

British Columbia Institute of Technology



part-time studies

WINTER

1990

BUSINESS
ENGINEERING TECHNOLOGY
TRADES TRAINING
HEALTH SCIENCES

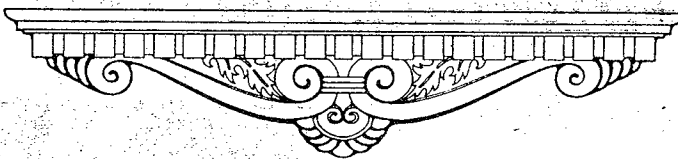
REGISTER NOW 434-1610

Use your MasterCard or Visa

WINTER TERM STARTS JANUARY 8

(A few courses start January 3)

BCIT



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Changes to Curricula, Regulations and Services

Although it is proposed to adhere to the courses and programs of study as set forth in this advertising supplement, the Institute reserves the right to make, without prior notice, whatever changes are deemed necessary to the programs of study, services or regulations. The Institute reserves the right to cancel any course, program or service.

MISSING — 10,000 BCIT GRADS!

We need to find YOU so that we can keep you informed of what's happening at BCIT.

How has your career prospered since leaving BCIT? Have you moved or married?

The news in your life is important to us so that we can tell you what's new at BCIT.

Don't be one of the missing. Please fill out and return this form to the BCIT Alumni Affairs Office, 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2.

Name _____

Address _____

Postal Code _____ Phone _____

Program Advisors will assist you with program planning and course selection. Please call for an appointment, (604) 434-3304.

CLASS LOCATIONS

BBY
Main Campus
3700 Willingdon Avenue, Burnaby

DEC
Downtown Education Centre
549 Howe Street, Vancouver

SEA
Sea Island
5301 Airport Road South, Vancouver Airport

COQ
Coquitlam College
1100 Winslow, Coquitlam

SRY
Princess Margaret School
128th Street and 72nd Avenue, Surrey

HAS
Ingleton Plaza
#207-3900 East Hastings Street, Burnaby

RIC
#110-11100 Bridgeport Road, Richmond

CLASS TIMES

Classes at all sites run for 3 hours per night, 1 or 2 nights a week, Monday through Thursday, UNLESS OTHERWISE NOTED IN COURSE DESCRIPTION OR AT REGISTRATION.

BURNABY (BBY) TRADES	1900-2200
BURNABY (BBY) TECHNOLOGY	1845-2145
COQUITLAM (COQ)	1845-2145
DOWNTOWN EDUCATION CENTRE (DEC)	1730-2030
HASTINGS ST. (HAS)	1845-2145
RICHMOND (RIC)	1845-2145
SEA ISLAND (SEA)	1900-2200
SURREY (SRY)	1900-2200

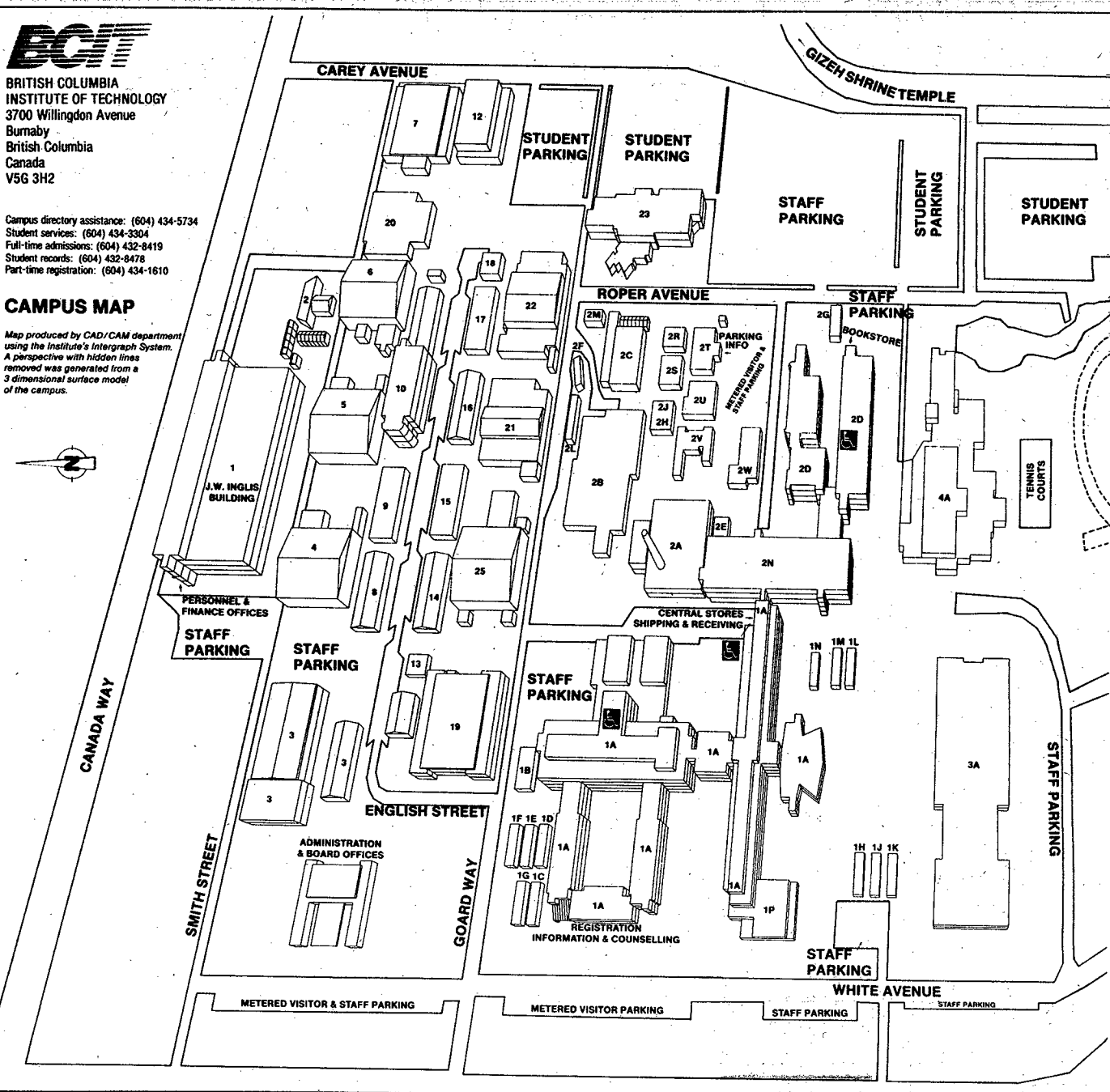


BRITISH COLUMBIA
INSTITUTE OF TECHNOLOGY
3700 Willingdon Avenue
Burnaby
British Columbia
Canada
V5G 3H2

Campus directory assistance: (604) 434-5734
Student services: (604) 434-3304
Full-time admissions: (604) 432-8419
Student records: (604) 432-8478
Part-time registration: (604) 434-1610

CAMPUS MAP

Map produced by CAD/CAM department using the Institute's Intergraph System. A perspective with hidden lines removed was generated from a 3 dimensional surface model of the campus.



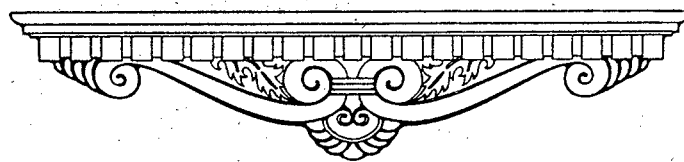
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ENROL NOW!

CLASSES START WEEK OF JANUARY 8

PHONE 434-1610

Technological expertise for health sciences firms

Small and medium-size firms in the health sciences field will now have greater access to technological expertise through a BCIT Industrial Technical Advisor (ITA).

The new ITA position, which is jointly funded by the Institute and the National Research Council (NRC), was recently filled by Nicholas Fong, the first ITA in Canada to be engaged in health-related activities.

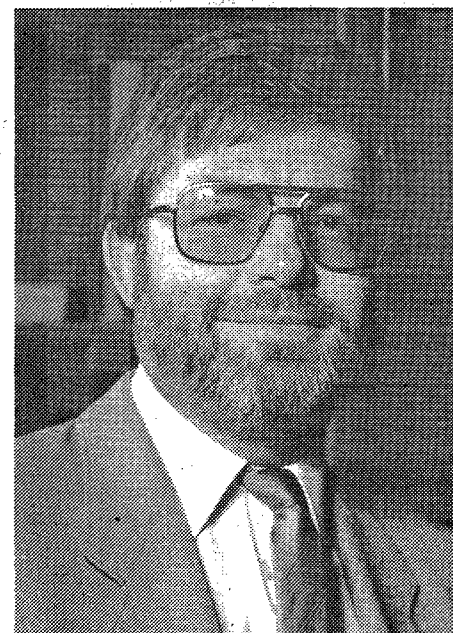
Fong is a Professional Engineer and a Certified Clinical Engineer with a B.Sc. in Physiology and a B.A.Sc. in Electrical Engineering from the University of B.C. He has worked as a biomedical engineer, taught Biomedical Electronics at BCIT, and most recently worked as a Laboratory Engineer at the SFU school of Engineering Science. His consulting work has involved industrial electronics, medical devices and software development.

As an ITA, Fong's activities will involve biomedical equipment and devices, applications of clinical engineering and technologies, and health care cost containment. He will also be assisting clients in electronics and applications of microprocessor technologies.

Fong and another ITA, Owen Edwards, whose specialty is mechanical systems technology, offer advice and assistance to business and industry through the Industrial Research Assistance Program (IRAP). Their role is to help small and medium-size firms to become more productive, profitable and internationally competitive.

The ITAs act as facilitators between the company requiring assistance with a particular problem and the resource on or off campus that can help solve the problem. The solution may be found in any number of ways, from a faculty member's expertise or specialized laboratory on campus to BCIT students working in the company or funds for development.

If you feel the National Research Council's IRAP program may benefit your company, please contact the BCIT Development Assistance Centre at 432-8373 or call Nick Fong (432-8286) or Owen Edwards (432-8317) direct.



"People come here for the specialization, the faculty expertise and the sophisticated laboratory facilities," says Vice President Education Brian Gillespie.

Second year business more accessible to transfer students

A newly established framework for the BCIT business program will make it easier for students entering the second year level from other post-secondary institutions and provide greater opportunities for specialization.

"Following over a year of discussion and input, we have restructured the business program to provide a course offering in the first year that is common to the post-secondary system in the province," says Brian Gillespie, Vice President Education.

He says the restructuring of the business program makes better use of BCIT's specialized faculty, since more students will be enrolling in the second year of the program than in first year.

"We'll make better use of resources and faculty expertise and we'll see more business students completing the two-year business program and graduating."

The idea of a common core curriculum in first year and greater specialization in second year has been successful in BCIT's nursing program. Half the first year nursing class enters community colleges around the province and then comes to BCIT for the second year of the nursing program.

"People come here for the specialization, the faculty expertise and the sophisticated laboratory facilities," says Gillespie, adding that BCIT has a similar transfer program with several community colleges in the automotive program."

Jumpstart your Career in Electronics

Next intake: January, 1990

Why not secure your future now and get started on a career in electronics?

Our nationally-recognized program enables you to:

- Earn while you learn via Coop Education
- Study at your own pace
- Specialize in one of the following major applications: Telecommunications, Microprocessor Electronics, Automation and Control, Microelectronics, Power Electronics
- Access experienced faculty and industry experts
- Choose from a variety of well paid jobs upon graduation.

We can also assist you to obtain financing, prerequisites, accommodation, etc.

For an application form call 434-3304.
For information call the Associate Dean at 432-8251.



Dr. Norman Streat, the new Director of the BCIT Technology Centre.

BCIT and IBM work together

Computer Systems Technology is working with IBM to develop a model curriculum for teaching OS/2, IBM's new operating system. The new curriculum, which can be used at the college or post-secondary level, will involve a series of workbooks and case studies to teach OS/2 concepts and principles.

IBM is contributing access to a six-station, networked PS/2 model 70 laboratory, together with all the necessary software and technical expertise. BCIT's contribution is the mindpower of our Computer Systems Technology students who will be the principal developers of the curriculum.

Not only will this project help IBM, but it also will incorporate OS/2 topics in the Computer Systems Technology curriculum, keeping it current with advances in the computer industry. A number of OS/2 related industry seminars and courses will also be offered to the general public beginning this fall.



The Downtown Education Centre.

Manufacturers profit from BCIT workshop

Production engineers and production managers went back to school this summer to learn how B.C.'s top manufacturers stay ahead. The workshop, co-sponsored by BCIT and the Science Council of B.C., was attended by 64 men and women from around the province.

Sessions included case histories from successful B.C. manufacturers on "Tooling — Moving into the Computer Age" and "Introducing Automated Assembly," as well as presentations on "Manufacturing High Technology Products in Vancouver" and "Building an Entrepreneurial Enterprise." Tours of BCIT's computer assisted drafting, robotics, computer numerical control and plastics labs were also part of the day.

According to the Science Council of B.C., those who attended "went home happy with the experience and had been inspired to put what they had learned to work." The workshop was the first in a series aimed at improving the efficiency and productivity of small to medium sized manufacturing operations in B.C.

ENROL NOW!

CLASSES START WEEK OF
JANUARY 8

PHONE

434-1610

Administrative Management

ADMN 100
Microeconomics \$160
Provides a basic understanding of microeconomic concepts. Deals with the functioning of the market-place and behavior in different competitive environments.

Jan 08	Mon	12 wks	BBY	CRN 00993
			DEC	00987
Jan 09	Tues	12 wks	BBY	08565
Jan 10	Wed	12 wks	BBY	00976
			DEC	00955
				00961
Jan 11	Thurs	12 wks	BBY	19158
Jan 16	Tues	12 wks	SRY	75387

ADMN 110
Management 1 \$160
A practical and theoretical introduction to the principal functions of modern management.

Jan 08	Mon	12 wks	BBY	CRN 01062
			DEC	82719
				01059
				29802
Jan 09	Tues	12 wks	BBY	01045
			DEC	08551
				82722
				29798
Jan 10	Wed	12 wks	BBY	01031
			DEC	82735
				01024
				29782
Jan 11	Thurs	12 wks	BBY	01013
			DEC	82741
Jan 13	Sat	12 wks	BBY	01008
	0900-1200			
Jan 15	Mon	12 wks	SRY	82753
Jan 18	Thurs	12 wks	SRY	78541
Mar 12	Mon-Fri	1 wk	BBY	78553
	0900-1630			

ADMN 124
Supervisory Skills \$160
Will increase your confidence and leadership abilities and establish a foundation for further training in supervision and management.

Jan 08	Mon	12 wks	BBY	CRN 08543
			DEC	08438
Jan 09	Tues	12 wks	BBY	00592
			DEC	00585
Jan 10	Wed	12 wks	BBY	00571
Jan 11	Thurs	12 wks	BBY	00560
			DEC	00558
Jan 13	Sat	12 wks	BBY	00546
	0900-1200			
Jan 15	Mon	12 wks	SRY	19171
Jan 16	Tues	12 wks	SRY	79039
Mar 12	Mon-Fri	1 wk	DEC	00537
	0900-1630			

ADMN 127
Training Techniques \$160
Helpful to people with responsibility for training personnel in business, industry, government and other institutions.

Jan 08	Mon	12 wks	BBY	CRN 00459
Feb 12	Mon-Fri	1 wk	DEC	29424
	0900-1630			

ADMN 200
Macroeconomics \$240
Provides a basic understanding of macroeconomic concepts and current issues. Gives students a good understanding of how and why the economy works as it does.

Jan 08	Mon	18 wks	BBY	CRN 08104
			DEC	00865
Jan 09	Tues	18 wks	BBY	00851
			DEC	88848
Jan 10	Wed	18 wks	BBY	00843
			DEC	76631
				29413
Jan 11	Thurs	18 wks	BBY	00834
Jan 13	Sat	18 wks	BBY	00826
	0900-1200			
Jan 17	Wed	18 wks	SRY	75636

ADMN 201
Counselling 1 \$160
Demonstrates that communication skills can be learned and that, through training, everyone can learn to become an effective communicator.

Jan 09	Tues	12 wks	DEC	CRN 00462
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ADMN 204
Personnel Management \$160

An overview of the functions and issues facing human resource management organizations. Students should have completed ADMN 110 and ADMN 211 before enrolling in this course.

Jan 08	Mon	12 wks	BBY	CRN 00523
			DEC	00514
Jan 09	Tues	12 wks	BBY	00509
Jan 10	Wed	12 wks	DEC	08534
Jan 11	Thurs	12 wks	BBY	08427
Mar 12	Mon-Fri	1 wk	BBY	79042
	0900-1630			

ADMN 205
***Selection Interviewing** \$160

For people who are called upon to interview applicants for employment. Students should have completed ADMN 204.

Jan 08	Mon	12 wks	BBY	CRN 00490
Jan 09	Tues	12 wks	DEC	00486
Feb 12	Mon-Fri	1 wk	DEC	30552
	0900-1700			
Mar 12	Mon-Fri	1 wk	DEC	00477
	0900-1700			

ADMN 208
Municipal Law \$160

In addition to an overview of the B.C. Municipal Act and other provincial statutes governing local government activities, this course covers areas of administrative law, constitutional law and contract law which have an impact upon municipal administrative practice.

Jan 10	Wed	12 wks	BBY	CRN 19160
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ADMN 211
***Management 2** \$160

A continuation of the study of ADMN 110 management functions.

Jan 08	Mon	12 wks	BBY	CRN 75734
			DEC	82764
Jan 09	Tues	12 wks	BBY	75799
			DEC	83136
Jan 10	Wed	12 wks	BBY	75605
			DEC	75778
Jan 11	Thurs	12 wks	BBY	75508
			DEC	82770
Jan 13	Sat	12 wks	BBY	75780
	0900-1200			
Jan 15	Mon/Wed	6 wks	SRY	75994
Jan 15	Mon	12 wks	SRY	75492
Jan 17	Wed	12 wks	SRY	88783
Mar 12	Mon-Fri	1 wk	BBY	75041
	0900-1630			

ADMN 222
***Organizational Behavior 1** \$160

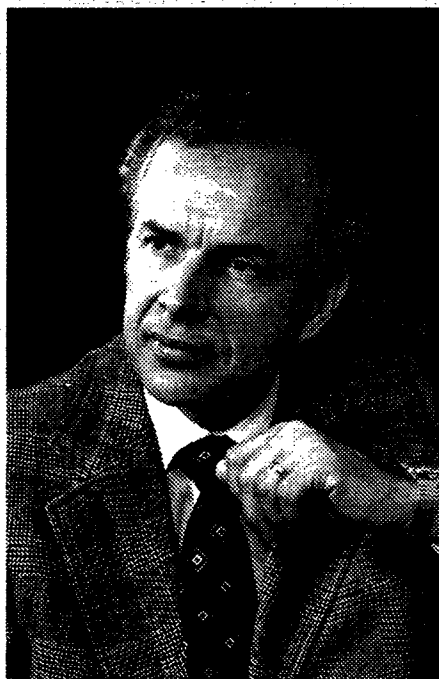
Basic behavioral theories for those with no formal background in organizational behavior. Students should have completed ADMN 110 and ADMN 211.

Jan 08	Mon	12 wks	BBY	CRN 00949
Jan 09	Tues	12 wks	BBY	00932
			DEC	00928
Jan 10	Wed	12 wks	BBY	00910
			DEC	00904
Jan 11	Thurs	12 wks	BBY	00899
			DEC	00880
Jan 13	Sat	12 wks	BBY	00878
	0900-1200			
Jan 15	Mon	12 wks	SRY	78564
Mar 12	Mon-Fri	1 wk	DEC	08128
	0900-1630			
Mar 26	Mon-Fri	1 wk	DEC	78570
	0900-1630			

ADMN 302
***Problem-Solving/Decision-Making** \$160

Participants learn to apply various techniques to problem-solving and decision-making; emphasis is on problem analysis.

Jan 10	Wed	12 wks	BBY	CRN 08968
			DEC	29408



Michael Harrison Dean, School of Business.

