tape and disk file organization, utility programs and libraries, and table look-ups. Prerequisite: COMP 1440 or previous programming experience in COBOL.

Apr 12 Mon 1845-2145 12 wks BBY CRN 20302

COMP 2496 DTC \$416 (TEXT INCLUDED)
VISUAL BASIC 1 (DE)

Introduces the fundamentals of object-oriented and GUI programming. It covers designing and building applications using MS Visual Basic for Windows. Prerequisite: COMP 1403 and COMP 1430.

Please see the Correspondence Courses section details.

COMP 3425 BBY \$322
C PROGRAMMING LANGUAGE 2

Continues from COMP 2425. Covers development and use of program libraries and software tools in the C environment. Compiler not provided. Prerequisite: COMP 2425.

Apr 14 Wed 1845-2145 12 wks BBY CRN 20311

Apr 16 Fri 1845-2145 12 wks BBY 21515

Jul 14 Wed/Fri 1800-2100 6 wks BBY 21516

COMP 3475 BBY \$322
C++ FOR OBJECT-ORIENTED PROGRAMMING

Emphasizes the Object-Oriented (OO) features of C++, abstract data types, and C++ use in implementing OO designs. OO technology has emerged as a leading trend in software development, and C++ (the successor to C) as the dominant language for its realization. Prerequisite: COMP 3425 and 3670.

Apr 13 Tue 1845-2145 12 wks BBY CRN 20310

Apr 15 Thr 1845-2145 12 wks BBY 20309

Jul 13 Tue/Thr 1800-2100 6 wks BBY 24895

COMP 4409 BBY \$322
JAVA PROGRAMMING LANGUAGE LEVEL 1

Provides a thorough introduction to the Java programming language and the Java distributed objects paradigm. Includes the Java language environment, creating user interfaces, developing multi-threaded applications, handling multimedia data types, and managing collections. Prerequisite: COMP 3670 and one level 2 programming language.

Apr 12 Mon 1845-2145 12 wks BBY CRN 24891

Apr 13 Tue 1845-2145 12 wks BBY 25398

COMP 4425 BBY \$322
C PROGRAMMING LANGUAGE 3

Designed for programmers who want to learn more about advanced C programming techniques, and to write carefully constructed, readable programs, high-quality, error-free software. Prerequisite: COMP 3425.

Apr 16 Fri 1845-2145 12 wks BBY CRN 20303

COMP 4475 BBY \$322
C++ PROGRAMMING LANGUAGE 2

Covers elements and collaborations of classes, inheritance, class re-use, collection classes, class libraries, error handling, memory management design patterns, and use of iostream library. Prerequisite: COMP 3475.

Apr 12 Mon 1845-2145 12 wks BBY CRN 26225

WINDOWS PROGRAMMING

COMP 1275 BBY \$431
ACCESS DEVELOPMENT

Covers the process of designing applications using the Visual Basic programming language. Explores the built-in application design features such as event properties, custom menus, and toolbars, controlling program flow, Data Access Objects (DAO), Recordsets, error handling and an introduction to SQL. Discusses in-depth coverage of Events, Modules, Procedures and Structures. **NOTE:** Data Access Objects is a very important aspect to Access. Prerequisite: COMP 1272 and 1401 and 1403 or equivalent experience.

Apr 15 Thr 1845-2145 12 wks BBY CRN 23545

COMP 1403 BBY \$322
WINDOWS PROGRAMMING CONCEPTS

Covers programming/design considerations common to Windows applications. Introduces Windows controls including dialog boxes, radio button, combo boxes, scroll bars. Uses Visual Basic as a tool to describe events, properties and basic control creations. Discusses the Software Development Life Cycle pertaining to Windows and common programming structures. Explores shortcut keys, window styles, menu creation, toolbars, OLE considerations, designing a help file, and the API. Prerequisite: COMP 1006 or 1007 or equivalent.

Apr 13 Tue 1845-2145 12 wks BBY CRN 22722

COMP 2275 BBY \$431
ACCESS DEVELOPMENT LEVEL 2

Introduces the advanced topics Managing Controls, creating forms, tabs, creating and using controls, working with complex report designs, Data Access Objects, debugging and error handling, working with record sets, replication and security. Prerequisite: COMP 1275.

Apr 17 Sat 0900-1200 12 wks BBY CRN 26326

COMP 2473 BBY \$322
DATA BASE DEVELOPMENT WITH VISUAL BASIC 5 LEVEL 1

Introduces data base development using Visual Basic. Includes Data Objects, Data Control, ODBC, DDE, OLE2, Client/Server issues and the Help compiler in this intensive data base development course. Prerequisite: COMP 1401 and 1403 and 1430 and Systems Design and at least one PC programming language and Excel and Word basics.

Apr 16 Fri 1845-2145 12 wks BBY CRN 22827

COMP 2495 BBY \$322
VISUAL BASIC PROGRAMMING LANGUAGE 1

Teaches fundamentals of object-oriented and GUI programming using Microsoft VISUAL BASIC under WINDOWS. Covers designing and building applications; event-driven programming; displaying and printing information; data storage; file system controls; building menus, pop-up menus, and dialogs; modules, subroutines and functions; and much more. Prerequisite: COMP 1403 and 1430. This course is also available in Distance format as COMP 2496, please see the Correspondence Courses section details.

Apr 12 Mon 1845-2145 12 wks BBY CRN 26324

Apr 17 Sat 0900-1200 12 wks BBY 26810

Apr 17 Sat 1300-1600 12 wks BBY 27585

AS/400 COMPUTER

COMP 1632 BBY \$322
INTRODUCING THE IBM AS/400

Introduces the AS/400 concepts and architecture as it applies to practical business requirements. Some topics are Libraries and Objects, AS/400 Relational data base and Data Management, user profiles and AS/400 security. Prerequisite: COMP 0001 or equivalent.

Apr 15 Thr 1845-2145 12 wks BBY CRN 20276

SYSTEMS ANALYSIS AND DESIGN

COMP 1615 BBY \$258
COMPUTER SYSTEMS INTRODUCTION 1

Introduces the basic skills and techniques required for systems analysis and design. Prerequisite: COMP 1401.

May 29 Sat 0900-1600 6 wks BBY CRN 20275

COMP 2615 BBY \$258
COMPUTER SYSTEMS INTRODUCTION 2

Continues from COMP 1615. Develops analytical skills and basic computer systems design techniques. Prerequisite: COMP 1615.

Jul 10 Sat 0900-1600 6 wks BBY CRN 20297

COMP 3615 BBY \$322
COMPUTER SYSTEMS INTRODUCTION 3

Focuses on commonly used Systems Projects techniques. Presents case study projects using Analysis and Design skills. Emphasizes full Systems Life Cycles including Project Management, Feasibility Analysis, Systems Analysis, Process and Data Modeling. Examines Systems Design, User Interface, Systems Planning, Implementation and ongoing Support. Explores JAD, ER Diagrams, Object Modeling, RAD and Prototyping techniques. Prerequisite: COMP 2615.

Apr 13 Tue 1845-2145 12 wks BBY CRN 26177

COMP 3635 BBY \$322
CASE TECHNOLOGY

Examines how CASE Technology facilitates planning and design of systems using CASE tools as a design workbench. Prerequisite: Knowledge of structured techniques.

Apr 13 Tue 1845-2145 12 wks BBY CRN 21371

COMP 3710 BBY \$635
RELATIONAL DATA BASE SYSTEMS

Covers relational data base model, data base design techniques, normalization, functional dependency, relational algebra, Entity-Relationship (ER) modeling, distributed data base systems, data base administration, implementation of relationship data base using SQL. Prerequisite: COMP 2615 or 2710.

Apr 12 Mon/Wed 1845-2145 12 wks BBY CRN 20217

Jun 5 Sat 0900-1600 12 wks BBY 22461

COMP 4660 BBY \$165
INTRODUCTION TO SQL

Presents an in-depth introduction to this data base tool. Includes Data Definition, Data Manipulation, and Data Control Languages, DB2 Catalog, Views, Synonyms and Aliases, Embedded SQL, Subqueries, Union, Grouping, functions and Performance Considerations. Prerequisite: COMP 3710.

Apr 14 Wed 1845-2145 6 wks BBY CRN 24892

COMP 4663 BBY \$322
INTRODUCTION TO MS SQL SERVER

Covers application development and administration using MS SQL Server as the data base engine. Topics include SQL Server Installation, System Architecture, Database Devices, Managing Databases, Transact-SQL, Using Indexes, Views, Stored Procedures, Triggers and Backup/Restore. Prerequisite: COMP3710 or equivalent experience.