ADMN 304
***Human Resource Planning** \$160

For the human resource practitioner seeking an orientation to practical employment planning skills. Prerequisite: ADMN 204.

Jan 09	Tues	12 wks	DEC	CRN 29367
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ADMN 305
***Salary Administration** \$160

Covers the "hows" and "whys" of salary administration.

Jan 08	Mon	12 wks	DEC	CRN 00606
Jan 10	Wed	12 wks	BBY	19248

ADMN 306
Economic Issues \$160

This is a general economics course. It discusses such topics as: "Are the world banks going to collapse?" "Is Canada for sale?" "What does free trade mean for Canada?" A technical issues course for the non-economist. Topics will depend upon interest of students. Students in the Administrative Management Systems Certificate Program may wish to substitute the course for Micro or Macroeconomics.

Jan 09	Tues	12 wks	BBY	CRN 06906
Jan 10	Wed	12 wks	BBY	29394
			DEC	29381
Jan 13	Sat	12 wks	BBY	29375
	0900-1200			

ADMN 322
***Organizational Behavior 2** \$160

Motivational theory and its application for those who have completed ADMN 222.

Jan 08	Mon	12 wks	BBY	CRN 00779
			DEC	89919
Jan 09	Tues	12 wks	BBY	00766
			DEC	00757
Jan 10	Wed	12 wks	BBY	00744
Jan 11	Thurs	12 wks	BBY	08110
Jan 15	Mon	12 wks	SRY	78588

ADMN 324
Interpersonal Skills \$160

Helps the practitioner develop interpersonal skills through hands-on role playing and experiential learning exercises.

Jan 08	Mon	12 wks	BBY	CRN 19230
Jan 10	Wed	12 wks	BBY	06889
Mar 26	Mon-Fri	1 wk	DEC	06872
	0900-1630			

ADMN 332
Labor Relations 1 \$160

Designed for people who will benefit from knowledge of the collective bargaining process and contract administration.

Jan 08	Mon	12 wks	DEC	CRN 00817
Jan 09	Tues	12 wks	BBY	00802
Jan 11	Wed	12 wks	DEC	00798
Jan 13	Sat	12 wks	BBY	00782
	0900-1200			
Mar 12	Mon-Fri	1 wk	DEC	79015
	0900-1630			
Mar 26	Mon-Fri	1 wk	DEC	79021
	0900-1630			

BCIT's new Mandate calls on the School of Business to "focus on those initiatives which increase the level of entrepreneurial activity within the province". As we enter the 1990s, our new Advanced Diploma in Business introduces a second module of training to build on BCIT's highly-respected diploma and certificate programs.

Registrants will enhance their knowledge and skills with studies in such areas as advanced accounting, human resource management, international business, management of advanced technology and others. New programs and specializations are being developed to meet specific challenges which B.C. business and industry need to face in social, economic and technological change.

As always, BCIT's key objective remains to produce job-ready graduates.

ADMN 380
Business Law 1 \$160

A familiarization course which covers commercial law, contract law and organization of courts.

Jan 08	Mon	12 wks	DEC	CRN 00697
Jan 10	Wed	12 wks	BBY	00688
			DEC	00670
Jan 11	Thurs	12 wks	BBY	00664
Jan 17	Wed	12 wks	SRY	87216

ADMN 385
Business Law \$240

A one-term, condensed course which acquaints the business student with basic knowledge of Canadian law including the legal system, contracts, torts, sale of goods and consumer protection, secured transactions and creditors' remedies, employment law and agency, business organizations, negotiable instruments, real estate and administrative law.

Jan 10	Wed	18 wks	BBY	CRN 29356
Jan 09	Tues	18 wks	DEC	29348

ADMN 407
***Advanced Problem-Solving/Decision-Making** \$160

A continuation of ADMN 302. Prerequisite: ADMN 302.

Jan 08	Mon	12 wks	BBY	CRN 30540
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ADMN 406
Economic Issues: Financial Planning \$160

Similar to ADMN 306, tailored for financial planners. Topics include free trade, marketing boards, inflation, and government's role in economy. Students enrolled in the Administrative Management Systems Certificate Program may wish to substitute the course for Micro or Macroeconomics.

Jan 10	Wed	12 wks	DEC	CRN 06891
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MARKETING MANAGEMENT TECHNOLOGY

OFFERS BUSINESS CERTIFICATES IN:

- General Marketing
- Technical Sales
- Marketing Communications
- International Marketing
- Tourism



Broadcast Communications

ADMN 432 *Labor Relations 2 \$160

A thorough explanation of collective administration, agreements, wage issues, economic supplements, arbitration, mediation, preparation for collective bargaining and collective bargaining techniques.

Jan 08	Mon	12 wks	BBY	CRN 00733
Jan 10	Wed	12 wks	BBY	00725
			DEC	00711
Jan 11	Thurs	12 wks	BBY	00700
Mar 12	Mon-Fri	1 wk	BBY	09357
				0900-1700

ADMN 442 *Training and Development \$160

Focuses on the development of training programs and curricula for the human resource professional. Prerequisite: ADMN 127.

Jan 09	Tues	12 wks	BBY	CRN 19185
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ADMN 444 Personnel Management Systems \$160

Studies human resource information systems: selection, development uses, installation and administration.

Feb 12	Mon-Fri	1 wk	DEC	CRN 29330
				0900-1700

ADMN 480 *Business Law 2 \$160

Assignments, lectures and case studies cover Canadian law.

Jan 08	Mon	12 wks	DEC	CRN 00653
Jan 09	Tues	12 wks	BBY	82788
Jan 10	Wed	12 wks	BBY	00641
Jan 11	Thurs	12 wks	BBY	00635
Jan 13	Sat	12 wks	BBY	00622
				0900-1200
Jan 16	Tues	12 wks	SRY	08132

ADMN 916 Career Search Workshop \$144

These four-session workshops are designed for adults who wish to examine their career paths.

Jan 13	Sat	2 wks	DEC	CRN 27719
				0900-1500
Jan 18	Thurs	4 wks	BBY	78154
Feb 06	Tues	4 wks	BBY	04151
Mar 06	Tues	4 wks	BBY	78147
Mar 17	Sat	2 wks	DEC	27722
				0900-1500

BCST 101 Technical Introduction \$160

Begins with a basic introduction to the principles of electricity, magnetism, light and sound, and moves into the technical operation of equipment used in the broadcast industry. Provides a sound understanding of the technical side of broadcasting.

Jan 10	Wed	12 wks	BBY	CRN 77067
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BCST 140 Broadcast Industry Organization \$160

DIRECTED STUDY Discusses regulatory bodies, associations, government agencies, audience measurement services, societal issues, music licensing, regulations, etc., which affect the day-to-day operations of broadcasting outlets. As a directed study course, the materials direct students to sources of information on all appropriate topics. **Class will meet on the FIRST NIGHT ONLY** — all other work is done at home.

Jan 09	Tues	12 wks	BBY	CRN 19275
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BCST 143 The Music Business and the Broadcast Industry \$160

Includes the roles, responsibilities and operation of talent agencies and management; concert promotion and merchandising, song writing and publishing, copyright; record companies and manufacturing, recording studios, getting air-play on radio stations, contracts, etc.

Jan 08	Mon	12 wks	BBY	CRN 01191
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BCST 144 Writing for the Media \$160

A practical guide to freelance writing for radio and television, focusing on format, presentation, style, markets and methods. Equips you with the tools required to enter the freelance market.

Jan 11	Thurs	12 wks	BBY	CRN 01189
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BCST 145 Copywriting for Radio and Television \$218

CREATIVE MADNESS! Write commercials for television and radio. Learn professional techniques, tips, tricks and trade secrets of writing and producing commercials while maintaining your sanity and sense of humour. Career-oriented. Weekly practical application. No text required.

Jan 10	Wed	12 wks	BBY	CRN 01172
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BCST 146 Broadcast Advertising: Promotion \$160

Techniques and strategies involved in the commercial and public broadcast promotion areas. Could also appeal to those interested in a marketing career.

Jan 11	Thurs	12 wks	BBY	CRN 29635
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BCST 148 Interviewing for Radio and Television \$160

Students analyze various styles and techniques and learn how to develop their own interviewing abilities. Interview assignments are critiqued and evaluated in the class. The course concludes with each student presenting a produced interview of broadcast quality to the class.

Jan 08	Mon	12 wks	BBY	CRN 81460
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BCST 150 Radio Broadcasting Introduction \$187

The radio industry presents many exciting and challenging career opportunities. This course is for those interested in a radio career or in finding out more about "how radio works". Students are introduced to industry and station operations, equipment and procedures, and spend a great deal of time in simulated on-air operations, acting in a variety of positions as part of the on-air team.

Jan 08	Mon	12 wks	BBY	CRN 01163
Jan 11	Thurs	12 wks	BBY	01154

BCST 151 Radio and Television Announcing \$227

The announcer — disc jockey, newscaster, commercial voice — is a basic component of communication in today's world. This course introduces the basic skills required for effective "one-on-one" broadcast communication including breathing, voice control, interpretation, projection, emphasis and other essentials. A voice audition may be required.

Jan 10	Wed	12 wks	BBY	CRN 01147
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BCST 160 Television Broadcasting Introduction \$293

Television and video production of all kinds provide attractive and diverse career opportunities. This introductory course is designed for those seeking a career in television broadcasting and video production, those employed in non-production areas who wish to gain more understanding of video production, and those seeking more information about "how television works". Basic equipment operation and production procedures provide a foundation for practical work in the studio.

Jan 08	Mon	12 wks	BBY	CRN 01136
Jan 09	Tues	12 wks	BBY	01120
Jan 10	Wed	12 wks	BBY	77075

BCST 161 Film for Beginners \$261

An introduction to cinematography which discusses equipment operation, scripting, filming techniques and basic editing. An excellent foundation for those considering work in film production.

Jan 09	Tues	12 wks	BBY	CRN 05676
Jan 10	Wed	12 wks	BBY	01118

BCST 162 Dramatic Writing for Film and Television \$160

Provides a solid base for people interested in opportunities in the expanding areas of film and television dramatic script writing. Addresses a variety of topics and skills including format, style, script development, timing, etc.

Jan 08	Mon	12 wks	BBY	CRN 01105
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BCST 165 Film and Tape Techniques and Procedures \$261

Will broaden the scope of application and professionalism for those pursuing a career in the film industry, outlining procedures, methods, concepts and opportunities in this expanding field.

Jan 11	Thurs	12 wks	BBY	CRN 89451
Jan 13	Sat	12 wks	BBY	05661
				0900-1200

BCST 166 Inside Television \$187

For students considering a career in television performance or for those who want to better understand what goes on behind the TV show you enjoy. We will: analyze and conduct interviews, determine camera angles and set design, research show concepts, study live production vs. taped, design "mini-shows" from technical, creative and show content perspectives. No prerequisites but a good follow-up to BCST 160 or BCST 170.

Jan 08	Mon	12 wks	BBY	CRN 29899
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BCST 167 Production Assistant for Television News \$160

Learn the job of one of the many behind-the-scenes people who bring you TV news — the production assistant. You'll learn what goes on in the control room, how to time a show, and some of the preparation behind your nightly news.

Jan 09	Tues	12 wks	BBY	CRN 82797
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BCST 168 The Role of Line Producer \$160

Starting from a concept, students will make decisions on shooting days, personnel, equipment and cost. A budget will then be prepared. From here, the shift is on people skills. How to build a team approach without losing control... because ultimately, it is the producer who must answer the critics.

Jan 09	Tues	12 wks	BBY	CRN 89465
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BCST 170 Broadcast Journalism Introduction \$218

Introduces all aspects of news operations in the broadcast industry including basic reporting, writing and presentation of radio and TV news, newsroom operations, methods and practices, editing, line-up and content of news stories.

Jan 09	Tues	12 wks	BBY	CRN 01086
Jan 10	Wed	12 wks	BBY	05468

BCST 172 Investigative Reporting \$160

Goes beyond basic broadcast journalism training into the world of investigative journalism studying research methods, story development, interviewing, reporting techniques, etc.

Jan 10	Wed	12 wks	BBY	CRN 01077
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BCST 184 Broadcast Journalism Immersion \$296

An intensive workshop weekend during which students apply theory of BCST 170 to radio and TV newsroom operation. Students will work two 8-hour days, one in radio news and one in TV news production. Excellent opportunity to gain HANDS-ON experience. Also good course for those interested in full-time program. Prerequisite: BCST 170.

Feb 3	Sat & Sun	1 wkend	BBY	CRN 29880
				& 4 0830-1630

BCST 223 *Television Production Planning \$187

Outlines the techniques and methods for managing and organizing the details of pre-production, production and post-production activities in a studio location, television or video production, including budgeting, scheduling, modelling, crewing, etc. Prerequisite: BCST 160.

Jan 11	Thurs	12 wks	BBY	CRN 17284
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BCST 260 *Television Production Techniques \$293

A practical course designed for students who have completed BCST 160 and 223, to apply those operational, production and planning techniques in a series of focused video productions of various types. Prerequisite: BCST 160 and 223.

Jan 13	Sat	12 wks	BBY	CRN 75138
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BCST 263 *Television Technical Production \$160

The technical production of television programs for remotes, studio and electronic field productions. Students will examine the planning necessary to technically produce these highly specialized programs and visit remote broadcast locations. Students will gain skills and knowledge of equipment terminology, techniques and crew positions used in the industry.

Jan 11	Thurs	12 wks	BBY	CRN 19294
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ENROL NOW!

CLASSES START WEEK OF
JANUARY 8

PHONE

434-1610

Business Communications/ Media Techniques

MDIA 099

Photography — Entry Level \$107
Enables students to select and handle a 35 mm single lens reflex camera and accessories, and understand basic photographic concepts. Persons with an interest and no previous experience in photography are encouraged to enroll in this exploratory course to foster that interest and determine their potential. All students have to supply a 35 mm SLR camera with 50 mm lens.

Jan 10 Wed 4 wks BBY CRN 98423

MDIA 101

***Photography** \$293
Enables students to select and handle a wide variety of 35 mm equipment, accessories and film types. Students will know how to take a studio portrait and handle studio lighting equipment; how to process, plan and carry out assignments; set up a darkroom to print black and white film. MDIA 099 or permission of instructor is required to enroll in this course.

Feb 07 Wed 12 wks BBY CRN 17414

MDIA 103

Multi-image Techniques Level 1 \$251
Designed for beginners with an interest in producing slide/tape multi-image shows. Students will receive hands-on training in the theory and elements required for multi-image shows.

Jan 08 Mon 12 wks BBY CRN 29641

MDIA 104

Graphics Level 1 \$160
Introduces layout, design, illustration, printing methods, camera-ready artwork and typography. Those with an interest, but no previous experience in graphic art, are encouraged to enroll in this exploratory course to foster that interest and determine their career potential.

Jan 09 Tues/Thurs 6 wks BBY CRN 17423

MDIA 110

Introduction to Business Communications and Media Techniques \$187
As the core of the BUSINESS COMMUNICATIONS/MEDIA TECHNIQUES Program, MDIA 110 introduces students to communication tools and audio-visual techniques. Students will become familiar with audiovisual production, speaker support, multi-image and video presentations, and will understand the steps necessary to complete these projects.

Jan 08 Mon 12 wks DEC CRN 19281

MDIA 201

***Advanced Photography** \$324
Enables students to plan and carry out a variety of assignments in a professional way; take professional portraits, select and handle medium format camera equipment and studio lighting, set up a darkroom for advanced printing, set up and organize a small studio, work from a layout to meet a client's requirements, put together a portfolio and make a presentation. MDIA 101 or permission of instructor is required to register in this course.

Jan 09 Tues 12 wks BBY CRN 17437

MDIA 202

***Advanced Darkroom Techniques** \$160
Students develop the basic skills required to make high quality enlargements in black and white and color from negatives and transparencies, using sophisticated darkroom equipment and techniques. Gives the commercial photographer and the serious amateur the knowledge and experience to set up their own darkroom and deal with photographic labs at a professional level. All darkroom materials and chemicals are included. Students must have a 35 mm camera with lens. MDIA 101 or permission of instructor is required to register in this course.

Jan 08 Mon 12 wks BBY CRN 17446

MDIA 204

***Graphics Level 2** \$160
A continuation of MDIA 104. Students develop their graphic art skills in layout, design and mechanical artwork for 4 color printing; paper selection, print production, commercial photography, costing and estimating. Includes a tour of a large printing plant.

Feb 20 Tues/Thurs 6 wks BBY CRN 17458

MDIA 206

Effective Presentation Techniques \$160
A comprehensive program designed for anyone who makes business, training or sales presentations. Part one deals with written presentations and teaches students the proper use of grammar. Part two focuses on effective speaking techniques including proper breathing, emphasis, phrasing, etc.

Jan 11 Thurs 12 wks BBY CRN 19256

MDIA 207

Video for Business \$160
For people interested in using video to communicate with employees, customers, investors and other members of the public. The student will learn how to plan and organize a video production and will write a proposal, treatment, budget and script. The student will also become acquainted with the technical resources (crew, equipment, etc.) necessary to mount a production.

Jan 10 Wed 12 wks DEC CRN 17471

MDIA 301

***Professional Photography** \$324
Enables students to set up and manage a commercial studio; select and handle large format cameras and accessories and studio lighting equipment; understand how to market services to prospects and create a working relationship with clients; do a variety of assignments and work from layouts. Students will learn the professional techniques for developing a powerful personal portfolio. Students need only have 35 mm equipment for this course. MDIA 201 or permission of instructor is required to register.

Jan 11 Thurs 12 wks BBY CRN 17485

MDIA 304

Computer Generated Graphics \$371
The use of computers has altered the way business communicators develop print and slide graphics. Students receive a hands-on opportunity to learn the theory and development of computer graphics and their use in business presentations. Course is limited to 10 students. A passing knowledge of DOS is preferred.

Jan 09 Tues 12 wks ** CRN 29744

Jan 11 Thurs 12 wks ** 29733

**1237 Howe Street
Vancouver

Canadian Institute of Travel Counsellors

CITC 200

Canadian Institute of Travel Counsellors Phase 2 \$159
All students must be employed full-time as travel agents at the time of taking this course.

Jan 09 Tues 12 wks DEC CRN 75882



(Left to right): Gordon Farrell BCIT Associate Dean, Richard Lancaster BCIT Instructor, Michael Harrison BCIT Dean of Business, David Heyes and Wendy Reithofer (front).

CERTIFICATE PROGRAM IN BUSINESS COMMUNICATIONS/ MEDIA TECHNIQUES

This new program is designed for people with an interest in sales, marketing, training, public relations, motivation, fundraising and internal corporate communications. Students will learn and develop the current skills and techniques used in corporate, industrial, educational and marketing communication. Basic courses provide a pragmatic grounding; the skills will be applicable immediately.

The complete Certificate Program integrates BUSINESS COMMUNICATIONS/MEDIA TECHNIQUES courses with those from other disciplines. Students have a wide range of electives from which to choose, so they can develop a program that meets their specific needs and goals.

The BUSINESS COMMUNICATIONS/MEDIA TECHNIQUES Certificate Program requires the completion of the following 9 basic and 6 elective courses chosen from the offerings listed below.