Apr 13 Tue 1845-2145 12 wks BBY CRN tba

NETWORKS AND CLIENT SERVER

COMP 2630 BBY \$322
NOVELL NETWORK

Provides a complete overview of the NetWare 4 operating system. Selection of equipment, NetWare installation, and system administration responsibilities are discussed. Prerequisite: COMP 1001 and COMP 1007 and OPMT 1188.

Apr 14 Wed 1845-2145 12 wks BBY CRN 20299

COMP 2665 BBY \$322 DTC \$320.30
LOCAL AREA NETWORK THEORY

Develops skills to design and implement networks. Examines details of Ethernet, Arcnet, and Token Ring. This theory course also looks at file server selections, cable and media installation, performance issues and managing problems. Prerequisite: COMP 1001 and 2605.

Apr 13 Tue 1800-2100 12 wks DTC CRN 26029

Apr 15 Thr 1845-2145 12 wks BBY 20298

COMP 3665 DTC \$320.30
ADVANCED NETWORK DESIGN

Covers theory and market implementation of higher speed network protocols (100BaseT, FDDI, ATM) and how advanced network devices provide options for network growth and expansion. No hands-on. Prerequisite: COMP 1001 or 1006 and 2665.

Apr 15 Thr 1800-2100 12 wks DTC CRN 23549

COMP 4666 BBY \$322
LAN INTERNETWORKING

Explores issues and software related to the internetworking of Novell NetWare 4.1, Windows NT 4.0 Server, NT 4.0 Workstation, Linux (Unix) and Windows 95 operating system platforms. Provides hands-on experience interconnecting these platforms with TCP/IP and IPX protocols. Prerequisite: COMP 2630 or COMP 2665 or experience with Novell NetWare, and COMP 1007 or equivalent.

Apr 12 Mon 1845-2145 12 wks BBY CRN 25093

COMP 4840 **DTC \$320.30**
CLIENT SERVER COMPUTING
 Covers client/server computing technologies based on the internet and Java networking. Provides hands on experience in building client/server applications using RMI, JDK1.1, Java Sockets, Java's net classes and URL-related classes. Presents case studies of several companies migrating to Three-tier client/server applications. Prerequisite: COMP 3475, or COMP 3425 and COMP 3670.
 Apr 14 Wed 1800-2100 12 wks DTC CRN 26332

DATA COMMUNICATION

COMP 2605 **BBY \$258**
DATA COMMUNICATIONS CONCEPTS 1
 Familiarizes students with data communication applications and related concepts. Prerequisite: Programming or systems design experience.
 Apr 12 Mon 1845-2145 12 wks BBY CRN 20293
 Apr 13 Tue 1845-2145 12 wks BBY 20294

COMP 3605 **BBY \$258**
DATA COMMUNICATIONS CONCEPTS 2
 Continues from COMP 2605. Covers protocols and data link controls, LAN's and line facilities provided by common carriers. Prerequisite: COMP 2605.
 Apr 14 Wed 1845-2145 12 wks BBY CRN 20312

UNIX

COMP 1626 **DTC \$503.30**
INTRO TO SCO UNIX SYSTEM V
 Provides an insight to the SCO UNIX System V to system administrators who are new to the UNIX operating system, and to end users who work with SCO Unix Systems. Covers several computer basics in the UNIX environment. Prerequisite: COMP 1001 or equivalent.
 Apr 14 Wed 1800-2100 8 wks DTC CRN 24888

COMP 2627 **DTC \$1559**
SCO UNIX OPEN SERVER RELEASE 5 ADMIN AND SHELL PROG
 To provide technicians, engineers, system administrators and technical users who require a broad level of aptitude and understanding of SCO UNIX OSR 5 with the basic administrative tools and techniques. Examines the Bourne Shell and the uses of shell script. Prerequisite: COMP 1626.
 Apr 13 Tue/Thr 1800-2100 10 wks DTC CRN 27614

COMP 2628 **DTC \$958.30**
SCO UNIX SYSTEM V: UUCP, TCP/IP AND NFS
 Explores planning, configuring, administering and troubleshooting sophisticated communications systems, local-area networking using TCP/IP and NFS software for technical personnel. Prerequisite: COMP 2626.
 Apr 12 Mon 1800-2100 12 wks DTC CRN 25994

COMP 4645 **DTC \$428.30**
ADVANCED UNIX SYSTEMS PROGRAMMING
 Continues from COMP 3645. Covers continuation of technical details of Interprocess Communication (IPC) facilities and a comparative performance of the various facilities. Emphasizes implementation of client-server solutions using C, including connection-based servers and connectionless servers. Prerequisite: COMP 3645. Completion of an advanced C programming course is strongly recommended.
 Apr 18 Sun 0800-1100 12 wks DTC CRN 22783

INTERNET

COMP 0401 **BBY \$255**
INTERNET, THE WHY AND THE HOW
 Seminar. Addresses the concepts of the Internet, and what is needed to apply these concepts as a user or a provider of Internet-based information. The client side includes hardware (modem, router or LAN-based), software (WWW browser, news, e-mail) and connection (Internet Service Provider). The server side includes hardware (host computer, router), software (content preparation, WWW server, news server, mail server), and connection (upstream ISP). Prerequisite: None.
 Apr 17 Sat/Sun 0900-1600 1 wknd BBY CRN 23845

COMP 0403 **BBY \$255**
WEB SITE IMPLEMENTATION/ADMIN
 Seminar. Targeted at individuals potentially responsible for the setup and maintenance of a Web site (webmasters). Set up addresses host equipment needs, Internet connection, server software configuration and security. Maintenance addresses host system monitoring and management. Web site issues include setting up and maintaining the Web site content and information structure, all of the appropriate hyperlinks and related serverside applications. Hands-on involves configuring a typical Web site, monitoring and reporting some of the performance statistics available. Prerequisite: None.
 Apr 24 Sat/Sun 0900-1600 1 wknd BBY CRN 23846

COMP 0405 **BBY \$255**
CREATE/PROGRAM WWW DATABASES
 Seminar. Addresses server scripts or applications needed to interface a conventional relational data base to a WWW server so end-users can interact with the data base using their WWW browser. Students author an HTML document with data base navigation and query, and implement a supporting script to interact on the server side with the relational data base. Prerequisite: None.
 May 1 Sat/Sun 0900-1600 1 wknd BBY CRN 23847

COMP 0407 **BBY \$255**
HTML AUTHORIZING
 Seminar. Addresses the concepts underlying hypermedia content on the WWW, content design and preparation, and simple supporting scripts. Students prepare a simple Web page using a text editor, embedding their own HTML tags; and then a more sophisticated frame-based page using Netscape Navigator Gold. Sample media content will be supplied. Prerequisite: None.
 May 8 Sat/Sun 0900-1600 1 wknd BBY CRN 23848

COMP 0409 **BBY \$255**
JAVA PRIMER
 Seminar. Introduces the Java paradigm, and then programming of Java applets and applications. Promotes an appreciation of where Java is appropriate to deploy in the organization by using examples and hands-on practice. Prerequisite: Object-Oriented Programming Concepts.
 May 15 Sat/Sun 0900-1600 1 wknd BBY CRN 23849

COMP 0411 **BBY \$255**
MULTIMEDIA ON THE INTERNET
 Seminar. Introduces effective multimedia content design, preparation and delivery over the Internet. Includes preparing images, audio and video data; for both immediate and delayed delivery using a suitable WWW browser. Does not deal with original content creation, but rather the steps needed to make such content useful over the Internet. Prerequisite: None.
 May 29 Sat/Sun 0900-1600 1 wknd BBY CRN 23850

COMP 1820 **BBY \$259**
HTML AND THE WORLD WIDE WEB
 Introduces HTML, the "Hyper-Text Markup Language" used on the WWW by creating HTML documents. General text editors and specialized HTML editors are used, and students may load their documents onto a live web server for viewing on the Internet. Includes coverage of UNIX basics required to upload completed HTML documents to the server. Prerequisite: COMP 1267 or equivalent, and WWW user experience.
 Apr 17 Sat 0900-1200 6 wks BBY CRN 23756

COMPUTER GRAPHICS

COMP 1811 **DTC \$911.30**
3D MAX GRAPHICS LEVEL 1
 Teaches the 3D Max interface and the coordinate systems used in 3D space. Covers modeling, editing and transforming 3D objects, using precise measurement controls, applying materials using the Material Editor, and creating lights and cameras. Students compose scenes in 3D Max, which are then animated using basic animation controllers. Prerequisite: COMP 1007 or COMP 1022, and experience using a drawing program.
 Apr 13 Tue 1800-2100 12 wks DTC CRN 26339

MULTIMEDIA SOFTWARE DEVELOPMENT

The following Java Programming courses are designed to lead up to an Associate Certificate in Just Java. Not all required courses are offered this semester. Refer to our web site for details.