REQUIRED BASIC COURSES

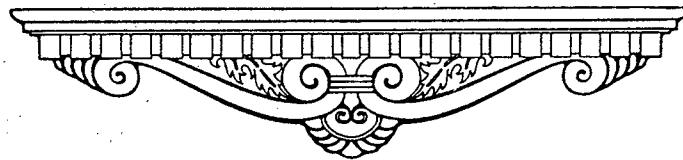
MDIA 110 Intro to Business Communications/Media Techniques	MDIA 207 Video for Business
MDIA 101 Photography	BCST 160 Television Broadcasting Introduction
MDIA 103 Multi-image Techniques Level 1	BCST 161 Film for Beginners
MDIA 104 Graphics Level 1	COMM160 Intro to Business and Technical Communication
MDIA 206 Effective Presentation Techniques	

ELECTIVE COURSES

BCST 252 Radio: Commercial and Audio Production	MKTG322 Advertising 1
MDIA 204 Graphics Level 2	MKTG324 Small Business Development
MDIA 304 Computer Generated Graphics	MKTG348 Media Planning and Buying
MDIA 201 Advanced Photography	MKTG323 Public Speaking and Oral Communication
MDIA 301 Professional Photography	MKTG427 Creative Advertising Design
MDIA 202 Advanced Darkroom Techniques	BCST 145 Copywriting for Radio and TV
FMGT109 Accounting for the Manager	BCST 148 Interviewing for Radio and Television
ADMN124 Supervisory Skills	COMM171 Business Reports
MKTG101 Marketing 1	COMM175 Letters and Memos
MKTG201 Marketing 2	COMM183 Technical Reports
MKTG218 Introduction to Media	AICO 976 Desktop Publishing
MKTG219 Professional Sales 1	
MKTG321 Public Relations	

Other elective courses are being developed. Check future flyers for additional choices. Not all courses are offered every term. Check current flyers under BUSINESS COMMUNICATIONS/MEDIA TECHNIQUES or other areas such as BROADCAST COMMUNICATIONS or MARKETING for current offerings and specific course descriptions.

FOR FURTHER INFORMATION, CALL: 432-8809, 432-8748 or 432-8863.
TO REGISTER IN A COURSE, CALL: 434-1610. ENROL NOW!



BCIT people sweep the honors at CMA convocation

At the recent Society of Management Accountants of B.C. convocation in Vancouver, two graduates and an instructor from BCIT's School of Business were awarded Provincial Medals and Corporate Awards for outstanding achievement. David W. Heyes, Dipl.Tech. (Operations Management, '81), CMA, received the Provincial Gold Medal and the Robert Half Award. Wendy A. Reithofer, Dipl.Tech. (Administrative Management, '82), CMA, received the Provincial Silver Medal and the Bank of Montreal Award. Richard K. Lancaster, B.Sc., M.Sc., M.B.A. (Accounting Instructor, Part-time Studies), CMA, received the provincial Bronze Medal and The Reed Stenhouse Award.

These honors were awarded by SMABC for highest average marks in the final examinations for the Certified Management Accountant professional designation.

Program Advisors will assist you with program planning and course selection. Please call for an appointment, (604) 434-3304.

FMGT 201 Accounting 2 \$240

Follow up course to FMGT 101. Examines financial and management accounting techniques, detailed financial statements and management reports, and the requirements of professional accountants.

Jan 08	Mon	18 wks	BBY	CRN 79420
			DEC	79359
Jan 09	Tues	18 wks	BBY	79270
	1730-2030			79308
			DEC	79345
Jan 10	Wed	18 wks	BBY	79151
			DEC	79313
Jan 11	Thurs	18 wks	BBY	79288
			DEC	79324
Jan 13	Sat	18 wks	BBY	79297
	0900-1200		DEC	79331
Jan 15	Mon	18 wks	SRY	84277
Jan 17	Wed	18 wks	SRY	29509

FMGT 215 Accounting 2S \$160

Follow-up course to FMGT 115, enabling students to complete the last 12 weeks of the basic accounting course.

Jan 10	Wed	12 wks	BBY	CRN 88740
			DEC	29490

FMGT 293 Working Capital Management \$160

Enables students to understand the relationships between current assets and current liabilities in different types of organizations, to appreciate the trade-offs inherent in a firm's working capital policy, and to carry out a basic analysis of a firm's working capital management in comparison to others.

Jan 11	Thurs	12 wks	BBY	CRN TBA
			DEC	TBA

FMGT 308 Security Analysis 1 \$160

Techniques and principles of security analysis; evaluation of securities; analysis of risks inherent in all types of security investments. Emphasizes the investment setting, the securities market, financial statement analysis, investment timing and portfolio analysis of both individual and institutional investors.

Jan 10	Wed	12 wks	BBY	CRN 89737
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Financial Management

FMGT 101 Accounting 1 \$160

For individuals with little or no accounting background. Covers the full accounting cycle. (See FMGT 115 prior to registration in this course.)

Jan 02	Correspondence	36 wks	\$210	CRN 03545
				78458
Jan 02	Reregistration	\$32		98446
Jan 08	Mon	12 wks	**	04848
Jan 11	Thurs	12 wks	BBY	84950
			DEC	89746
Jan 16	Tues	12 wks	SRY	29592
Jan 17	Wed	12 wks	SRY	89758

**BC Tel employees only

FMGT 104 Accounting Essentials for your Small Business \$160

Covers the minimum that the proprietor of a business should be familiar with. Topics include recordkeeping, budgeting and cash flow, financial statements, funding mechanisms and legal requirements.

Jan 11	Thurs	12 wks	DEC	CRN 05655
Jan 18	Thurs	12 wks	SRY	29585

FMGT 106 Credit and Collections \$160

For persons with little or no experience of the field who contemplate employment in credit and collection.

Jan 11	Thurs	12 wks	BBY	CRN 00150
			DEC	00142

FMGT 109 Accounting for the Manager \$160

The accounting function and the services it provides the manager. How to interpret statements, reports, budgets, etc., in managerial decision-making.

Jan 08	Mon	12 wks	DEC	CRN 00115
Jan 09	Tues	12 wks	BBY	00139
Jan 10	Wed	12 wks	DEC	19203
Jan 11	Thurs	12 wks	BBY	00121
Jan 15	Mon	12 wks	SRY	29571
Jan 17	Wed	12 wks	SRY	79253

FMGT 112 Managerial Finance \$160

Students develop a working understanding of business finance, cash flow management and financial planning for large and small businesses.

Jan 11	Thurs	12 wks	BBY	CRN 00107
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FMGT 115 Accounting 1L \$240

Enables students to start the basic course in accounting in January and complete the next course prior to summer by registering in FMGT 215. It is the equivalent of FMGT 101 and the first six weeks of FMGT 201 for a total of 18 weeks of the 30-week presentation.

Jan 08	Mon	18 wks	BBY	CRN 79007
			DEC	29560
Jan 09	Tues	18 wks	BBY	79165
	1730-2030			29766
			DEC	79222
Jan 10	Wed	18 wks	BBY	79235
	1730-2030			79178
Jan 11	Thurs	18 wks	BBY	79206
			DEC	79180
Jan 13	Sat	18 wks	BBY	79241
	0900-1200			79199
Jan 16	Tues	18 wks	SRY	29558
Jan 17	Wed	18 wks	SRY	89906

FMGT 116 Introduction to Financial Accounting \$399

For those students who wish to complete Accounting 1 and 2 in a single term. For course content, refer to FMGT 101 and 201. Students must have an accounting background and be prepared to work between 10 and 15 hours per week in addition to class time.

Jan 08	Mon/Wed	15 wks	BBY	CRN 04856
			DEC	04875
Jan 09	Tues/Thurs	15 wks	BBY	04900
			DEC	04367

FMGT 118 Intermediate Managerial Finance \$160

Covers a broad range of corporate finance theories and teaches practical financial management skills as they apply to large and small business operations: Financial statement analysis, financial planning and cash flow forecasting, working capital management, short term and long term sources of financing, and capital budgeting. Prerequisite: FMGT 101 and 201 or equivalent.

Jan 10	Wed	12 wks	BBY	CRN 29546
Jan 11	Thurs	12 wks	DEC	29537
Jan 16	Tues	12 wks	SRY	29523

FMGT 119 Personal Financial Planning 1 \$160

Introduces a variety of savings and investment aspects to enable you to build a sound program to achieve long term financial goals. Lectures and discussions provide an interesting course for individuals of all ages. Topics include money management, insurance, investments and portfolio distribution, wills, estates, pension management, tax planning.

Jan 02	Correspondence	36 wks	\$244	CRN 18016
				18157
Jan 2	Reregistration	\$32		18027
Jan 08	Mon	12 wks	DEC	05628
Jan 11	Thurs	12 wks	BBY	29514

Starting a promising venture? Want to improve your odds?

BCIT now has the program for you. The Venture Program will be first offered to 20 selected men and women in November, 1989.

The Venture Program is NOT about becoming an entrepreneur — you are already committed. Your 2-to-3 months with us will be spent developing the techniques which will greatly increase your likelihood of success — achieving maximum personal effectiveness, improving your marketing focus, tightening your strategic plan, attracting appropriate financing, overcoming risk and building your resource base and access to key contact. Ultimately you will leave with a fully operational document — your business plan. Your final exam will be given by the marketplace.

Write us in confidence. Give a brief description of your business. Tell us about your background and experience in your field. Indicate what you want to achieve in this program.

Act quickly — enrollment is very limited.

THE VENTURE PROGRAM

Attention: Lorne Fingarson
Director of Business Client Studies
School of Business, BCIT
3700 Willingdon Avenue
Burnaby, B.C. V5G 3H2
Enquiries: 432-8645 or 432-8445

ASSOCIATE CERTIFICATE FINANCIAL PLANNING

BCIT and the Pacific Chapter of the Canadian Association of Financial Planners are pleased to announce these courses leading to a BCIT Associate Certificate in Financial Planning. Each of the courses is offered at our Downtown Campus at 549 Howe Street, Vancouver. Class times are 1730-2030.

ADMN 406 Economic Issues in Financial Planning

ADMN 380 Business Law 1 (or ADMN 385)

FMGT 109 Accounting for the Manager (or FMGT 101)

FMGT 119 Personal Financial Planning 1

FMGT 317 Taxation and Financial Planning

FMGT 325 Investment and Risk Management

FMGT 444 Personal Financial Planning 2

FOR INDIVIDUAL COURSE DESCRIPTIONS, SEE THE LISTINGS UNDER FINANCIAL MANAGEMENT AND ADMINISTRATIVE MANAGEMENT.

Program Information:

Gordon Farrell, Associate Dean
Financial Management Technology.
Telephone: (604) 432-8898

ENROL NOW!

CLASSES START WEEK OF
JANUARY 8

PHONE

434-1610

FMGT 314

***Financial Accounting 1 & 2 Accelerated** \$398
Equivalent to FMGT 302 and FMGT 402, this course offers both financial accounting courses in 15 weeks. Prerequisite: FMGT 201 or 215 or 116.
Jan 08 Mon/Wed 15 wks BBY CRN 79405
Jan 09 Tues/Thurs 15 wks DEC 79418

FMGT 315

Security Analysis \$160
Provides the student with an understanding of the function and operation of the stock market.
Jan 10 Wed 12 wks DEC CRN 00063

FMGT 316

***Taxation 1** \$160
Upon completion, students should have a good understanding of the general rules of taxation including determination of residency, income, application of CCA and the taxation of capital gains.
Jan 08 Mon 12 wks BBY CRN 79362
Jan 09 Tues 12 wks BBY 79377
DEC 19192
Jan 10 Wed 12 wks BBY 79386
DEC 79390

FMGT 317

***Taxation and Financial Planning** \$160
The financial planner must have a good understanding of the general rules of taxation, including determination of residency, income, application of CCA and the taxation of capital gains. Prerequisite: FMGT 101 or 109.
Jan 10 Wed 12 wks DEC CRN 19212

FMGT 319

***Cost and Managerial Accounting 1L** \$240
Permits students to start Cost Accounting in January. This course is equivalent to FMGT 301 and the first 6 weeks of FMGT 401 for a total of 18 weeks of the 30 week presentation.
Jan 08 Mon 18 wks BBY CRN 00091
DEC 29486
Jan 15 Mon/Wed 9 wks SRY 29477

CREDIT COURSES TO PROFESSIONAL ACCOUNTING BODIES

The following courses are usually transferable for credit to the Institute of Chartered Accountants of B.C., The Certified General Accountants Association of B.C. and The Society of Management Accountants of B.C. The individual requirements of these groups are your responsibility. Please contact them directly or Gordon Farrell, Associate Dean, Financial Management, BCIT School of Business, (604) 432-8898.

BCIT Courses Eligible for Credit

ADMN 100/200	FMGT 301/401
ADMN 222/322	FMGT 307/404
ADMN 380/480	FMGT 314
ADMN 385	FMGT 316/408
BCOM 104/204	FMGT 319/419
COMP 104	FMGT 320/420
FMGT 302/402	OPMT 132
COMP 160/260	OPMT 186/188
FMGT 101/201	OPMT 197
FMGT 115/215	OPMT 296
FMGT 116	OPMT 315

FOR DETAILED INFORMATION ON THESE COURSES, SEE THE APPROPRIATE SECTIONS OF THIS FLYER.

FMGT 320

***Financial Accounting 1L** \$240
Permits students to start Financial Accounting in January. It covers the equivalent of FMGT 302 and the first 6 weeks of FMGT 402 for a total of 18 weeks of the 30-week presentation.
Jan 08 Mon/Wed 9 wks BBY CRN 04491
Jan 10 Wed 18 wks DEC 00072
Jan 11 Thurs 18 wks BBY 00089
Jan 16 Tues/Thurs 9 wks SRY 29462

FMGT 322

***Micro Based Accounting** \$240
Enables individuals with an introductory financial accounting background to utilize this knowledge in a computerized setting. Students progress through two microcomputerized accounting packages that provide the flexibility to adapt to many accounting packages currently available. Upgrades the ability to handle modern accounting software packages on the microcomputer.
Jan 11 Thurs 12 wks BBY CRN 05632

FMGT 325

***Investment and Risk Management** \$160
An overview of Canada's capital markets including a review of securities, international funds, insurance aspects and other financial institutions. Emphasizes portfolio input from a financial planning perspective. Prerequisite: FMGT 119.
Jan 11 Thurs 12 wks DEC CRN 19229

FMGT 331

***Money and Banking** \$160
The study of money and money substitutes, currency supply, creation of credit; uses of money; practices, policies, functions and services of commercial banks; central banking and monetary control; objectives and techniques of monetary policy and debt management; financial assets and financial markets; money and the international economy.
Jan 08 Mon 12 wks BBY CRN 29459

FMGT 339

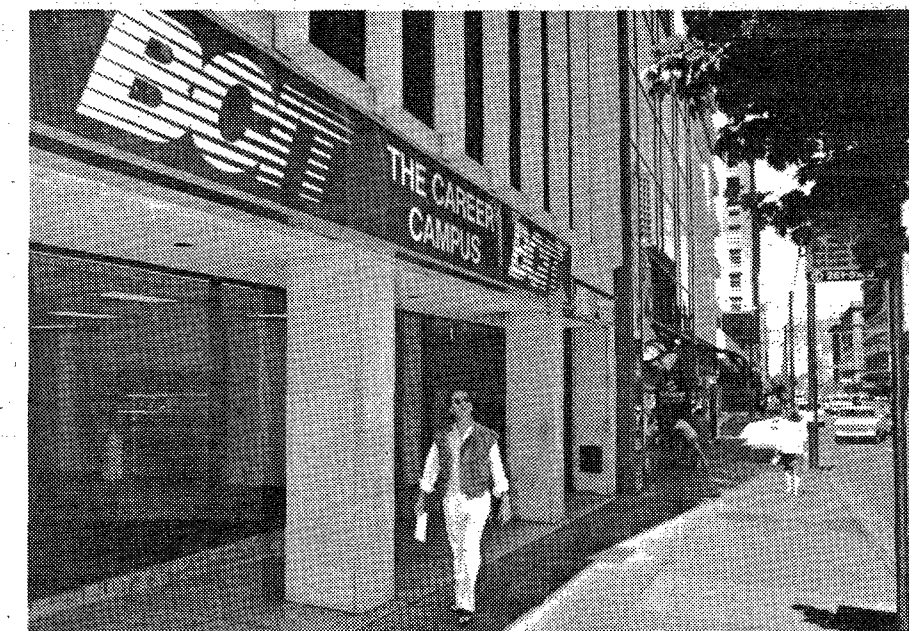
***Finance 1L** \$240
Topics include control and financial management of the business firm, profit planning, cash and capital budgeting and inventory control.
Jan 11 Thurs 18 wks BBY CRN 30906

FMGT 401

***Cost and Managerial Accounting 2** \$240
Emphasizes direct costing, relevant costs, cost allocation, capital budgeting; inventory planning and valuation, joint and by-product costs, process costing, payroll; factory ledgers and decentralization and transfer pricing.
Jan 08 Mon 18 wks BBY CRN 00054
DEC 00036
Jan 10 Wed 18 wks BBY 00047

FMGT 402

***Financial Accounting 2** \$240
Students develop sufficient accounting knowledge for an intermediate level financial accounting position, and exemption (subject to achieving a prescribed mark) from the equivalent course offered by certain professional accounting bodies, if continued studies are intended for professional designation.
Jan 08 Mon 18 wks BBY CRN 00020
Jan 09 Tues 18 wks DEC 00005
Jan 10 Wed 18 wks BBY 00018
Jan 11 Thurs 18 wks DEC 84551



FMGT 404

***Finance 2** \$240
How to raise capital to finance a firm. Topics include the cost of capital; short, medium and long term financing, leasing; refinancing; security analysis; the Canadian capital and money markets, and pension portfolios as they affect business decisions of the Canadian firm.
Jan 09 Tues 18 wks BBY CRN 99996
Jan 10 Wed 18 wks DEC 99973
Jan 11 Thurs 18 wks BBY 99984

FMGT 406

***Auditing 2** \$240
Students study general auditing principles and specific audit procedures and learn to critically assess accounting procedures.
Jan 11 Thurs 18 wks BBY CRN 99968

FMGT 408

***Taxation 2** \$160
Expands the study of Canadian Income Tax begun in FMGT 316 and introduces some complexities and problem areas involving personal, corporate and trust taxation.
Jan 08 Mon 12 wks BBY CRN 78601
Jan 09 Tues 12 wks BBY 78616
Jan 10 Wed 12 wks BBY 29445
DEC 78597

FMGT 410

***Security Analysis 2** \$160
Techniques and principles of security analysis; valuation of securities; analysis of risks inherent in all types of fixed income investments. Emphasizes the investment setting, the securities market, investment timing and portfolio analysis of both individual and institutional investors.
Jan 08 Mon 12 wks BBY CRN 17825

FMGT 415

***Advanced Accounting** \$240
For those students who have taken at least one semester of intermediate accounting. Reviews GAAP and objectives of financial reporting. Examines corporate combinations including consolidations for wholly owned subsidiaries, non-wholly owned subsidiaries (both in the year of acquisition and subsequent years), and pooling of interest. Consolidations will be examined for up to 2 subsidiaries. Accounting for foreign currency transactions, fund accounting and branch operations. Prerequisite: FMGT 302.
Jan 11 Thurs 18 wks BBY CRN 18038

FMGT 435

***Cost and Managerial Accounting 1 & 2** \$398
Combination of FMGT 301 and 401.
Jan 09 Tues/Thurs 15 wks BBY CRN 07773

FMGT 441

***Financing International Trade** \$160
Covers the various financing methods in both import and export situations. Documentation requirements are thoroughly covered. Students become familiar with the operation of foreign exchange markets and methods of financing foreign investment. Prerequisite: FMGT 101 or 109.
Jan 11 Thurs 12 wks BBY CRN 05649

FMGT 444

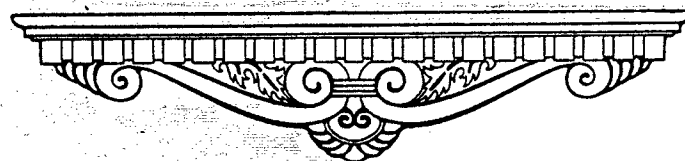
Personal Financial Planning \$160
An in-depth look at the topics commenced in FMGT 119. Prerequisite: FMGT 109, 119, 316 or 317, 325, ADMN 380 or 385, and ADMN 406.
Jan 09 Tues 12 wks DEC CRN 19515

LANGUAGE COURSES

The Tourism Option of the Marketing Department offers the following language courses:

- TOUR 212 Basic Communication in Japanese
- TOUR 213 Basic Communication in French
- TOUR 214 Basic Communication in Spanish
- TOUR 313 Communication in French 2

Check the TOURISM section of this flyer for further information.



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CLASSES START WEEK OF
JANUARY 8

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Interior Design

INTD 100
Interior Design Basic \$160
Introduces the field of Interior Design. Students will gain a good understanding of the interior design art form.