MMSD 3610 **DTC \$320.30**
JAVA PROGRAMMING 1
 Provides a thorough introduction to the Java programming language and to the Java distributed objects paradigm. Topics include: the Java language and environment, creating user interfaces with the AWT, developing synchronized multi-threaded applications, handling multimedia and image manipulation, and managing interface collections. Prerequisite: COMP 3670 and any Object-Oriented programming course.
 Apr 12 Mon 1730-2030 12 wks DTC CRN 26030

MMSD 3620 **DTC \$320.30**
JAVA PROGRAMMING 2
 Continues from MMSD 3610, addressing advanced Java programming techniques for both applets and applications. Topics include application design guidelines, process and thread synchronization, smooth animation techniques, local file I/O, and the Java event model. Prerequisite: (COMP 3640 or 3730) and (MMSD 3610 or COMP 4409).
 Apr 13 Tue 1730-2030 12 wks DTC CRN 26031

MMSD 4610 **DTC \$320.30**
JAVA OBJECT-ORIENTED APPLICATION DESIGN
 Addresses the design and implementation of Java programs that conform to the Java Management API. Topics include large-scale application design, JMAPI, integration with and support of application builder tools. Prerequisite: MMSD 3620 or permission of instructor.
 Apr 14 Wed 1730-2030 12 wks DTC CRN 26032

MMSD 4620 **DTC \$320.30**
JAVA DATA BASE CONNECTIVITY
 Address the dynamic delivery of data base content using Java, conforming to the Java Enterprise API. Topics include client/server application design, remote method invocation (RMI), and JDBC. Prerequisite: MMSD 3620 or permission of instructor.
 Apr 15 Thr 1730-2030 12 wks DTC CRN 26033

For more information on courses currently under development and when they will be offered, phone (604) 451-7193, or visit our web site at www.multimedia.bcit.bc.ca

OTHER SPECIALTIES

COMP 1601 **BBY \$258**
COMPUTERS IN BUSINESS
 Familiarizes those who are not specializing in computers with terminology and concepts used in the computer industry. Prerequisite: COMP 1001 or 1006 and 1010 and 1015 and 1020 or CGA Tutorial or equivalent.
 Apr 12 Mon 1845-2145 12 wks BBY CRN 20219
 Jul 13 Tue/Thr 1800-2100 6 wks BBY 20218

COMP 1825 **DTC \$354.30**
HELP DESK SUPPORT
 Covers a wide range of issues dealing with technical computer support. Topics include providing quality technical support, handling support calls, problem solving and trouble shooting. Other areas that will be explored are communication skills, quality customer service and alternative methods of support such as expert systems and knowledge based technology. Prerequisite: COMP 1007.
 Apr 14 Wed 1800-2100 6 wks DTC CRN 26333
 May 26 Wed 1800-2100 6 wks DTC 26335

COMP 2030 **BBY \$322**
MICRO TROUBLESHOOTING
 Explains the microcomputer key files and hardware component relationships for inexperienced users. Hands-on not provided. Prerequisite: COMP 1001 or equivalent and working knowledge of MS Windows 3.0 or later and access to a microcomputer.
 Apr 15 Thr 1845-2145 12 wks BBY CRN 24889

COMP 2610 **BBY \$322**
EXPLORING TECHNICAL ASPECTS
 Covers the theory of microcomputer hardware standards, operating systems, semiconductor technology, peripheral devices. Prerequisite: COMP 1401.
 Apr 15 Thr 1845-2145 12 wks BBY CRN 26227

COMP 3640 **DTC \$320.30**
OPERATING SYSTEMS CONCEPTS
 Introduces basic principles of operating systems design and implementation. Topics include memory management, processor scheduling, disk organization, and file systems. Prerequisite: COMP 1450 and 2610.
 Apr 14 Wed 1800-2100 12 wks DTC CRN 20313