Jan 08	Mon	12 wks	BBY	CRN 99860
			DEC	99846
Jan 11	Thurs	12 wks	DEC	82824
Jan 13	Sat	12 wks	BBY	99858
				0900-1200

INTD 101
***History of Furniture** \$160
The history of furniture from ancient Egypt to the present.

Jan 09	Tues	12 wks	DEC	CRN 77633
Jan 10	Wed	12 wks	BBY	88774

INTD 102
Interior Design Drafting 1 \$346
Aspects of architectural drafting beginning with lettering, equipment awareness and technical vocabulary.

Jan 08	Mon/Wed	12 wks	DEC	CRN 29817
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INTD 200
***Color** \$160
Provides students with the necessary knowledge of color and lighting to enable them to carry out the duties of an assistant in an interior design business.

Jan 09	Tues	12 wks	BBY	CRN 88593
Jan 10	Wed	12 wks	DEC	99837

INTD 202
***Interior Design Drafting 2** \$346
Presents isometric views, shadow and light. Provides training in the presentation of sections through walls, windows, doors and other architectural components. Focuses on the presentation of one and two-point perspective.

Jan 09	Tues/Thurs	12 wks	BBY	CRN 99823
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INTD 301
***Graphic Presentation** \$160
Students will be able to graphically present design plans, elevations and perspectives.

Jan 11	Thurs	12 wks	DEC	CRN 09344
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INTD 305
***Detailing and Materials** \$160
The properties, characteristics and uses of materials used for interior construction, custom furnishing and decor. Introduces methods and techniques for the preparation of working drawings for interior construction elements, building components, millwork, custom furniture and built-in cabinets.

Jan 09	Tues	12 wks	DEC	CRN 99814
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INTD 404
***Space Planning 2** \$160
Introduces factors in commercial space planning, and problem-solving using recognized factors. Topics include offices, restaurants and retail stores.

Jan 10	Wed	12 wks	DEC	CRN 99809
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HOSP 313
Labor, Food and Beverage Cost Control \$160

Explores the many areas of control systems demanded by the hospitality industry today. Personnel, purchasing, inventory control, labor and cost controls embody this course.

Jan 09	Tues	12 wks	BBY	CRN 08578
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HOSP 357
Marketing and Sales: Accommodation and Food Service \$160

An introduction to techniques and principles of basic marketing and sales, emphasizing the hospitality industry.

Jan 10	Wed	12 wks	BBY	CRN 99885
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HOSP 412
Hospitality Management Accounting \$160
Students study hotel and restaurant departmental income statements and balance sheets, enabling them to interpret and analyze the results.

Jan 11	Thurs	12 wks	DEC	CRN 99871
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Non Credit Food Courses

COOK 903
Cooking TQ Refresher \$139

An in-depth theory course for people who are serious about writing the Trades Qualification Examination to become a professional cook. All areas of the profession are taught in theory only including food costing and kitchen management.

Jan 09	Tues	10 wks	BBY	CRN 17310
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COOK 917
Game Cutting \$110

For everyone who hunts and wishes to learn how to cut game properly. This course will teach you how to break down carcasses into primary and secondary cuts and the best methods of wrapping, storing and cooking them.

Jan 10	Wed	4 wks	BBY	CRN 30941
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COOK 975
Kitchen Management \$134

Menu planning, analysis of different menu styles, yield testing — what the actual cost of food is to serve after cooking; purchasing - specification and related food knowledge; receiving and storing - proper procedures for distribution; sanitation - procedures for a food operation; inventory control - techniques of food cost percentage; food service - kitchen and service area layout to maximize staff efficiency and customer comfort; cost controls - daily charts, percentages, food and labor costing, menu pricing.

Jan 11	Thurs	6 wks	BBY	CRN 30919
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HOSP 205
Front Office Procedures \$160

Provides theoretical and simulated training in the main aspects of the jobs of front office personnel. Includes information on reservation systems, guest services, front desk, PBX department and hotel security.

Jan 09	Tues	12 wks	BBY	CRN 99915
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HOSP 207
Front Office Equipment Practicum \$123

Enables students to operate a variety of machines and systems used in hotels, to develop guest accounts and balance daily nightly audits. Computer applications are an integral part of this course.

Jan 12	Fri	2 wks	BBY	CRN 79436
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Feb 02	Fri	2 wks	BBY	82808
				1845-2145; Sat/Sun 0900-1400

HOSP 210
Bartending Practices \$240

A competency-based practicum for home entertaining or for entry level employment in lounges, pubs and restaurant bars.

Jan 08	Mon/Wed	6 wks	BBY	CRN 98414
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Jan 13	Sat/Sun	3 wks	BBY	98437
				0900-1530

HOSP 211
Orientation and Techniques for the Executive Housekeeper \$160

An introduction to the growing field of executive housekeeping. Housekeeping, personnel, systems, costing and controls are covered in this comprehensive course.

Jan 11	Thurs	12 wks	DEC	CRN 82813
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HOSP 306
Bar Management: Lounges and Pubs \$160

Familiarizes students with the day-to-day operations of a bar manager. For bar managers, owners or bartenders wishing to develop their management skills.

Jan 10	Wed	12 wks	BBY	CRN 99907
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HOSP 307
Understanding Wines 1 \$160

The major aspects of wine growing, manufacture, marketing, storing, serving, for persons employed in the restaurant industry; also of interest to the general public.

Jan 10	Wed	12 wks	DEC	CRN 99892
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Hospitality Administration

HOSP 112
Customer Relations/Communication Skills \$160

For travel clerks, ticket agents, restaurant staff, desk clerks and others serving, or anticipating serving, the travelling public.

Jan 09	Tues	12 wks	DEC	CRN 99942
Jan 11	Thurs	12 wks	BBY	99950

HOSP 132
Career Exploration for the Hospitality Industry \$81

Discusses career opportunities in hotels, motels, food service operations, resorts and related industries.

Jan 10	Wed	6 wks	BBY	CRN 75765
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HOSP 203
Introduction to Food and Beverage Management \$160

This course is directed to the student training for management and the individual entering the food and beverage field for the first time.

Jan 08	Mon	12 wks	BBY	CRN 99921
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The Marketing Department is pleased to announce that they will be offering the following Marketing and Tourism courses at the Sea Island Campus in Richmond, in addition to the Burnaby Campus and the Downtown Education Centre. Check the appropriate section of the flyer for times and dates.

MKTG 101	Marketing 1
MKTG 219	Professional Sales 1
MKTG 321	Public Relations
TOUR 161	Tourism Fundamentals
TOUR 350	Domestic Air
TOUR 351	International Air

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CLASSES START WEEK OF
JANUARY 8

PHONE

434-1610

Marketing Management

MKTG 101 Marketing 1 \$160

The first of a 2-part, in-depth look at the field of marketing. Provides an introduction to the marketing environment and includes a detailed study of basic marketing functions, target marketing, marketing research, segmentation, industrial and service marketing. Covers marketing of consumer goods with reference to industrial goods.

Jan 08	Mon	12 wks	BBY	CRN 01334
			DEC	77820
			SEA	77906
Jan 09	Tues	12 wks	BBY	29878
			DEC	01326
			SEA	84968
Jan 10	Wed	12 wks	BBY	77625
			DEC	77836
			SEA	77919
Jan 11	Thurs	12 wks	BBY	01317
			DEC	89709
Jan 13	Sat	12 wks	BBY	05043
			SEA	
Jan 16	Tues	12 wks	SRY	75273

MKTG 107 Marketing Strategies for the Fashion Industry \$122

Investigates, develops and implements specific marketing strategies for the fashion industry. A practical look at the world of fashion.

Jan 10	Wed	9 wks	DEC	CRN 87173
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MKTG 111 Retail Fashion Buying \$122

Develops a practical and comprehensive knowledge of merchandise buying functions. Coverage includes product research, developing assortments and buying techniques.

Jan 08	Mon	9 wks	DEC	CRN 30368
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MKTG 112 Customer Relations \$160

For people involved in service industries, public relations and promotion, government agencies, and organizations who deal with the public. Students cover telephone techniques, customer relations and effective speaking.

Jan 09	Tues	12 wks	DEC	CRN 29653
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MKTG 118 Introduction to Sales Promotion \$160

Provides an overview of sales promotion techniques for marketing and advertising campaigns. Students develop realistic sales promotion campaigns through major project applications.

Jan 09	Tues	12 wks	DEC	CRN 05078
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MKTG 201 Marketing 2 \$160

A continuation of MKTG 101, this course examines the marketing of consumer and industrial goods. Product planning, advertising, wholesaling, distribution and pricing are covered.

Jan 08	Mon	12 wks	BBY	CRN 01298
			DEC	01302
			SEA	77922
Jan 09	Tues	12 wks	BBY	01282
			DEC	18392
Jan 10	Wed	12 wks	DEC	89698
Jan 11	Thurs	12 wks	BBY	01279
			DEC	77935
Jan 17	Wed	12 wks	SRY	75268

MKTG 205 Marketing Services \$160

Covers the development of a marketing mix for companies in service industries. The course focuses on the difference between developing strategies for services rather than products.

Jan 08	Mon	12 wks	DEC	CRN 18360
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MKTG 218 Introduction to Media \$160

For advertising agency and media sales personnel, and individuals considering career entry in the advertising industry.

Jan 08	Mon	12 wks	DEC	CRN 05051
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MKTG 219 Professional Sales 1 \$160

Students develop selling techniques through practical role playing and video tape recording for critique and analysis.

Jan 08	Mon	12 wks	BBY	CRN 83710
			DEC	79769
Jan 09	Tues	12 wks	BBY	79774
			SEA	29851
Jan 10	Wed	12 wks	BBY	79783
			DEC	88068
Jan 11	Thurs	12 wks	BBY	79795
Mar 12	Mon-Fri	1 wk	BBY	79803
			SEA	0900-1600

MKTG 220 Managing the Sales Force \$160

Examines the general principles of sales management. Emphasizes the selection, assimilation, training and supervision of sales staff, sales research, planning, organization and analysis, and computer applications in sales management.

Jan 08	Mon	12 wks	BBY	CRN 27808
Jan 09	Tues	12 wks	DEC	27813

MKTG 318 Media Planning \$160

Development and execution of a media plan. Close contact is maintained with agency media buyers and others to ensure a practical direction to the course. Quantitative media planning techniques are evaluated in light of recent computer applications. The main objective of this course is to provide marketable skills in media planning and buying to qualify students for career entry consideration in advertising agencies.

Jan 10	Wed	12 wks	DEC	CRN 76943
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MKTG 319 Professional Sales 2 \$160

Lectures, films and class discussion will be used to cover the techniques and motivational skills of selling: sales interview process; buying motives; product knowledge; prospecting; approaches; selling more; closing; selling the idea; getting attention; organization; goals; arousing interest; talking benefits; desire; no is not the end; power phrases. The key element of this course will be the development of individual sales presentations by students, focusing on personal presentation skills.

Jan 08	Mon	12 wks	DEC	CRN 01266
Jan 09	Tues	12 wks	BBY	18385

MKTG 321 Public Relations \$160

The planning and execution of a public relations program. Communication techniques, principles of news writing and preparation of news photographs, press and community relations, external and internal communications, and meetings.

Jan 08	Mon	12 wks	DEC	CRN 89633
Jan 09	Tues	12 wks	BBY	77988
Jan 10	Wed	12 wks	DEC	89657
			SEA	29865
			SEA	1900-2200

MKTG 322 Advertising 1 \$160

Covers the principles to consider when using and developing advertising: advertising philosophy, planning and creation; media buying, production, controls and evaluation.

Jan 08	Mon	12 wks	DEC	CRN 77997
Jan 09	Tues	12 wks	BBY	01257
Jan 11	Thurs	12 wks	BBY	01244

MKTG 323 Public Speaking and Oral Communication 1 \$160

Emphasizes the development of public speaking skills and the principles of effective oral communication. Films, buzz groups and closed circuit TV are utilized. Each student is expected to prepare and deliver a weekly oral assignment.

Jan 08	Mon	12 wks	BBY	CRN 89723
			DEC	78024
Jan 09	Tues	12 wks	BBY	82831
Jan 10	Wed	12 wks	BBY	01233
Jan 11	Thurs	12 wks	DEC	78031
Jan 18	Thurs	12 wks	SRY	82845

MKTG 324 Small Business Development \$160

Examines the planning stages involved in starting a new business including market, financial and legal responsibility requirements.

Jan 09	Tues	12 wks	BBY	CRN 01225
Jan 10	Wed	12 wks	DEC	78045

MKTG 325 Importing \$160

Provides students with complete knowledge of importing business basics. Discussions will cover methods of sourcing overseas suppliers, assessing market potential, payment mechanisms and foreign exchange. Students will learn how to set up their own import businesses.

Jan 11	Thurs	12 wks	BBY	CRN 89682
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MKTG 327 Exporting \$160

Provides students with complete knowledge of export business basics. Discusses opportunities, research, planning distribution, promotion and customs practices. Students will learn how to set up their own export businesses.

Jan 09	Tues	12 wks	BBY	CRN 89679
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MKTG 337 Corporate Communications \$160

Covers the spectrum of promoting and communicating a company's image. Examines advertising, public relations, media relations, investor relations, promotional print materials, trade shows and other activities. The emphasis is on consistency of image and professionalism throughout all activities. The main objective of the course is to provide the student with a working knowledge of the corporate communications function within a business.

Jan 10	Wed	12 wks	DEC	CRN 29664
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Advanced Technology Marketing program a first

The BCIT Advanced Technology Marketing program, B.C.'s only high technology marketing course, has already produced over 100 graduates since it began five years ago.

The program was developed by Dave Chowdhury, now Dean of the School of Engineering Technology, and Randy Vandermark, former Associate Dean of Marketing Management. It was designed to meet the needs of two B.C. groups, the Electronic Manufacturers' Association (EMABC) and the B.C. Software Association, for trained marketing people who understand the nature of high tech industries.

In a position paper recently presented to the provincial cabinet, the EMABC cited BCIT as having "the only technology marketing program in the province producing a small group of high quality graduates each year."

It recommended that "this very successful program be duplicated by other colleges and universities to meet the growing needs of the industry."

The need for more marketing students in this area was backed by figures showing the growth of the electronics manufacturing industry alone to be 25 per cent annually. Over 300 companies employ about 8,000 people now. Within five years, the Association foresees employment reaching over 50,000.

Current graduates are working in the telecommunications, computer vending, hardware and software industries. Principal employers are Richmond Software, Nexus Engineering and B.C. Tel.

INTERNATIONAL MARKETING CERTIFICATE

This program is designed to provide a selection of courses that will assist those who wish to gain an understanding of what is required to market a product or service as well as the specifics required to import or export. Of interest to those looking for entry level positions in existing organizations or for entrepreneurial people who wish to do it on their own.

NON MARKETING COURSES

ADMN 110	Management 1
FMGT 101	Accounting 1
FMGT 441	Financing International Trade
TDMT 101	Geography of Trading 1

MARKETING COURSES

MKTG 101	Marketing 1
MKTG 201	Marketing 2
MKTG 219	Professional Sales 1
MKTG 322	Advertising 1
MKTG 325	Exporting
MKTG 327	Importing
MKTG 341	Introduction to Marketing Research

Plus two electives.



Two 1988 graduates, Michele Morrison and Heather Tillson, recently founded Rechelle Research Services Inc., a company that provides marketing and research consulting services.

Their successful experience working together "under real-life pressure" on their directed studies project at BCIT resulted in their decision to form a business partnership.

Tourism

TOUR 161
Tourism Fundamentals \$160
For persons who are newly involved in or anticipate employment in this field.

Jan 08	Mon	12 wks	SEA	CRN 29826
				1900-2200
Jan 09	Tues	12 wks	BBY	24590
Jan 10	Wed	12 wks	DEC	24586
Jan 11	Thurs	12 wks	BBY	24605

TOUR 212
Basic Communication in Japanese \$160
Designed to assist management and front-line employees involved in the hotel, restaurant, travel agent, retail, transportation, and recreational industries to communicate in basic Japanese with the average Japanese tourist.

Jan 08	Mon	12 wks	DEC	CRN 05473
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TOUR 214
Basic Communication in Spanish \$160
Designed to assist management and front-line employees involved in the hotel, restaurant, travel agent, retail, transportation, and recreational industries to communicate in basic Spanish with the average Spanish speaking tourist.

Jan 09	Tues	12 wks	DEC	CRN 18371
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TOUR 241
Tourism: Europe \$81
Discusses historical and practical tourist related aspects of Continental Europe and Great Britain including practical hints for the travel counsellor and traveller, and tourism conditions.

Jan 11	Thurs	6 wks	BBY	CRN 05496
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TOUR 250
Travel Agency and Tour Operations - an Introduction \$240
Provides a framework for students considering situations in the travel counselling and tour arranging fields.

Jan 09	Tues/Thurs	9 wks	DEC	CRN 05525
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TOUR 313
***Communication in French 2** \$160
A continuation of Basic Communication in French, designed to provide students with additional skills in conversational French.

Jan 08	Mon	12 wks	DEC	CRN 30350
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TOUR 350
Domestic Air \$220
Familiarizes students with the terminology and fundamentals of itinerary planning, domestic fare construction and tariff applications. \$60 rental fee for Air Tariff Books will be charged when registering. \$30 will be refunded upon return of books.

Jan 08	Mon	12 wks	BBY	CRN 05544
Jan 09	Tues	12 wks	DEC	05533
Jan 10	Wed	12 wks	SEA	29834
				1900-2200

TOUR 351
***International Air 1** \$220
Familiarizes students with the terminology and fundamentals of transatlantic and transpacific fare construction. \$60 rental fee for Air Tariff Books will be charged when registering. \$30 will be refunded upon return of books.

Jan 08	Mon	12 wks	BBY	CRN 05557
Jan 10	Wed	12 wks	SEA	29843
				1900-2200
Jan 11	Thurs	12 wks	DEC	05442

TOUR 355
***Automated Ticketing** \$200
Students learn how to activate a ticket printer linked to a reservations computer terminal and to perform all functions needed to produce a computer generated ticket. NO REFUND

Jan 13	Sat/Sun	1 wk	**	CRN 05450
				0900-1700

**AIR CANADA BUILDING
1177 W. Hastings St., Vancouver



Operations Management

OPMT 099
Math for Business \$213
Offers the basic arithmetic and algebraic skills necessary to commence studies in the School of Business at BCIT.

Jan 09	Tues	16 wks	BBY	CRN 89922
Jan 11	Thurs	16 wks	BBY	79096

OPMT 102
Basic Mathematics of Finance \$160
A study of interest and its effects upon business and industry. Common financial analysis with appropriate calculations will be covered. Students will be required to purchase a preprogrammed financial calculator. (Do not buy calculator until first class meeting.)

Jan 08	Mon	12 wks	BBY	CRN 84871
Jan 10	Wed	12 wks	BBY	84942
			DEC	78077
Jan 13	Sat	12 wks	BBY	78062
				For repeaters only
				0900-1200
				88738

OPMT 105
Engineering Economics \$160
Emphasizes the importance of making sound economic decisions when faced with alternative methods of solving technical problems. Provides the basic skills and concepts required to analyze comparative costs and to understand the time value of money (interest), inflation, depreciation, running costs, salvage value and tax considerations.

Jan 08	Mon	12 wks	BBY	CRN 30569
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OPMT 151
Choosing and Using Microcomputers in Manufacturing \$160
Introduces manufacturers to the uses of microcomputers. Topics include spreadsheets, database, micro MRP packages, CAD on microcomputers and cost estimating packages.

Jan 11	Thurs	12 wks	BBY	CRN 08176
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OPMT 175
Warehouse Management 1 \$160
Receiving, stock location planning, order picking, shipping, time/space management, data processing and loss control. Provides a basic understanding of warehouse management.

Jan 09	Tues	12 wks	BBY	CRN 87509
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OPMT 187
Project Planning and Scheduling \$160
Introduces the fundamentals of the basic scheduling, estimating and control methods which are in current industry use to plan and keep track of time and money spent on any form of project. This course is most suitable for those who are familiar with technical or administrative documentation but otherwise have little project background. The course is comprehensive at an elementary level; it also prepares students to take the second-year level course in project scheduling and cost control.