COMP 3670 **BBY \$258**
UNDERSTANDING OBJECTS
 Covers Object-Oriented concepts, fundamentals, essentials of the Object Model, and real-world problems using object-oriented analysis. Prerequisite: COMP 2615 or equivalent.
 Apr 15 Thr 1845-2145 12 wks BBY CRN 20319

COMP 4965 **DTC \$633.30**
COMPUTER ANIMATION FUNDAMENTALS
 Introduces digital animation. Topics include classic animation principles and practices for three dimensional character animation, and a look at the finer points of modeling, rendering and lighting. Students use Martin Hash's 3D Animation program to render their final animation to VHS. Prerequisite: COMP 3960 or permission of the instructor.
 Apr 12 Mon/Wed 1730-2130 12 wks DTC CRN 24893

OH NO, YOU HAD TO CANCEL IT??

Sorry, but sometimes excellent courses with super instructors are cancelled if someone waits until the last minute to register. Our programmers make a decision five business days prior to a course start date to allow for proper preparation. Minimum class numbers must be registered at that time, so please register early to avoid disappointment for yourself, others and the instructor.

Summer learning can be fun at BCIT!

SUMMER COMPUTER CAMP 99
BBY \$250 PER WEEK

Due to the success of last year's summer computer camp, BCIT is pleased to offer Kids Summer Computer Camp for 1999. We plan various courses that are five days duration, Monday through Friday. They operate from 0900 to 1600 and you may arrange to drop off and pick up your children from 0800 to 1700. These one-week courses are planned to run in July and August.

Using supervision by faculty and lab assistants, students will learn the basics behind various programming languages that may include Visual Basic and Delphi. Students explore programs and examine various hardware pieces, and instructors will explain their purpose as students physically take a PC apart, then reassemble it. Students will also learn to diagnose problems and fine-tune software.

BCIT includes supervised activity during breaks and lunches. Please watch for our Summer Camp at BCIT Brochure or call our hotline. New courses are being developed and second levels of the Java courses will be available to students who completed the first level last year.

"Computer Camp was awesome! I'm coming back for more!"

- 1998 Computer Summer Camp Student



INDUSTRY DRIVEN SPECIAL PROGRAMS

Microsoft's certification programs are one of the industry's most comprehensive programs for assessing and maintaining software-related skills. BCIT offers these programs through partnerships with industry. Enrolment is limited and by departmental permission only. Selected courses offer credit toward BCIT's Computer Systems Technology Part-time studies programs for your on going technical education.

INFORMATION TECHNOLOGY PROFESSIONAL (ITP) PROGRAM

Information Technology professionals are in demand. The Information Technology Professional (ITP) program is a full time, 12-month interactive learning experience that includes a three-month work term. ITP is designed for post-secondary graduates from any field of study, who are interested in pursuing rewarding careers within the rapidly expanding information technology sector.

ITP is a national program, offered at a variety of sites throughout Canada under the guidance of the Software Human Resource Council (SHRC). The curriculum is presented in a hands-on, interactive format that stresses "learning by doing". It focuses on technical training, business applications and business development skills. The program is run as a business simulation, with students being part of a business corporation.

Graduates of the ITP program will apply to the SHRC to receive their ITP certification. To be eligible for this certification graduates must:

- Write all exams
- Pass 80 per cent of exams with a grade of 70 per cent or better
- Complete six vendor accredited exams (either the MCSE, CLP or a combination of both)
- Complete a work term
- Complete all projects

Graduates of the ITP program will apply to BCIT to receive a Diploma of Technology. To be eligible for this certification graduates must achieve a grade of 50 per cent or greater on all courses.

BCIT is now the latest site to offer this exciting one-year program. The year is divided into four quarters. The first, second and fourth quarters are held in a classroom environment with lectures, labs, discussion groups, projects and simulations. The 3rd quarter is devoted to an industry work practicum.

Classes are held on Mondays to Fridays from 0830 in the morning to 1630 in the afternoon at the BCIT Downtown Campus (555 Seymour Street, Vancouver, B.C.).

The next scheduled start date for the ITP program is April 5, 1999.