Jan 09	Tues	12 wks	BBY	CRN 78086
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OPMT 188
Management Information Systems \$160
Students learn to use a managerial systems approach to the management information area: review, assess and evaluate information processing hardware and software; evaluate management needs for information and integrate those needs into the management system; design and implement a simple management information system. The course is not intended to produce highly skilled MIS practitioners, but to provide an understanding of basic MIS concepts. Students learn how to relate to MIS specialists and managers in large organizations and how to approach a MIS problem in a small organization that would not normally have MIS specialists on staff.

Jan 11	Thurs	12 wks	BBY	CRN 78090
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OPMT 189
Operations Management \$240
The nature, purpose and processes associated with operations management; the relevance of systems design, resource allocation, operations planning and control to the individual firm. How to identify and solve operational problems using quantitative methods.

Jan 08	Mon	18 wks	BBY	CRN 79102
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OPMT 191
Purchasing \$160
Purchasing functions, objectives, relationships, organization, policies, procurement procedures, inventory control, sourcing, supplier evaluation, price, negotiation, make or buy, ethics.

Jan 10	Wed	12 wks	DEC	CRN 78118
Jan 11	Thurs	12 wks	BBY	78105
Jan 15	Mon	12 wks	SRY	75811

OPMT 192
Inventory Planning and Control \$160
Objectives, records, forecasting, order point systems, MRP make/buy analysis, departmental organization.

Jan 08	Mon	12 wks	BBY	CRN 78120
Jan 16	Wed	12 wks	SRY	79117

OPMT 197
Statistics for Business and Industry \$240
A comprehensive study of elementary statistical methods as applied to objective decision-making in business and industry. Students will be required to purchase a textbook and a preprogrammed statistical calculator. (Do not buy until first class meeting.)

Jan 08	Mon	18 wks	BBY	CRN 76179
	Mon/Wed	9 wks	DEC	79134
Jan 09	Tues	18 wks	BBY	76205
				79084
Jan 11	Thurs	18 wks	BBY	79126
Jan 17	Wed	18 wks	SRY	75800

MKTG 340
***Marketing Planning Fundamentals** \$160
Using mostly the case study method, this course examines how to develop formal marketing plans. Situation analysis, markets, competitive conditions, research, objective setting and action scheduling are covered.

Jan 08	Mon	12 wks	BBY	CRN 27831
Jan 10	Wed	12 wks	DEC	27845

MKTG 341
***Introduction to Marketing Research** \$160
Examines the basic approaches to marketing research. Discusses research techniques and tools and relates these tools to the decision-making process. Special applications of marketing research to simulated real-life situations are examined.

Jan 09	Tues	12 wks	DEC	CRN 27824
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MKTG 422
***Advertising 2** \$160
Studies aspects of measuring advertising effectiveness; differences between advertising and sales promotion; media planning and budgets; the make-up of advertising campaigns; how an advertising agency operates; implementing marketing plans and coordination, controls and measurement.

Jan 08	Mon	12 wks	DEC	CRN 01211
Jan 11	Thurs	12 wks	BBY	89666

MKTG 427
***Creative Advertising Design** \$160
Explains the development of the creative strategy through the concept stage to the details of creative execution. Print and broadcast advertising techniques will be explored with the guidance of professionals who are currently working in creative advertising. The primary objective of the course is for each student to produce high quality creative projects to enhance their portfolios.

Jan 11	Thurs	12 wks	BBY	CRN 05034
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MKTG 441
***Applications of Marketing Research 2** \$160
A continuation of MKTG 309.

Jan 09	Tues	12 wks	BBY	CRN 27859
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OPMT 198

Productivity Engineering 1 \$160

A fundamental course in productivity improvement based on a systematic, scientific approach to problem-solving methods/improvements. Includes economic feasibility, recording techniques, assembly and analysis of data, critical examination, the development and selection of alternative solutions. Case materials will explore applications to manufacturing, warehouse, office, materials management and general management engineering.

Jan 10 Wed 12 wks BBY CRN 83118

OPMT 203

Quality Control Methods 2 (Acceptance Sampling) \$160

Provides students with the opportunity to learn and apply the principles of Acceptance Sampling.

Jan 08 Mon 12 wks BBY CRN 08149

OPMT 206

Quality Assurance 2 (Manufacturing) \$160

Continues from OPMT 106. Examines basic principles of modern quality assurance which students can relate to situations encountered in their own work, and apply techniques for resolving quality problems.

Jan 09 Tues 12 wks BBY CRN 08155

OPMT 275

*Advanced Warehouse Management \$160

Students who have completed OPMT 175 will benefit from this course. Topics covered include what is materials management? warehouse management? introduction to production and inventory control, introduction to work study, analytical techniques of work sampling, statistics, economic appraisal and analysis of alternatives, flow process charting and plant layout, financial planning and budgeting, management planning, order processing, communications, purchasing.

Jan 11 Thurs 12 wks BBY CRN 29606

OPMT 287

Project Scheduling and Cost Control 2 \$160

Prepares students to draw up schedules and estimates and to control progress and project costs. Lectures, case examples, a simulated project and a computer lab session develop skills for use on projects of normal complexity. Prerequisite: OPMT 187.

Jan 11 Thurs 12 wks BBY CRN 29619

OPMT 298

*Productivity Engineering 2 \$160

For students with OPMT 198. Allows them to complete a more detailed, complex study to final report and presentation in the areas of manufacturing, warehousing and storage. Expands upon productivity improvement through systematic, scientific problem-solving.

Jan 10 Wed 12 wks BBY CRN 88359

Transportation and Distribution

TDMT 101

Geography of Trading 1 \$160

Studies in detail the role of transportation, major trading routes and ports, and other factors in the development of resources for the world and Canada. Emphasizes Canada as a major resource producer, particularly in the Pacific Rim.

Jan 08 Mon 12 wks BBY CRN 08161

TDMT 202

Transportation Regulations \$160

Offers a working knowledge of the rules and regulations of surface and air transportation.

Jan 09 Tues 12 wks BBY CRN 24577

TDMT 203

Transportation Economics \$160

Covers a variety of transportation services and their cost factors including carrying capacity, load factors, fuel cost, etc., concluding with profit oriented rate making. Costing methods relating to various modes of transportation are discussed considering distance, flow of goods and backhaul.

Jan 10 Wed 12 wks BBY CRN 29622

TDMT 250

Distribution 2 (CITT) \$160

Deals with contracts and bills of lading; marine cargo insurance; warehousing; Canadian Customs; dangerous goods transportation; damage prevention and claims; materials handling; unitization devices; physical distribution; computer applications to transportation.

Jan 10 Wed 12 wks BBY CRN 26763

TDMT 304

Introduction to International Trading \$160

Provides a global overview of international business and trading strategies. The student will understand the interdependence of nations and diversity between free, controlled, and third world countries' trading patterns. Examines the importer/manufacturer's evolution to exporting. Protectionism, tariff and non-tariff barriers, subsidies, etc., will be covered focusing on Canada's competitive position. Emphasis is given to costing for export/import to maximize profit.

Jan 11 Thurs 12 wks DEC CRN 30373

TDMT 409

*Exporting and Importing \$240

Presents the complexities of international trade and the concepts of exporting/importing in the Canadian environment, for people in industry.

Jan 10 Wed 18 wks BBY CRN 79143

Canadian Association for Production and Inventory Control

CPIC 110

Principles of Inventory Control \$210

An introductory course for those who have little or no experience in inventory management. Includes basic control concepts, physical control, replenishment, distribution, forecasting, MRP, purchasing and JIT.

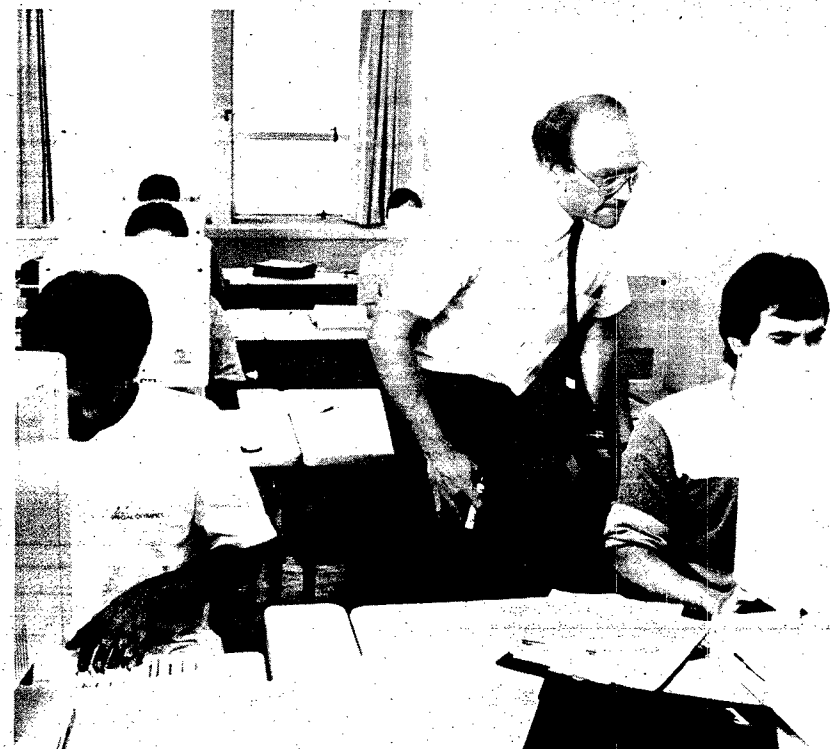
Jan 10 Wed 12 wks BBY CRN 19507

CPIC 300

Material Requirements Planning \$210

How to develop and use a bill of material, obtain and interpret MRP inputs, develop a material requirement planning system and execute a material requirements plan.

Jan 09 Tues 10 wks BBY CRN 04701
+ 1 Sat (0900-1500)



Ross Miller, program head in the Geographic Information Systems Technology program, instructs in one of the new computer labs recently completed at BCIT.

CPIC 400

Capacity Management \$127

How to calculate capacity, obtain and interpret inputs for capacity requirements planning, compute capacity requirements, analyze results, resolve problems and monitor capacity.

Jan 08 Mon 5 wks BBY CRN 04692
+ 1 Sat (0900-1200)

CPIC 500

Production Activity Control \$127

How to control production in both push and pull production environments, focusing on production activity control in job shop, repetitive and process manufacturing environments.

Feb 12 Mon 5 wks BBY CRN 04685
+ 1 Sat (0900-1200)

Direct Employment Training

CORT 932

Legal Steno/Typist Part 1 \$160

For those seeking advancement into a clerical specialty. Part 1 is an orientation which will enable students to decide if they wish to pursue this career.

Jan 10 Wed 10 wks BBY CRN 89760

CORT 933

*Legal Steno/Typist Part 2 \$218

Includes theoretical and practical legal paperwork, documentation, correspondence for law in the fields of civil and criminal litigation, divorce, labor, wills and estates, corporate and conveyancing.

Jan 08 Mon 18 wks BBY CRN 89771

OFFC 925

Cashier Training \$160

Provides practical training in the operation of various types of electronic cash registers.

Jan 09 Tues/Thurs 3 wks BBY CRN 89820
Feb 06 Tues/Thurs 3 wks BBY 89836
Feb 27 Tues/Thurs 3 wks BBY 89847

MEDICAL OFFICE ASSISTANT — A FIVE COURSE CERTIFICATE PROGRAM.

OFFC 935

*Medical Office Assistant: Medical Transcription \$160

Designed for persons who are employed as medical office assistants, or students taking the Medical Office Assistant Program. Prerequisite: OFFC 937.

Jan 13 Sat 6 wks BBY CRN 04143
0930-1530



OFFC 936

*Medical Office Assistant: Anatomy and Physiology \$176

Human anatomy and physiology. Prerequisite: OFFC 937.

Jan 09 Tues 14 wks BBY CRN 89863

OFFC 937

Medical Office Assistant: Medical Terminology \$176

Enables students to use basic medical terms and to spell and pronounce them. This course should be one of the initial courses taken by students wishing to enter the Medical Office Assistant Program.

Jan 10 Wed 15 wks BBY CRN 89854

OFFC 938

Medical Office Assistant: Office Practice \$176

How to perform clerical duties associated with a medical office's medical forms, private and insurance billing, etc.

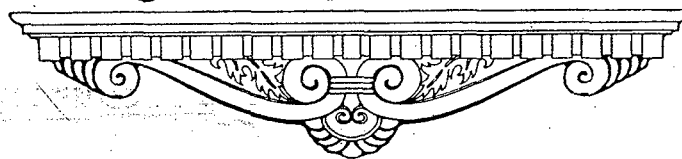
Jan 08 Mon 10 wks BBY CRN 05687

OFFC 939

Medical Office Assistant: Clinical Procedures \$186

How to use medical equipment, how to perform laboratory tests and assist physicians with specific examinations. Course includes basic CPR certification.

Jan 11 Thurs 12 wks DEC CRN 82043



New classes, new equipment improve campus this summer

A grant last May from the provincial government of \$8 million over a two-year period was quickly put to work this summer to overhaul many classrooms and equipment at BCIT.

Although improvements are campus-wide, engineering technology students returning to the campus this fall were particularly affected by the changes made to microcomputer labs. More than 30 microcomputer labs were upgraded, a \$2.5 million project which included new computers, classroom renovations and furnishing.

"This has increased microcomputer capability on campus by 50 per cent," said acting director of computer resources Dave Peppar. "It's also allowed us to take advantage of the new 386 machine technology, including Sun work stations for geographical information systems." The upgrading also gives BCIT its first Macintosh lab, essential for work requiring sophisticated graphics capability.

Renovations were also carried out in the ARCS lab, where industry works with BCIT expertise to solve practical problems with computer-assisted solutions. Targeted for completion by mid-November are more than \$600,000 in improvements to the Applied Technology Training Centre where a new facility will be established this fall for applied research and industrial technology training.

Building

BLDG 154
Construction Industry Procedures \$160
The basics of building development; bidding and contracting construction contracts, specifications and estimating.

Jan 09 Tues 12 wks BBY CRN 23068

BLDG 155
Construction Contracts 1 \$160
Fundamentals of contracts. Parties to construction contracts. Basic types of construction contracts. Relationship between information and risk. Standard forms of construction contracts used in Canada and elsewhere. Appropriate documentation and related issues.

Jan 09 Tues 12 wks BBY CRN 98531

BLDG 159
Architectural and Industrial Illustration \$160
Introduces illustration, elements of rendering form and space, entourage techniques, perspective and photographic techniques.

Jan 09 Tues 12 wks BBY CRN 12837

BLDG 251
***Drafting and Design 2: Architectural Presentation** \$318
A continuation of BLDG 151. Includes descriptive geometry and its use in design presentation, description of building elements through isometric and axonometric projection, one and two-point perspectives; application of regulations and other restrictions in design drafting and presentation; design and drafting services, drawing applications.

Jan 09 Tues/Thurs 12 wks BBY CRN 78448

BLDG 252
***Construction 2** \$473
A continuation of BLDG 152. Includes western frame and modified post and beam construction; details for fireplaces, stairs, doors and windows; further development of working drawings to include these elements.

Jan 08 Mon/Wed 18 wks BBY CRN 78266

BLDG 253
B.C. Building Code: Housing \$160
Gives students a working knowledge of Part 9 of the 1985 Building Code for housing. Gives a basic understanding of plan checking, building inspection and acceptable materials, systems and methods used in housing construction. This course is a prerequisite for BLDG 152.

Jan 10 Wed 12 wks BBY CRN 97883

BLDG 353
B.C. Building Code: General \$160
Examines the purpose, scope and contents of the B.C. Building Code, Parts 1 to 8, with specific study of Part 3: Use and Occupancy. Based on the changes effective July 1, 1987, this course will be of special interest to persons in design, drafting, construction, inspection and financing of buildings.

Jan 10 Wed 12 wks BBY CRN 97874

BLDG 354
***Construction Law in Project Management** \$160
Designed to provide construction professionals with an understanding of the basic principles of law as applied to building construction projects, including contract formation and interpretation; negligence law; bonding and insurance; labor law and industrial relations, builders' liens; delay and acceleration claims; sale of goods legislation.

Jan 09 Tues 12 wks BBY CRN 78467

BLDG 356
***Construction Estimating 2** \$160
A continuation of BLDG 256. Detailed study and application of measurement and pricing of work for specific trades, with emphasis on wood framing, concrete work and masonry construction. Detailed examination of CIQS methods for measurement of construction work. Tendering procedures and budget estimating. Preparation for CIQS EXAM 203.

Jan 11 Thurs 12 wks BBY CRN 78456

BLDG 901
Computerized Accounting for Housebuilders \$165
Hands on, basic computer operations using Homebuilder Accounting software. For those with little or no experience with computers. Covers benefits, costs and concerns in up-grading to computerized accounting plus a brief overview of computerized estimating.

Jan 08 Mon 10 wks BBY CRN TBA

Chemical Sciences

CHSC 164
***Paint Technology: Latex Paints** \$82
Latex paints including aspects of polymer emulsion manufacture and the formulation and manufacture of latex paints.

Mar 21 Wed 6 wks BBY CRN 12846

CHSC 165
***Paint Technology: Modern Coat Resins** \$82
Complements CHSC 163 Paint Technology. Examines the production and use of contemporary surface coating resins.

Feb 08 Thurs 6 wks BBY CRN 78494

CHSC 169
NDT Radiography Level 1 \$509
Meets the requirements for classroom training as stipulated in CGSB Standard 48-GP-4M, condition (b).

Jan 15 Mon-Fri 1 wk BBY CRN 05214

CHSC 170
NDT Ultrasonics Level 1 \$509
Meets the requirements of CGSB Standard 49-GP-7M, condition (a) for classroom training. (Maximum capacity 10.)

Jan 10 Wed 13 wks BBY CRN 78481

CHSC 268
Water Pollution: Chemistry and Sampling Techniques \$239
Discusses the processes that take place in water systems when pollutants are present, and the techniques for detection and control of these pollutants.

Jan 09 Tues 18 wks BBY CRN 88362

CHSC 269
***NDT Radiography Level 2** \$509
Meets the requirements of CGSB Standard 48-GP-4M, condition (b) for classroom training.

Jan 22 Mon-Fri 1 wk BBY CRN 80951

CHSC 270
***NDT Ultrasonics Level 2** \$509
Meets the requirements of CGSB Standard 49-GP-7M, condition (b) for classroom training. (Maximum capacity 10.)

Jan 09 Tues 13 wks BBY CRN 98967

CHSC 306
Precious Metal Analysis \$329
Topics include the structure of the industry, characteristics of various types of laboratory sampling and sample preparation procedures, and analytical methods of precious metal analysis.

Jan 31 Wed 15 wks BBY CRN 12858

CHSC 414
***Mineral Processing** \$379
A continuation of CHSC 314. Deals specifically with mineral processing as applied to the B.C. mining industry. Covers the essential operations of applied mineral processing: gravity separation, cyclone classification, flotation, sedimentation, thickening, filtration. Emphasizes numerical solution of operating and design problems.

Jan 09 Tues 18 wks BBY CRN 23151

Civil Technology

CIVL 100
Intro to Lotus 1-2-3 Engineering Application \$106
Hands-on engineering application using LOTUS 1-2-3 software.

Jan 13 Sat 2 wks BBY CRN 84915

CIVL 102
Public Works Inspection \$295
Presents the fundamentals of public works inspection.

Jan 10 Wed 15 wks BBY CRN 04134

CIVL 104
Construction Materials Testing Fundamentals \$148
A laboratory oriented course to familiarize students with lab and testing procedures for construction materials. Prerequisite to CIVL 109, 110.

Jan 08 Mon 10 wks BBY CRN 23073

CIVL 110
***Asphalt Technology** \$164
How to select suitable materials for asphaltic concrete design using the Marshall method.

Jan 09 Tues 12 wks BBY CRN 75215

CIVL 201
Construction Documents and Cost Control \$138

An introduction to construction contract documents and cost control on the jobsite for those involved in building and heavy construction.

Jan 08 Mon 10 wks BBY CRN 12747

CIVL 208
Graphical Communication 2 \$138
Primarily through freehand sketching, the student is introduced to structural drawings and details.

Jan 11 Thurs 10 wks BBY CRN 12763

CIVL 250
***Stress Analysis 1** \$138
An introduction to the stress-strain relationships in three common construction materials: timber, steel and concrete.

Jan 08 Mon 10 wks BBY CRN 12814

CIVL 270
***Soil Mechanics 2** \$160
Basics of permeability, flow nets, retaining wall and foundation design.

Jan 08 Mon 12 wks BBY CRN 78519

CIVL 314
***Urban Street Design** \$160
Using the R.T.A.C. classification system as a guide, students will design a major road and intersection. Vertical and horizontal alignment, drainage and design control techniques will be emphasized.

Jan 10 Wed 12 wks BBY CRN 12789

CIVL 315
***Subdivision Planning** \$160
Provides students with the planning concepts and restraints for subdivision development using the Municipal Act and local bylaws. Includes subdivision procedures and rezoning applications.

Jan 09 Tues 12 wks BBY CRN 12772

CIVL 373
***Hydraulics 2** \$160
Completes the topic of pipe flow introduced in CIVL 273. Includes simple networks, pump selection, flow measurement, application of Hardy Cross method and computer programs.

Jan 10 Wed 12 wks BBY CRN 12791

CIVL 383
AutoCAD 1 for Civil Engineering \$275
Basics of AutoCAD for Civil technology covering structural layout, municipal layout and civil drawing principles.

Jan 10 Wed 12 wks BBY CRN 05722

CIVL 384
***Civil Engineering Computer Applications** \$212

An introduction to computer applications in civil technology using PC's and software to solve engineering problems.

Jan 11 Thurs 12 wks BBY CRN 05735

CIVL 386
***Computer Highway Design** \$212
Hands-on use of PCAT type computers in a project framework designing a highway from contours to Bill of Quantities. Design is to preliminary stage. RTAC standards are employed.

Jan 27 Sat 6 wks BBY CRN 12754

CIVL 509
***Geotechnical Design: Rock Stability** \$148
Introduces the basic mechanics of rock slope failures and principles needed to analyze planar failures, methods of rock slope stabilization, rockfall protection and detection, calculation and design application.

Jan 08 Mon 10 wks BBY CRN 23447

CIVL 510
***Transportation Planning 1: Network Planning Principles** \$138
Examines the relationship between land use development and urban transportation networks, including capacities and operating characteristics of transportation modes, principles of network planning and preparation of municipal and neighbourhood road plans.

Jan 11 Thurs 8 wks BBY CRN 29107

Engineering Technology



Computer Aided Engineering



AUTOCAD

Computer Aided Engineering is an Authorized AutoCAD Training Centre.

NOTE: (UNIX) appearing below course dates indicates course will be scheduled in UNIX lab environment.

AICO 213 AutoCAD 1 \$275

Microcomputer based CADD using the latest update of AutoCAD software on IBM ATs.

Jan 06	Sat	6 wks	BBY	CRN 05223
(UNIX)				
Jan 06	Sat	6 wks	BBY	23021
Jan 08	Mon	12 wks	BBY	87817
(UNIX)				
Jan 08	Mon-Fri	1 wk	BBY	87826
Jan 09	Tues	12 wks	BBY	24006
(UNIX)				
Jan 10	Wed	12 wks	BBY	87802
Jan 11	Thurs	12 wks	BBY	22971
Jan 22	Mon-Fri	1 wk	BBY	87834
Feb 05	Mon-Fri	1 wk	BBY	87843
(UNIX)				
Feb 17	Sat	6 wks	BBY	05237
Feb 26	Mon-Fri	1 wk	BBY	87851
(UNIX)				
Mar 05	Mon-Fri	1 wk	BBY	87865

AICO 214 AutoCAD 2 \$275

A continuation of AICO 213. Class assignments may be tailored to discipline areas depending on student background.

Jan 09	Tues	12 wks	BBY	CRN 87766
Jan 11	Thurs	12 wks	BBY	28177
(UNIX)				
Jan 29	Mon-Fri	1 wk	BBY	87779
Feb 17	Sat	6 wks	BBY	17717
(UNIX)				
Mar 05	Mon-Fri	1 wk	BBY	28075
(UNIX)				
Mar 26	Mon-Fri	1 wk	BBY	87798

AICO 218 AutoCAD A.E.C. \$275

Designed for students with a good knowledge of AutoCAD who are working in an architectural environment. Prerequisite: AICO 213.

Jan 08	Mon	12 wks	BBY	CRN 17726
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SmartCAM

SmartCAM is taught as part of the AutoCAD Training Centre.

AICO 220 SmartCAM \$275

Automatic tool path takeoff from a CAD model. Exposure to production model CNC milling machines and lathes. Software tools will be SmartCAM and may also include AutoCAD and Computervision in the production of the CAD model.

Jan 08	Mon	12 wks	BBY	CRN 28186
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AICO 225 AutoCAD 3 \$135

An introduction to the 3D capabilities of AutoCAD. Covers the fundamentals of 3D construction, surface generation and shading using AutoSHADE.

Jan 29	Mon	6 wks	BBY	CRN 30527
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AICO 313 AutoLISP Programming \$275

An introductory course to programming in AutoLISP.

Jan 10	Wed	12 wks	BBY	CRN 19521
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INTERGRAPH

CDCM 215 Micro-Station Intergraph 1 \$275

Designed for the user of Intergraph's micro-computer based micro station software.

Jan 09	Tues	12 wks	BBY	CRN 19539
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CDCM 216 Micro-Station Intergraph 2 \$275

A continuation of CDCM 215. Customizing a CAD system using cell libraries and tablet menus.

Jan 08	Mon	12 wks	BBY	CRN 23134
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UNIX System V

AICO 980 Introduction to UNIX \$135

Topics include elementary UNIX commands, files and directory structures, the VI editor, piping, and shell script programming with Bourne or C shells. Students will use UNIX SYSTEM V or Sun OS, a hybrid SYSTEM V/BSD UNIX.

Jan 08	Mon	6 wks	BBY	CRN 28970
Jan 09	Tues	6 wks	BBY	28922
Jan 10	Wed	6 wks	BBY	28988
Jan 15	Mon-Wed	1 wk	BBY	28935
Jan 17	Wed-Fri	1 wk	BBY	28941
Feb 12	Mon-Wed	1 wk	BBY	28953
Feb 14	Wed-Fri	1 wk	BBY	28964



TRAINING PROGRAM

Aldus: Authorized Training Centre
Computer Aided Engineering is an Authorized Aldus Training Centre.

AICO 976 Desktop Publishing \$425

A practical hands-on course teaching design, layout, and production of professional, high-impact publications, using the Aldus Pagemaker Version 3.0 (Aldus Pagemaker Classroom) package for the IBM PC.

Jan 09	Tues	10 wks	BBY	CRN 17751
Jan 13	Sat	5 wks	BBY	17743
Feb 17	Sat	5 wks	BBY	17765

Computer Systems

COMP 901 Computing for the Timid \$70

A 4-week course for those who have never used a computer and are afraid to.

Jan 08	Mon	4 wks	BBY	CRN 98559
			COQ	98562
Jan 10	Wed	4 wks	BBY	98577
			COQ	22077
Jan 13	Sat	2 wks	BBY	22120
			DEC	29173
			COQ	22136
Feb 05	Mon	4 wks	BBY	22086
Feb 07	Wed	4 wks	BBY	22090
Mar 05	Mon	4 wks	BBY	22105
Mar 07	Wed	4 wks	BBY	22118

STATEMENT OF COMPLETION IN OFFICE COMPUTER SKILLS COURSES

COMP 109 Exploring DOS \$225

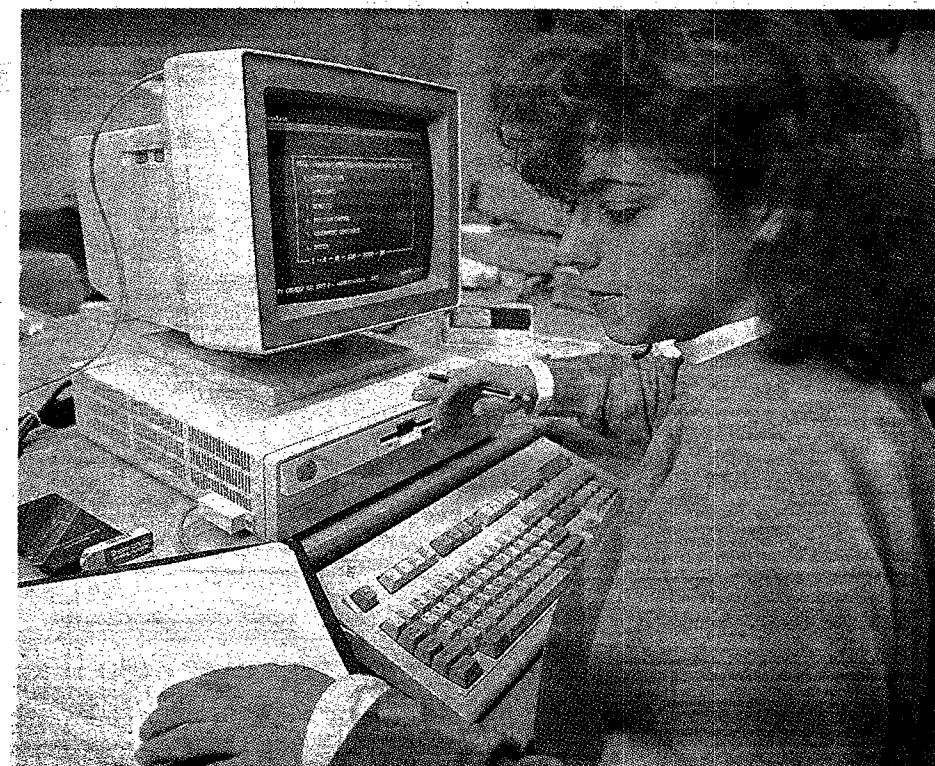
Examines the PC/MS Disk Operating System (DOS) in depth for those who feel they know just a little about a PC.

Jan 08	Mon	6 wks	RIC	CRN 28190
Jan 09	Tues	6 wks	HAS	28204
			RIC	28210
Feb 19	Mon	6 wks	RIC	28228
Feb 20	Tues	6 wks	HAS	28232
			RIC	28249

COMP 117 Wordperfect 5 Level 1 \$150

Covers the concepts of word processing using Wordperfect 5, creating, modifying and printing a document.

Jan 08	Mon	4 wks	HAS	CRN 28255
Jan 09	Tues	4 wks	RIC	28276
Jan 11	Thurs	4 wks	HAS	28287
			RIC	28293
Mar 05	Mon	4 wks	RIC	28261



COMP 118 Wordperfect 5 Level 2 \$150

Continuation from COMP 117, covering spell checking, parallel columns and macros.

Feb 05	Mon	4 wks	HAS	CRN 28307
Feb 08	Thurs	4 wks	RIC	28321
Mar 06	Tues	4 wks	RIC	28315

COMP 119 Wordperfect 5 Level 3 \$150

Continuation from COMP 118, covering line drawing, graphic work, calculations, outlining, sort/merge and writing macros.

Mar 05	Mon	4 wks	HAS	CRN 28339
Mar 08	Thurs	4 wks	RIC	28342

COMP 147 LOTUS 1-2-3 Level 1 \$150

Covers the concepts of a spreadsheet using LOTUS 1-2-3, basic functions, appearance and entering data.

Jan 10	Wed	4 wks	HAS	CRN 28368
			RIC	28373
Jan 11	Thurs	4 wks	RIC	28384
Feb 05	Mon	4 wks	RIC	28350

COMP 148 LOTUS 1-2-3 Level 2 \$150

Continuation from COMP 147, covering macros, automating tasks, and menus.

Feb 07	Wed	4 wks	HAS	CRN 28434
			RIC	28443
Feb 08	Thurs	4 wks	RIC	28451

COMP 149 LOTUS 1-2-3 Level 3 \$150

Continuation from COMP 147, covering graphs, and managing a database using database functions.

Mar 07	Wed	4 wks	RIC	CRN 28465
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COMP 157 dBASE III PLUS Level 1 \$150

Covers the concepts of a microcomputer database using dBASE III PLUS, including creating, data entry, manipulation of data and inquiry.

Jan 10	Wed	4 wks	RIC	CRN 28478
Feb 08	Thurs	4 wks	HAS	28480

COMP 158 dBASE III PLUS Level 2 \$150

Continuation from COMP 157, covering linking multiple tables and the application generator.

Feb 07	Wed	4 wks	RIC	CRN 28499
Mar 08	Thurs	4 wks	HAS	28501

COMP 159 dBASE III PLUS Level 3 \$150

Continuation from COMP 158, covering major statements used in command file programming, developing a working database system, and begins the programming aspect.

Mar 07	Wed	4 wks	RIC	CRN 28516
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COMP 175 ACCPAC General Ledger \$150

Covers the general ledger system, including converting existing systems to Accpac, batch transactions, and printing reports.

Jan 08	Mon	4 wks	RIC	CRN 28396
Feb 06	Tues	4 wks	RIC	28402
Mar 07	Wed	4 wks	HAS	28417
Mar 08	Thurs	4 wks	RIC	28426

GENERAL AND CERTIFICATE COURSES

COMP 107 Understanding PC/MS DOS \$100

Gives an in-depth knowledge of the PC/MS Disk Operating System (DOS) to those who feel they know nothing about a PC.

Jan 08	Mon	6 wks	DEC	CRN 29139
Jan 09	Tues	6 wks	BBY	22147
Jan 11	Thurs	6 wks	BBY	22154
			COQ	22163
Jan 27	Sat	3 wks	BBY	22200
			DEC	29150
			COQ	22211

COMP 104 Computers in Business \$160

For those not specializing in computers to familiarize them with terminology and concepts used in the computer industry.

Jan 08	Mon	12 wks	BBY	CRN 00381
Jan 09	Tues	12 wks	BBY	00375

COMP 114 Word Processing Concepts \$70

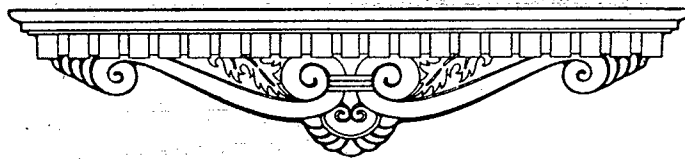
Introduces the beginning student to the basic concepts of word processing using a micro-computer.

Jan 08	Mon	4 wks	BBY	CRN 22225
Jan 09	Tues	4 wks	BBY	22244
Jan 10	Wed	4 wks	BBY	22257
Jan 11	Thurs	4 wks	BBY	22266
Feb 05	Mon	4 wks	COQ	22233
Feb 17	Sat	2 wks	BBY	22279
			DEC	29184
			COQ	22282

COMP 115 Spreadsheet Concepts \$70

Introduces the beginning student to the basic concepts of spreadsheets using a microcomputer.

Feb 05	Mon	4 wks	BBY	CRN 22298
Feb 06	Tues	4 wks	BBY	22317
Feb 07	Wed	4 wks	BBY	22326
			COQ	22334
Feb 08	Thurs	4 wks	BBY	22343
Mar 03	Sat	2 wks	BBY	22351
			DEC	29196
			COQ	22365
Mar 05	Mon	4 wks	COQ	22302



Electronics Technology grad appointed Principal Electronics Engineer to the HBC

Landing a tailor-made job with the third largest integrated voice and data communications network in Canada after just two years of training? May seem like a fantastic fluke, but at BCIT this kind of success story is becoming more and more a reality.

Second year Electronics Technology graduate John Paulson, 25, was given a brand new job as Principal Electronics Engineer after working on a joint project for the Hudson's Bay Company's Communications/Planning Department, Western Region and BCIT's Electronics Technology.

His assignment? To develop a video wall, a matrix of video monitors whose collective display make up one large single image, that could be used in Bay stores across Canada. Designed to run up to 16 monitors, the prototype will be unveiled to HBC managers in Toronto towards the end of this year. "The Electronics Technology lab will continue to be a resource for me in the future, as I embark on other projects," he says.



COMP 160
*Computer Systems Introduction Level 1 \$160
Introduces the basic skills and techniques required for systems analysis and design.

Jan 09	Tues	12 wks	BBY	CRN 00295
Jan 10	Wed	12 wks	DEC	00283

COMP 162
*Microcomputer Using dBASE Level 1 \$193
Covers the elementary programming features of dBASE III PLUS, or dBASE IV.

Jan 11	Thurs	12 wks	BBY	CRN 25385
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COMP 164
*Microsoft Word \$101
A 6-week course using IBM PC's covering the basics of this word processing package which can be used on IBM PC's and Apple MacIntoshes.

Jan 09	Tues	6 wks	BBY	CRN 08939
Feb 20	Tues	6 wks	BBY	08942

COMP 167
*Wordperfect \$200
Covers the basic level of this current word processing package and many special features.

Jan 09	Tues	12 wks	DEC	CRN 29115
Jan 11	Thurs	12 wks	DEC	29121

COMP 168
*FRAMEWORK III Level 1 \$196
Menu selections are explained and practiced.

Jan 09	Tues	12 wks	BBY	CRN 98618
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COMP 169
*LOTUS 1-2-3 Level 1 \$196
Basic principles are explained and practiced.

Jan 09	Tues	12 wks	COQ	CRN 22045
Jan 10	Wed	12 wks	DEC	29168
			BBY	98605

COMP 187
*Computerized Accounting \$196
Teaches the "Bedford Integrated Accounting" package to those with some knowledge of computing and accounting.

Jan 09	Tues	12 wks	BBY	CRN 87537
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COMP 233
*COBOL Programming Language Level 1 \$160
A 1st-level course, which includes all language components required to write simple business report programs.

Jan 09	Tues	12 wks	BBY	CRN 00269
Jan 11	Thurs	12 wks	BBY	00252

COMP 234
*PL/I Programming Language Level 1 \$160
A 1st-level course for students who have some programming background. Covers record and stream I/O, structures, arrays, and functions.

Jan 10	Wed	12 wks	BBY	CRN 98590
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COMP 236
*PASCAL Programming Language \$193
Covers the language's entire repertoire of instructions, enabling students to read and write structured programs in PASCAL.

Jan 08	Mon	12 wks	BBY	CRN 00240
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COMP 241
*Data Communications Concepts Level 1 \$160
Students become conversant with data communication applications and related concepts.

Jan 08	Mon	12 wks	BBY	CRN 79463
Jan 09	Tues	12 wks	BBY	89276

COMP 242
*Microcomputers: Exploring Technical Aspects \$193
Covers the theory of microcomputer hardware standards, operating systems, semiconductor technology, peripheral devices.

Jan 09	Tues	12 wks	BBY	CRN 00238
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COMP 244
*Assembler Micro Programming Language: IBM PC Level 2 \$196
Continuation from COMP 144. Programming in Assembler Language on the IBM PC, including macros, math disk I/O and resident programs.

Jan 11	Thurs	12 wks	BBY	CRN 98586
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COMP 248
*PROLOG Programming Language \$193
Examines PROLOG, a popular logic-based language suitable for development of elegant artificial intelligence and knowledge systems application.

Jan 09	Tues	12 wks	BBY	CRN 79068
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COMP 249
*POWERHOUSE Programming Language Level 1 \$193
Provides a solid base in programming with this fourth generation language.

Jan 09	Tues	12 wks	BBY	CRN 89714
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COMP 260
*Computer Systems Intro Level 2 \$160
Continuation of COMP 160. Develops analytical skills and basic computer systems design techniques.

Jan 08	Mon	12 wks	BBY	CRN 00227
Jan 09	Tues	12 wks	DEC	00201
Jan 10	Wed	12 wks	BBY	00216

COMP 262
*Data Base Concepts Level 1 \$160
Introduces the principles involved in the evaluation, selection and implementation of data base management systems.