Admission Requirements:

- English 12 (C+ or better)
- Post-secondary graduate (either a college diploma or a university degree from a recognized institution) from any discipline;
- Successful applicants must then be approved at an interview, prior to final acceptance

Please call (604) 451-7193 for more information.

Here are samples of what is planned.

- **PC POWER USER**
Learn to diagnose problems and fine tune software.
- **COMPUTER GAMES AND INTERNET**
Explores and compares various computer games to present a sense of their structures. Provides opportunity to explore the internet and create a personal web page under the guidance of faculty and lab assistants. Ages 12- 14, Prerequisite: None.
- **JAVA PROGRAMMING**
Learn to design and write a program with Java that includes graphics and sound.
- **GAMES PROGRAMMING WITH JAVA**
Introduces secrets of computer games. Topics include elements of game design, create images, sound and Java code. Build a video game that is playable from a web page. Ages 14 -16, Prerequisite: None.

DENTAL RECEPTION

COMP 0285 DENTAL OFFICE SYSTEM/WINDOWS DTC \$338.30

Gives hands-on experience using the Exan/Mercedes Dental System for Windows to cover front desk procedures in a dental office. Upon successful completion, any other dental computer system can be used. This course is eligible for continuing dental education credits as per the College of Dental Surgeons of B.C. COMP 0885 may be taken simultaneously with this course. Prerequisite: Dental or Medical office experience or completion of a Dental Receptionist program.

Apr 13 Tue 1830-2130 12 wks DTC CRN 23757

COMP 0885 DENTAL RECEPTIONIST DTC \$548.30

Presents the skills to become a dental receptionist. Includes communications, professional manner development, telephone techniques, scheduling and billing procedures, dental terminology, accounting, and insurance companies' protocol. Upon successful completion, students may enhance their skills during a practicum in a dental office. This course is eligible for continuing dental education credits as per the College of Dental Surgeons of B.C. This course may be taken simultaneously with COMP 0285. Prerequisite: None.

Apr 12 Mon/Thr 1830-2130 12 wks DTC CRN 24904

MCSE MICROSOFT CERTIFIED SYSTEMS ENGINEER & A+ HARDWARE TECHNICIAN BBY \$11600

MCSE certification is a credential recognized by industry to qualify individuals to effectively plan, implement, maintain, and support information systems in a wide range of computing environments using the Microsoft Windows NT Server and the Microsoft BackOffice integrated family of server products.

BCIT is a Microsoft Authorized Academic Training Partner (AATP) and is offering a selected program through a partnership with NorthWest Digital. Our goal is to prepare the student to challenge the exams for these vendor specific certifications. The tuition includes the costs of official Microsoft courseware, and eight exam vouchers.

This intensive program is designed for people who are working full-time. It is offered on a part-time basis and currently delivered two evenings a week and Saturdays, over a six-month period. Registration is by special admission and only for the entire program. Please refer to our web site for complete details.

www.btech.scas.bcit.bc.ca/mse.html

The prerequisites for entrance into this program are:

- English 12 equivalence
- Post-secondary education or related work experience
- Working knowledge of DOS and Windows environment
- At least 70 per cent pre-entry exam

Please call (604) 451-7193 for more information.

SSD SOFTWARE SYSTEMS DEVELOPMENT PROGRAM BBY \$ 6000

The BCIT Computer Systems Technology Department is offering a new and exclusive full time systems development program. The 30-week full-time program is designed to prepare learners for the rapidly expanding high-tech computer industry. Applicants are not required to have computer-programming background, but all applicants must demonstrate sound logical and reasoning skills through an assessment test prior to entrance into the program. Successful graduates of the program will be prepared for such exciting careers as software developers, programmers, systems analysts, and systems consultants.

This program consists of 30 weeks of highly intensive formal classroom instruction and hands-on lab work. Successful graduates of this program may continue in the Bachelor of Technology degree program in Computer Systems, or the Microsoft Certified Solution Developer (MCSD) program, or other vendor certification program. This program is especially designed for people with previous post-secondary education who need to re-train or upgrade their computer skills. The program will have limited enrollment and students are required to supply their own Pentium laptop computer.

The prerequisites for entrance into this program are:

- English 12 equivalence
- Post-secondary education or related work experience
- Working knowledge of DOS and Windows environment
- At least 70 per cent on aptitude test on logical reasoning skills

Please call (604) 451-7193 for more information.