Jan 10	Wed	12 wks	BBY	CRN 00196
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COMP 266
*Microcomputers: Business Applications \$193
Uses LOTUS 1-2-3 to construct business models in areas such as budgeting, etc.

Jan 08	Mon	12 wks	BBY	CRN 28108
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COMP 267
*Microcomputers: Package Implementation \$193
Using lectures, hands-on experience and data, students will be guided through all phases of the installation of a comprehensive business package. Other current packages will be discussed and compared.

Jan 10	Wed	12 wks	BBY	CRN 79073
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COMP 285
*SPSS \$196
Introduces programming techniques using the statistical package SPSS to generate such things as descriptive statistics and graphs.

Jan 09	Tues	12 wks	BBY	CRN 22059
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COMP 287
*Smalltalk and Object Oriented Programming \$196
The exciting and influential trend to OOPs with respect to programmer productivity, graphical interfaces and symbolic programming is explored using Smalltalk, the quintessential OOP language.

Jan 10	Wed	12 wks	BBY	CRN 28113
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COMP 333
*COBOL Programming Language Level 2 \$160
Continuation of COMP 233. Includes tape and disk file organization, utility programs and libraries, and table look-ups.

Jan 08	Mon	12 wks	BBY	CRN 00184
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COMP 346
*FOCUS \$193
How to create, update, and report from FOCUS data bases using FOCUS commands, TABLETALK and FILETALK.

Jan 11	Thurs	12 wks	BBY	CRN 75239
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COMP 360
*Computer Systems Testing \$196
Introduces students to the discipline of software testing. Discusses various levels of testing and focuses on the testing effort within the framework of the life cycle of a development project.

Jan 08	Mon	12 wks	BBY	CRN 13840
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COMP 361
*Computer Systems Development Level 2 \$193
Expands on material covered in COMP 261. Provides a working knowledge of systems analysis.

Jan 08	Mon	12 wks	BBY	CRN 00168
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COMP 384
*Decision Support Systems 2: Resource Allocation \$193
Covers methodology of deterministic models and techniques in solving management problems, using linear, dynamic and mathematical programming, and heuristic methods.

Jan 11	Thurs	12 wks	BBY	CRN 22062
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COMP 440
*CICS \$193
How to design and code on-line programs including screen mapping, on the IBM Mainframe.

Jan 08	Mon	12 wks	BBY	CRN 76497
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Electronics Technology

NOTE: Various courses in the following schedule are continued from the Fall Term. Registration is encouraged in these ongoing courses for part-time students who attended in previous years but had to withdraw. These students may rejoin a course this term on a partial fee basis. Department permission is required. Full and part-time students who are required to repeat a course may join ongoing courses with department permission. Phone Ernie Hancock at 432-8253 for more information.

ELEX 100
*Circuit Analysis 1 \$TBA
(For Engineering Technology.) Lectures and Labs. The essential foundation course for most electronics technology studies. Those with previous training and math beyond Algebra 12 may wish to consider Elex 208. Elex 100 teaches theory and lab practice in the principles and methods of analysis related to DC circuits and transients in R-L and R-C circuits.

CONTINUES: SEE NOTE
Jan 11 Thurs 30 wks BBY CRN 51608

ELEX 101
*Electronic Manufacturing Processes \$TBA
Shop experience intensive. Through the design and manufacture of specific electronic projects, students learn the skills required to do basic soldering, printed circuit repair and re-work, high reliability soldering, design and fabrication of single and double-sided printed circuit boards. For those with approved shop experience in all but printed circuit board design, see ELEX 163.

CONTINUES: SEE NOTE
Jan 09 Tues 28 wks BBY CRN 51613

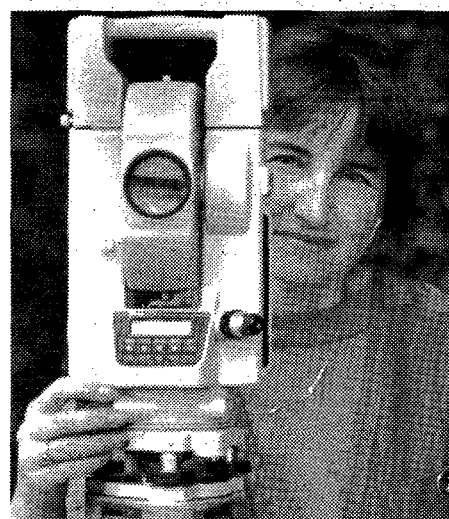
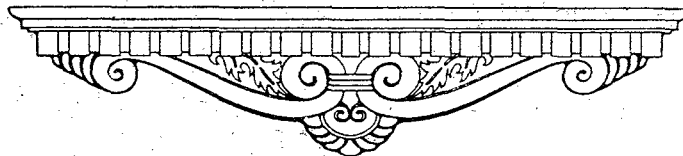
ELEX 102
*Digital Techniques 1 \$TBA
(For Engineering Technology.) Lectures and 14 labs. Foundation course for computer electronics studies. Theory is reinforced with 14 laboratory sessions. Digital logic circuits are designed, truth tables developed, Boolean output equations generated, circuits built and then tested in the lab.

CONTINUES: SEE NOTE
Jan 11 Thurs 28 wks BBY CRN 86639

ELEX 112
*Digital Techniques 1 Upgrade \$159
(For Engineering Technology.) Lectures and labs. Upgrades those with previous digital techniques training, i.e., ELEC 202, to the new ELEX 102 level. This is the second half of the ongoing ELEX 102.

Jan 11	Thurs	14 wks	BBY	CRN 17930
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Engineering Technology



Lifelong learning for women in technologies

If the adage "learning is a lifelong experience" is true, Vera Blackwell, Susan Harding and Lee McBain are living proof. All three returned to school once their children were old enough not to need constant supervision.

As if the double weight of high BCIT standards and family demands were not enough, the three women also chose male-dominated fields.

"I've been surprised by the lack of sexism I've encountered," says Susan Harding. Although the new graduate of the BCIT Survey Program hears constant warnings about gender prejudice, she's "had no problems."

A single mother of two teenagers, Harding worked as an accounting clerk for seven years, but "wanted more challenge and variety," she says. It was about nine months after she decided surveying looked interesting that she found out about the BCIT program, and was impressed by the Institute's reputation. A chat with BCIT faculty confirmed her choice.

ELEX 163
Printed Circuit Board Design \$186
(Printed Circuit Board Lab and lectures.) Bring your electronic project ideas and use our printed circuit board facility as your course project. Trains students in the design and manufacture of single and double-sided printed circuit boards. Also ELEX 101 upgrade.

Jan 11 Thurs 10 wks BBY CRN 29252

ELEX 200
***Circuit Analysis 2** \$TBA
(For Engineering Technology.) Lectures and 14 lab sessions. Introduces the behavior of electrical circuits and networks when driven by a single-phase alternating current (AC) source. Preparation for courses in electronics and power systems.

CONTINUES: SEE NOTE
Jan 09 Tues 25 wks BBY CRN 86621

ELEX 201
***PASCAL** \$TBA
(For Engineering Technology.) IBM PC-AT lab and lectures. An introductory course on microcomputer use, DOS operating system, programming languages, compilers and interpreters. Covers PASCAL programs for electronic engineering applications on IBM PC's.

CONTINUES: SEE NOTE
Jan 10 Wed 21 wks BBY CRN 86615

ELEX 202
***Digital Techniques 2** \$TBA
(For Engineering Technology.) Lectures and labs. Second level of computer electronics studies. Students design and test TTL logic circuits such as counters, shift registers, multiplexers, etc. TTL family specifications studies in detail.

CONTINUES: SEE NOTE
Jan 09 Tues 30 wks BBY CRN 86668

ELEX 203
***Electronic Circuits 1** \$TBA
(For Engineering Technology.) Lectures and labs. Explains how electronic circuits work: how to analyze, design, modify and combine them to perform complex functions. Topics include bipolar and field-effect transistor curves; V & I amplifier circuits, biasing, load line analysis, transistor switches, feedback oscillators, DC power supplies, etc.

CONTINUES: SEE NOTE
Jan 10 Wed 35 wks BBY CRN 86642

ELEX 208
***Circuit Analysis AC/DC** \$TBA
(For Engineering Technology.) Lectures and labs. An accelerated circuits course for persons with recent Algebra 12 or better prerequisite plus electrical trades training, or other post-secondary training with a strong background. A test at week 4 will determine those who will continue and those who will be advised to transfer to ELEX 100.

CONTINUES: SEE NOTE
Jan 10 Wed 30 wks BBY CRN 02248

ELEX 302
***Digital Systems** \$TBA
(For Engineering Technology.) Lectures and labs. A detailed study of a microcomputer system with intensive laboratory assignments. Includes data bussing, addressing schemes, memory devices, internal architecture, interrupt handling, machine/assembly language programming, an operating system and its software development tools.

CONTINUES: SEE NOTE
Jan 11 Thurs 30 wks BBY CRN 88774

ELEX 311
***Applications Software** \$398
CAD for Electronics. Hands on computer course, IBM PC 30-286's. Introduces the student to CAD computer programs used in engineering, DOS operating systems, Lotus 1-2-3 spreadsheet, printed circuit board layout programs and CAD drafting.

Feb 06 Tues/Thurs 12 wks BBY CRN 29269

ELEX 331
***Telecommunication Circuits and Systems 1** \$TBA
(For Engineering Technology.) Lectures and labs. Introduces the principles of telecommunications and defines the telecommunication system. Explains various modulation systems. Examines a typical transmitter and receiver. Frequency synthesis is also covered.

CONTINUES: SEE NOTE
Jan 10 Wed 30 wks BBY CRN 01494

ELEX 406
***Data Communication** \$TBA
Lectures and labs. Detailed study of data communication protocols and digital hardware with microcomputer interfacing examples and lab experiments.

CONTINUES: SEE NOTE
Jan 09 Tues 30 wks BBY CRN 01475

ELEX 412
***Computer Systems** \$TBA
Examines the techniques used in troubleshooting and design of microprocessor systems including memory systems, extended memory, dynamic memories, bus buffering, relocatable and modular software. ELEX 302 or equivalent is a required prerequisite.

CONTINUES: SEE NOTE
Jan 09 Tues 18 wks BBY CRN 01467

ELEX 512
***Introduction to Single Chip Microcomputers** \$210
Using the powerful new Motorola 68HC11 single chip microcomputer, students learn the application of data acquisition and communication. IBM type MS-DOS based computers will be used for machine language program development and a 68HC11 emulator board for interfacing and programming.

Feb 08 Thurs 10 wks BBY CRN 08950

ELEX 538
Introduction to RF Circuit Design for Engineers and Technologists \$375
Lectures and labs. For technicians, technologists and engineers. This course combines theory and lab practice of HF and VHF circuit design.

Feb 06 Tues/Thurs 8 wks BBY CRN 18323

ELEX 900
Microcomputer Experimentation on IBM AT \$155
How to use your PC to control electrical equipment. Introduces hardware and software concepts necessary for information input/output using assembler computer language on IBM PC's with 8088/8086 microprocessors. Of interest to engineering technologists and hobbyists in electronics or computer systems.

Jan 08 Mon 6 wks BBY CRN 22960
Feb 26 Mon 6 wks BBY 23143

ELEX 904
8086/8088 Microprocessors: Design, Programming and Interfacing \$195
Learn ASSEMBLY language programming and interfacing on Intel MCS8086 and 8088 PCs.

Jan 10 Wed 12 wks BBY CRN 29312

ELEX 905
PLC Introduction for Electronics Technology \$250
Examines the use of the programmable logic controller (PLC) in the area of industrial automation. Students will design and document solutions to control problems which can be tested on the PLC.

Feb 05 Mon 10 wks BBY CRN 27927

ELEX 940
Process Control Systems 1 \$175
Introduction to the basics of instrumentation and control in today's industrial environment. The feedback control strategy will be examined with proportional, integral and derivative modes applied to basic temperature, level and flow processes.

Feb 06 Tues 10 wks BBY CRN 29303

ELEX 945
Process Transducers 1 \$175
Introduction to basic industrial measurement systems. Students will learn the fundamentals for the most common measurements in the process industries including temperature, pressure, level and flow.

Feb 01 Thurs 10 wks BBY CRN 29295

ELEX 947
AutoCAD for Instrumentation and Control Systems \$275
Introduces AutoCAD to people in the consulting, plant or applications engineering groups of organizations that deal with instrumentation and control system design, configuration and documentation.

Jan 11 Thurs 12 wks BBY CRN 29329

ELEX 948
Distributed Computer and Control Systems Intro for Instrumentation \$395
For engineers, technologists and technicians. Participants will investigate the concepts of distributed control systems, including common functions and features as applied to typical process control.

Feb 06 Tues/Thurs 5 wks BBY CRN 29928

PREVIEW

Check upcoming publications for more information on the following courses which will be offered in Spring 1990 and Fall 1990 Terms.

SPRING 1990

ELEX 551
Using PAL's \$TBA
Teaches the basics of user programmable logic devices to customize address decoders, odd-sequence counters, and state machines using chips like the 16L8, 16R8, 22V10 and EP1800. Students learn to use IBM PC software like PALASM or ABEL to generate JEDED fuse maps. Assistance will be provided with client design projects.

Apr 10 Tues 8 wks BBY CRN TBA

ELEX 906
PLCs for Engineers and Technologists \$TBA
High level systems. Hands-on training on GE Series 6 (Genius I/O) systems.

Look for April offerings

FALL 1990

ELEX 303
***Electronic Circuits 2 (Control)** \$TBA
(For Engineering Technology.) Lectures and labs. A continuation of ELEX 203. Deals with circuit applications not previously covered and gives an introduction to linear integrated circuits.

Sep Mon 30 wks BBY CRN TBA

ELEX 307
***Pulse Techniques** \$TBA
(For Engineering Technology.) Introduces pulse signal circuits such as clippers and clamps, transistor switches, astable and monostable multivibrators, Schmitt triggers, ramp generators, DC to DC converters and phase lock loops. Both CMOS and discrete transistors are used in building these circuits.

Sep Mon 30 wks BBY CRN TBA

ELEX 513
***Single Chip Microcomputers 2 68HC11** \$TBA
Continuation of ELEX 512. Project course. Students will design and develop a 68HC11 based data acquisition computer module.

Sep Wed 10 wks BBY CRN TBA

ELEX 903
Metrology Standards and Measurements \$TBA

Introduction to electronic measurement systems. Includes the concepts of standards, measurement error and calibration. Also covers the internal workings and the making of operational measurements with test equipment such as DVMs, oscilloscopes, signal generators, frequency counters and spectrum analyzers.

Sep Tues 10 wks BBY CRN TBA

Geographic Information Systems (GIS)

AICO 522
Introduction to C Programming \$275
Emphasis on structured programming techniques in either a UNIX or DOS environment. ANSI Standard "C". Problems drawn from engineering, GIS and graphics.

Jan 10 Wed 10 wks BBY CRN 28698
Jan 11 Thurs 10 wks BBY 28709
Jan 29 Mon-Fri 1 wk BBY 28714

AICO 523
***Data Structures in "C"** \$275
A continuation of AICO 522. Stress on data structures, type definitions and fields. Problems drawn from Geographic Information Systems.

Mar 12 Mon-Fri 1 wk BBY CRN 28723

AICO 524
Forest Management Systems (GIS) \$275
An overview for forest resource managers of the capabilities of Geographic Information Systems. Stress on economical applications using case demonstrations.

Jan 22 Mon-Fri 1 wk BBY CRN 28737
Feb 19 Mon-Fri 1 wk BBY 28746

AICO 525
Introduction to GIS (PAMAP) \$275
Introduction to operational aspects of Geographic Information Systems using the PAMAP GIS in a microcomputer environment. Working problems drawn from resource management.

Jan 11 Thurs 12 wks BBY CRN 28758
Feb 19 Mon-Fri 1 wk BBY 28760

AICO 526
Introduction to GIS (TERRASOFT) \$275
Introduction to operational aspects of Geographical Information Systems using TERRASOFT GIS in a microcomputer environment. Working problems drawn from resource management.

Jan 08 Mon 12 wks BBY CRN 28771
Jan 09 Tues 12 wks BBY 28785
Jan 13 Sat 6 wks BBY 28792
Feb 05 Mon-Fri 1 wk BBY 28805

Engineering Technology



Vera Blackwell agrees that without her family's support she'd have had difficulty coping with the Building Program. Her four children think it's great that she went back to school.

Like Harding, Blackwell has found the men in the program accepting, although she noticed that "it was almost Easter last year before they asked me to join them for a beer after class."

"I'm perfectly capable of doing the same job as a male technologist," says Lee McBain who is finishing her first year of Civil and Structural Technology. Mother of two teenagers, McBain decided three years ago that it was time for something more than part-time retail work.

"I've always enjoyed fixing, poking and prodding," she says. After an aptitude test confirmed her technical orientation, a visit to BCIT suggested that the Civil and Structural Program, "would be interesting, provide job opportunities — and wouldn't involve shift work!"

People in the industry think highly of BCIT grads, she says. With this in mind, she hopes to go into site supervision within three to five years of graduation.

McBain has nothing but praise for BCIT's instructors and the Institute's open-door policy. And, like Harding and Blackwell, she speaks highly of her family's supportive attitude.

"Anybody can do what I'm doing," she says, "but it requires commitment."

"I wish I'd done this years ago. It's been tough, but the rewards are there."



MECH 250

***Pulp and Paper Processing Piping 1 \$230**
Introduces drafting techniques, symbols and dimensioning practices for welded, threaded and flanged piping. The student learns to draw scale piping layouts using single and double line drafting techniques; isometric piping drawing with dimensions and call outs.

Jan 09 Tues 14 wks BBY CRN 29274

MECH 350

***Pulp and Paper Processing Piping 2 \$394**
Students develop a piping arrangement drawing from preliminary layout to detailed design, including procedures for designing economical piping systems, layout of main process lines, critical lines and specialized piping.

Jan 13 Sat 12 wks BBY CRN 29283

MECH 401

***Machine Design 2 \$350**
Basic principles derived in MECH 301 are applied to various design elements. Topics include: springs, roller bearings, power screws, spur and helical gearing, level and worm gearing, couplings, brakes, clutches.

Jan 08 Mon/Wed 15 wks BBY CRN 30030

MECH 420

***Fluid Power 2 \$244**
Provides an understanding of hydraulic control systems and an introduction to fluid control systems and control logic.

Jan 09 Tues 18 wks BBY CRN 75618

MECH 436

***Auto Sprinkler System Design 2 \$160**
Advanced detailed instruction for persons involved in fire service, engineering design, supervision or inspection of automatic sprinkler systems in commercial and industrial buildings.

Jan 11 Thurs 12 wks BBY CRN 23039

MECH 444

***Metrology \$266**
Measurement of surface texture and flatness; optical and electrical comparators; metrology of screw threads; precision measuring instruments; fundamentals of inspection and mass production gauging.

Jan 11 Thurs 18 wks BBY CRN 24485

MECH 466

***Fluid Systems \$160**
Dimensionless parameters. Pump and piping characteristics, operation and maintenance. Cavitation. Air movement and supply, fan performance and characteristics, duct sizing and networks.

Jan 10 Wed 10 wks BBY CRN 17691

MSYS 320

***Heating and Ventilating 2 \$196**
Principles and practices of building zoning and fuel cost estimating. Also, a study of hydronic heating system components, controls, boilers, venting of appliances, gas piping, combustion and ventilation air, and design procedures.

Jan 11 Thurs 14 wks BBY CRN 21479

MSYS 430

Air Conditioning Controls and Systems \$266
This course enables students to understand where and when the following systems apply: VAV, constant volume, heat pumps, etc. Students also design air conditioning projects using latest software on IBM ATs.

Jan 11 Thurs 20 wks BBY CRN 21482

Mining Technology

MINE 151

General Interest Geology \$187
Designed for people interested in embarking on a career in service contracting to the Natural Resource Industry.

Jan 08 Mon 14 wks BBY CRN 23420

MINE 154

The Mining Industry \$160
Provides a background for those unfamiliar with the mining industry.