CORRESPONDENCE INFORMATION

1. You must have the prerequisites required.
2. You may start the course anytime.
3. You may proceed in the course at your own speed, within the number of weeks allowed.
4. Regular assignments are to be submitted for marking and will be returned to you with comments.
5. Examination dates are flexible.
6. Courses completed by correspondence may be included in part-time program.
7. The textbook fee is in addition to the course fee.
8. BCIT refund policy permits a refund less 15 per cent for correspondence courses prior to mailing course materials. For individual course descriptions, please see the listing below.
9. To register, call 451-6733

COMP 0001 \$152 (INCLUDING TEXTBOOK)

COMPUTING FOR THE TIMID (DE)

Introduces the computer to those who have never used one and are afraid to. Prerequisite: None.

Apr 12 Distance 18 wks DIS CRN 22951

COMP 1009 \$331 (INCLUDING TEXTBOOK)

EXPLORING WINDOWS (DE)

Provides understanding of the Windows environment and its relationship with DOS. Using self pacing, the student works through lessons on manipulating windows, using File Manager, creating Write documents, building batch files and macros, and using the Windows Terminal Accessory to connect to an Internet site and send electronic mail. Prerequisite: None. COMP 0001 recommended.

Apr 12 Distance 18 wks DIS CRN 23524

COMP 1402 \$406 (INCLUDING TEXTBOOK)

PROGRAMMING CONCEPTS AND METHODS (DE)

Covers the principles and concepts of computer programming theory in Distance Ed format for those intending to become involved in computer systems and/or programming. Prerequisite: (COMP 1001 or 1006 or 1009) and 1010 and 1015 and 1020) or equivalent.

Apr 12 Distance 24 wks DIS CRN 27578

COMP 2496 \$416 (INCLUDING TEXTBOOK)

VISUAL BASIC 1 (DE)

Introduces the fundamentals of object-oriented and GUI programming. It covers designing and building applications using MS Visual Basic for Windows. Prerequisite: COMP 1403 and COMP 1430.

Apr 12 Distance 24 wks DIS CRN 27586

MCSD

MICROSOFT CERTIFIED SOLUTION DEVELOPER

MCSD certification is a credential recognized by industry to qualify individuals to design and develop custom business solutions with Microsoft tools and technologies. BCIT is a Microsoft Authorized Academic Training Partner (AATP) and is offering a selected series of intensive courses, through industry partnerships, to help prepare programmers to challenge this vendor specific certification and validate their skills. Registration is by special admission and only for the entire program.

Please refer to our web site for complete details.

www.btech.scas.bcit.bc.ca/msd.html

Students entering this program should meet the following prerequisites:

- High School Graduation
- Keyboarding (30 wpm)
- Solid understanding of Programming concepts and terminology
- Solid understanding of the basics of Software program Design
- Minimum of six months working knowledge of a current programming language preferably MICROSOFT
- Strong commitment to study and practice
- BCIT - Certificate of Technology in Software Systems Development, or equivalent knowledge

These prerequisites are basic skill and aptitude requirements for successful entry into the Microsoft Solution Developer program.

Please call (604) 451-7193 for more information.

SSS

SYSTEMS SUPPORT SPECIALIST PROGRAM

This program is offered in partnership with industry and is designed to prepare students for a various entry-level careers as Support Technicians, Help Desk Analysts, Systems and Network Administrators. This program uses industry-developed curriculum and is delivered on a full time basis. It will help to prepare students to challenge several vendor specific certification exams, which are not included.

Please refer to our web site for complete details.

www.btech.scas.bcit.bc.ca/sss.html

SYSTEMS SUPPORT SPECIALIST DTC \$11000

Provides the knowledge and skills to support a selected set of popular software applications, hardware, operating systems, and network systems. Specific topics may change between terms depending on the products most widely used in industry. Includes a 6-week work practicum. Registration is by special admission only. Prerequisite: Experience in Information Technology.

Apr 5 Mon-Fri 0830-1630 32 wks DTC CRN tba

Students entering this program should meet the following prerequisites:

- English 12 equivalence
- Post-secondary education or related work experience
- At least 70 per cent on pre-assessment test on computer technology
- Successful applicants must then be approved at an interview, prior to final acceptance

Please call (604) 451-7193 for more information.