Jan 10 Wed 12 wks BBY CRN 22958

Leadership Training

ADMN 929

Supervision/Effective Leadership \$245
The focus of this two-day seminar will be on the functions and processes of leadership and the vital role played by first-line supervisors and managers in their organizations. Participants can expect to enhance their ability to improve worker performance through the use of improved LEADERSHIP and BASIC MANAGEMENT skills.

Feb 12 Mon/Tues 2 days VAN CRN 29216
Mar 21 Wed/Thurs 2 days VAN 29227
Apr 23 Mon/Tues 2 days VAN 56416

ADMN 931

Instructional Skills \$545
This five-day workshop focuses on the planning, institutional management, evaluation of learning, and the development of skills and confidence when instructing group or one-on-one training sessions. To allow for maximum participation, seating is limited to 10.

Jan 29 Mon-Fri 1 wk DEC CRN 29240
May 21 Mon-Fri 1 wk DEC 56427

For more information or to register by phone, please call Janice Budge at (604) 432-8539 or a program advisor at 1-800-242-0676.

VISA, MasterCard and company purchase order accepted.

Mechanical Technology

MECH 107

Introduction to Thermal Processes \$160
Introduction to heat and fluid processes. Liquids, gases and mixtures. First law of thermodynamics, basic steam and refrigeration cycles. Perfect gas laws.

Jan 09 Tues 12 wks BBY CRN 19400

MECH 140

Drafting Fundamentals \$196
An introductory course for persons with little or no experience in graphics.

Jan 08 Mon 14 wks BBY CRN 79264

MECH 200

***Mechanical Drafting 2 \$266**
Advanced techniques including limits and fits, isometric and orthographic single line piping diagrams, descriptive geometry, intersections, development gears, threads and fasteners, weld symbols, working drawings and projects.

Jan 10 Wed 20 wks BBY CRN 17672

MECH 208

***Dynamics \$266**
Kinematics: basic equation of motion, motion diagrams, trajectories. Kinetics: Newton's Laws, inertia, rectilinear and rotational kinetics, systems of bodies.

Feb 13 Tues 20 wks BBY CRN 17689

MECH 240

***Manufacturing Processes 2 \$244**
Machine tool operations, production processing and economics, evaluation of production features, maintenance, metal joining processes and equipment, production costs and design applications.

Jan 08 Mon 18 wks BBY CRN 22992

AICO 626

***Advanced GIS Software (TERRASOFT) \$275**

A continuation of AICO 526 covering database linkage, use of database software, coordinate geometry, digital terrain modelling, analytical GIS functions and importing and exporting of data. Students will have the opportunity to work on a project and data set of their own choosing.

Feb 24 Sat 6 wks BBY CRN 28891
Mar 19 Mon-Fri 1 wk BBY 28906

AICO 628

***Advanced GIS Software (ARC/INFO) \$275**
A continuation of AICO 528, covering use of Arc Macro language programming, database software, coordinate geometry, digital terrain modelling, analytical GIS functions and importing and exporting of data. Students will have the opportunity to work on a project and data set of their own choosing.

Mar 26 Mon-Fri 1 wk BBY CRN 28919

Landscape Technology

LAND 104

Horticulture \$239
This introductory course encompasses botany, plant propagation and the scientific principles of the art of horticulture. Practical aspects such as annual flower production, hanging baskets, chrysanthemum culture and related projects will be carried out in the greenhouse.

Jan 09 Tues 18 wks BBY CRN 78343

LAND 106

Pesticides for Retailers and Landscape Applicators \$90
For persons engaged in retailing, commercial landscape maintenance or nursery crop production.

Jan 08 Mon/Wed 3 wks BBY CRN 22914
Feb 12 Mon/Wed 3 wks BBY 22937

LAND 201

***Landscape Structural \$160**
Introduces the production of detailed plans for use in the landscape industry to persons with basic knowledge of landscape materials and fundamental drafting techniques. Students learn to prepare detailed plans for structural items.

Jan 11 Thurs 12 wks BBY CRN 22923

LAND 203

Residential Landscape Design \$239
Examines site inventory, client requirements, functional analysis and the aesthetics of both hard and soft landscaping to produce functional and pleasant landscape concept plans and planting plans for single family residences. MECH 140 recommended but not required.

Jan 10 Wed 18 wks BBY CRN 08648

LAND 208

Sports Turfgrass Management \$160
An introductory course in turfgrass management for persons associated with maintenance of golf courses, municipal parks and outdoor recreational facilities.

Jan 08 Mon 12 wks BBY CRN 76360

AICO 527

Land Related Information Systems (GIS) \$275

An overview course for surveyors and municipal personnel of LRIS, covering the multi-purpose cadastre, municipal mapping, data entry, map-merging and analysis. Case studies will be used to illustrate.

Jan 29 Mon-Fri 1 wk BBY CRN 28818
Mar 26 Mon-Fri 1 wk BBY 28820

AICO 528

Introduction to GIS (ARC/INFO) \$275
Introduction to operational aspects of Geographic Information Systems using the ARC/INFO GIS in a Sun workstation environment. Working problems drawn from resource management and urban applications.

Jan 08 Mon 12 wks BBY CRN 28836
Jan 13 Sat 6 wks BBY 28682
Feb 19 Mon-Fri 1 wk BBY 28847

AICO 529

Introduction to DBMS (dBASE) \$275
Database concepts and models, data entry, editing, updating, query and report generation, importing and exporting of data, programming for dBASE. Working problems drawn from engineering and Geographic Information Systems.

Jan 10 Wed 12 wks BBY CRN 28863
Feb 12 Mon-Fri 1 wk BBY 28854

AICO 618

Remote Sensing \$275
Describes the concepts and foundations of remote sensing and processing of digital imagery, and the integration of remotely sensed data and GIS for resource management problems.

Jan 09 Tues 12 wks BBY CRN 28872

AICO 623

***Graphics Programming in C \$275**
Covers principles of interactive computer graphics, two and three-dimensional transformations, fundamental algorithms for computer graphics. Students will write C programs utilizing graphics libraries (PHIGS, GKS) in a UNIX environment. Working problems drawn from engineering and Geographic Information Systems.

Mar 19 Mon-Fri 1 wk BBY CRN 28889

Engineering Technology



Renewable Resources

FSTR 155
Wildland Recreation \$160
Examines the importance of the wildland recreation manager to the proper planning and administration of Canada's wildlands.
Jan 09 Tues 12 wks BBY CRN 78351

FSTR 158
Metric Log Scaling \$680
Prepares candidates for the BC Forest Service Licensed Scalers examination (Coastal). Students learn the skills involved in accurate measurement, volume estimations and grading of coastal logs for value through classroom sessions and practical scaling in various locations along the north arm of the Fraser River.
Feb 03 Sat/Sun 13 wks BBY CRN 23803

FSTR 202
Introduction to Soils \$239
Introduces soil formation, soil as foundation and as a medium for plant growth. Covers the properties of soil: texture, structure and organic matter content; water retention.
Jan 11 Thurs 18 wks BBY CRN 78430

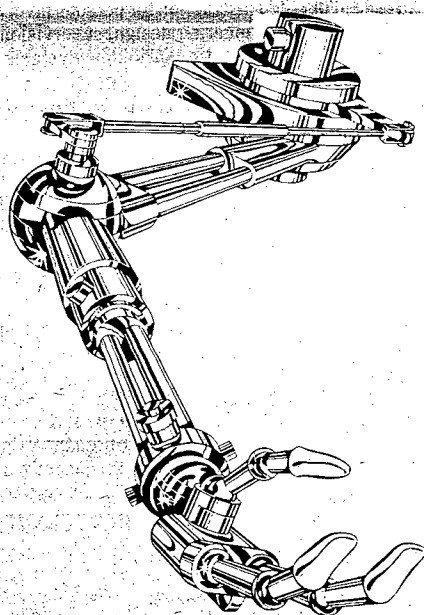
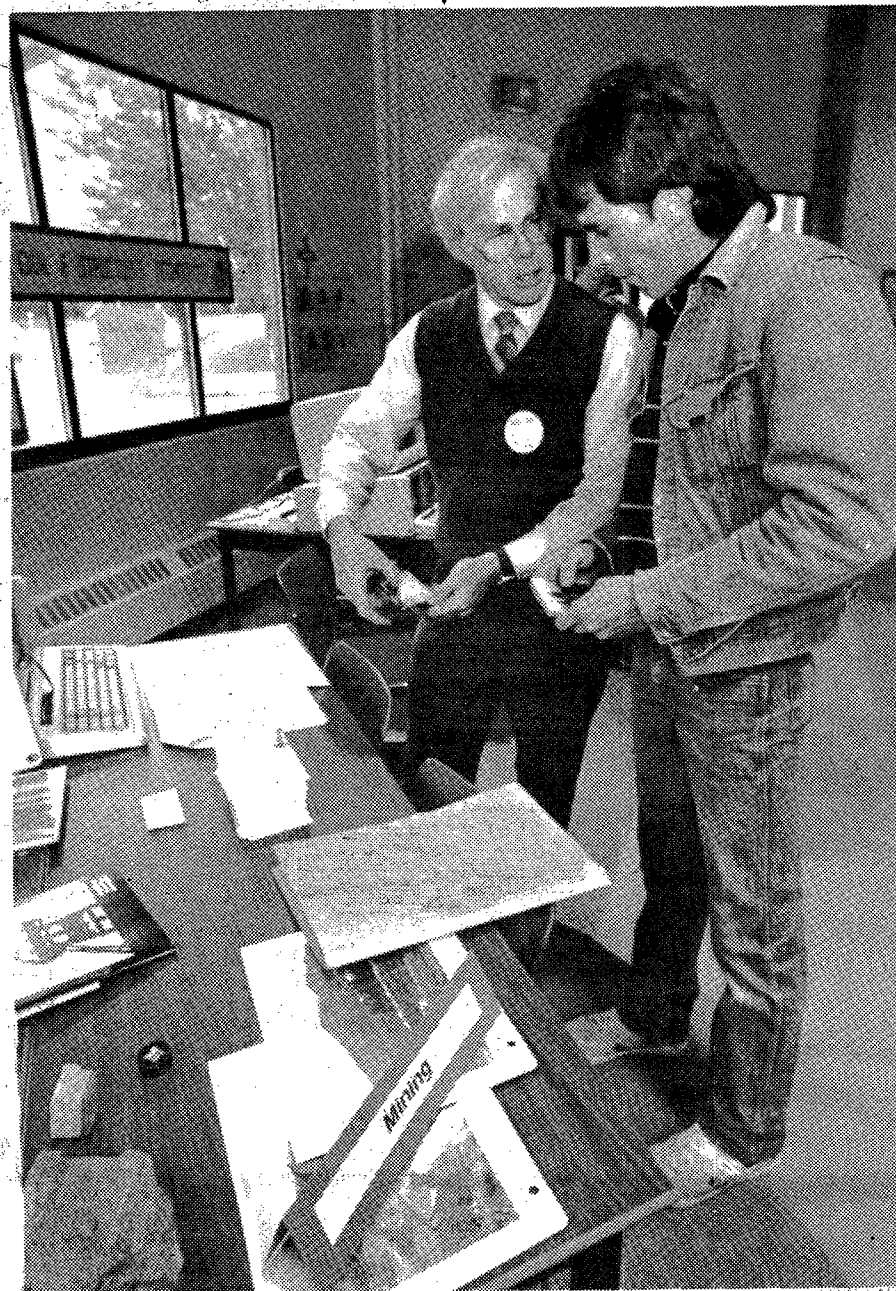
FSTR 250
Ecology \$239
Introduces students to the basic concepts and terminology of ecology.
Jan 08 Mon 18 wks BBY CRN 78522

FSTR 426
Forest Administration \$160
Designed for people interested in beginning a career in service contracting to the natural resource industry.
Jan 08 Mon 12 wks BBY CRN 87490

ENROL NOW!

CLASSES START WEEK OF
JANUARY 8

PHONE
434-1610



Robotics and Automation

ROBT 303
***Microprocessors and Interfacing** \$398
Microprocessor architecture, assembly language programming, input/output operations, interrupt handling and peripheral chips.
Jan 08 Mon/Wed 15 wks BBY CRN 19411

ROBT 900
Introduction to Industrial Robotics \$170
Investigates various types of industrial robots and the coordinate systems in which they operate. Hands-on instruction will be given on BCIT's robotic systems.
Jan 13 Sat 5 wks BBY CRN 19425

Survey and Mapping

PHOT 102
Photo Interpretation \$239
Engineers, planners, foresters, geographers, hydrologists, geologists and agriculturists, learn the application and interpretation of aerial photographs and other remote sensor acquired data, as applied to their respective fields.
Jan 09 Tues 18 wks BBY CRN 89293

SURV 118
Programmable Calculators - H.P.s \$160
Covers 2 aspects of the programmable calculator: manual use and programming.
Jan 11 Thurs 12 wks BBY CRN 78535

SURV 325
***Survey CAD 1** \$275
Topics include sequential files, string manipulation, microcomputer graphics, role of CAD in surveying, basic programming for plotters and digitizers, data collector transfers, reduction of field data and coordinate geometry programs.
Jan 08 Mon 12 wks BBY CRN 23102

SURV 369
Hydrographic Surveying \$160
Tides and water levels; obtaining, positioning and reducing soundings; an overview of electronic positioning, electromagnetic wave propagation and positioning systems; propagation of sound in water; acoustic positioning and devices used in hydrography; types and uses of nautical charts.
Jan 10 Wed 12 wks BBY CRN 23491

SURV 410
***Survey Computations 3** \$160
Covers vertical and transition curves in engineering surveying and computations for local control surveys.
Jan 09 Tues 12 wks BBY CRN 76133

SURV 463
Mathematical Cartography \$265
Theory of map projections and distortions, classification of projections, conic, cylindric and azimuthal systems. Universal Transverse Mercator projection and all involved computations. Stereographic projection for the maritime provinces. Polyconic projection of British Columbia.
Jan 11 Thurs 20 wks BBY CRN 89307

SURV 469
***Planning and Land Utilization** \$160
Planning process as it applies to regional and community planning; role of various planning authorities and their powers; legislation affecting planning; zoning and its implication on land use and land development; land use studies; subdivision of land and elementary economics related to land development.
Jan 11 Thurs 12 wks BBY CRN 23126

ENGINEERING TECHNOLOGY CAREER NIGHTS

Winter/Spring
1989/90

Thursday nights from
7 to 9 pm
in the
Administration Boardrooms
at
BCIT
3700 Willingdon Avenue
Burnaby

1989
November 9
December 7

1990
January 4
February 1
March 1
April 5
May 3
June 7

For more information please call
Student Services at 434-3304.

Trades Training

Automotive training program specializes

According to Ron Evans, the impact of modern technology on the automobile may have made the all-purpose car mechanic a thing of the past. On-board computers and complex electronic systems have created a demand for such specialized knowledge, that even manufacturers' dealers have a hard time keeping up with new features.

"We have cars on the road now with five or six on-board computers and a body computer to control all the others," says Evans, BCIT's Associate Dean of Mechanical Industries training.

"They control almost every function of the car, including the driver's comfort. They can sense the driver's alertness through electronic sensing in the steering wheel, then make adjustments to the seat, windows, air conditioning and radio volume so the driver doesn't doze off."

Evans says that automotive training has gone beyond learning about simple mechanical systems and now venturing more into advanced science.

"The kinds of skills that mechanics of the future will require come more from the academic realm than anywhere else," he explains. "They need to be skilled in deductive reasoning, diagnostic and problem-solving processes. They must understand fibre optics, applied physics, computers, information processing and so on."

Few in the industry would challenge the fact that BCIT-trained automotive technicians are



Ron Evans, Associate Dean of Mechanical Industries Training, and Instructor Terry Fletcher (above) are shown state-of-the-art computerized automobile by Instructor Vince Piva at the wheel.

among the best coming into the workforce. Evans says the BCIT Automotive Program conducts about 65 per cent of all apprenticeship training in the province — from entry-level training through to specialized programs in automotive electronics and alternate fuels. And, because of the program's extensive contacts within the industry, it is able to maintain a curriculum that is current and has the most modern equipment.

Automotive

AUTO 900
*Automotive TQ Refresher \$286
For tradespersons preparing for the Provincial Automotive Mechanical Repair Trade Qualification Examination.

Jan 08 Mon/Wed 10 wks BBY CRN 98866

AUTO 905
Fundamentals of Electronic Testing \$133
Introduces the professional technician to electrical and electronic testing.

Jan 08 Mon/Wed 3 wks BBY CRN 21822
Mar 05 Mon/Wed 3 wks BBY 21835

AUTO 907
*Automotive Tune-up and Electrical \$237
This highly-developed training course will allow students with limited experience to perform automotive tune-ups and electrical testing.

Jan 08 Mon/Wed 7 wks BBY CRN 13449

AUTO 908
*Automotive Electrical/Electronics \$230
An advanced course for experienced automotive mechanics specializing in fuel system service and advanced tune-up techniques.

Jan 09 Tues/Thurs 7 wks BBY CRN 98825

AUTO 909
*Electronic Engine Controls and Fuel Injection \$286
An advanced course for experienced automotive mechanics specializing in servicing late model, microprocessor-controlled engine and fuel injection systems.

Mar 06 Tues/Thurs 5 wks BBY CRN 05706

AUTO 910
*Auto Information Processing \$114
Familiarizes students with new generation of service manuals and information sources, information compilation, access and processing.

Jan 09 Tues/Thurs 2 wks BBY CRN 21731

AUTO 911
*GM Computer Control Systems \$286
This advanced course covers all facets of General Motors computerized systems.

Jan 23 Tues/Thurs 5 wks BBY CRN 21745

AUTO 914
*Ford Computer Control Systems \$286
This advanced course covers all facets of Ford computerized systems.

Mar 05 Mon/Wed 5 wks BBY CRN 21759

AUTO 918
*Import Computer Control Systems \$286
An advanced course that covers all facets of the major Japanese and European computerized systems.

Jan 09 Tues/Thurs 5 wks BBY CRN 21762

AUTO 919
*Body Electronic Computer Systems \$229
An advanced course for students who want to diagnose and repair body electronic support systems.

Mar 06 Tues/Thurs 4 wks BBY CRN 21777

AUTO 920
*Automotive Air Conditioning \$286
For mechanics who wish to increase their job opportunities by adding specialized knowledge about automotive air conditioning systems to their skills.

Jan 08 Mon/Wed 7 wks BBY CRN 98811

AUTO 921
*Air Conditioning/Electronic Controls \$86
An advanced course for professional technicians. Deals with overview of basic A/C controls leading into various electronic climate control systems. Emphasis on diagnosing computer controlled features.

Mar 05 Mon/Wed 1 wk BBY CRN 21786

AUTO 922
*Automotive Brake Servicing \$214
For mechanics who require upgrading in brake servicing.

Jan 08 Mon/Wed 5 wks BBY CRN 98857

AUTO 924
Automotive Front End Alignment \$284
Takes you through basic angles to the latest front wheel and 4x4 alignment techniques. Other topics include power steering boxes, electronic rack and pinion, and four wheel steering.

Jan 09 Tues/Thurs 7 wks BBY CRN 98800

AUTO 927
*Electronic Suspension Controls and Steering \$114
For professional technicians who want to be qualified to diagnose and repair computerized active suspension and electronic steering systems.

Mar 20 Tues/Thurs 2 wks BBY CRN 21819

AUTO 928
Automotive Automatic Transmissions \$284
An ideal refresher for automotive mechanics who require upgrading in automatic transmissions.

Jan 09 Tues/Thurs 7 wks BBY CRN 98844

AUTO 929
*Automotive Automatic Transmission Computer Controls \$114
An advanced course for students who wish to qualify to diagnose and repair automatic transmission-related electronics systems in domestic and imported cars.

Mar 06 Tues/Thurs 2 wks BBY CRN 22481

AUTO 950
*NGV (Natural Gas) Fuel Systems for Vehicles \$172
Installing and servicing NGV conversions. Prepares students to write the Provincial Gas Safety Branch Licensing Exam. Prerequisite: AUTO 957.

Feb 17 Sat 3 wks BBY CRN 21806

AUTO 957
*LPG (Propane) Fuel Systems for Vehicles \$286
Installing and servicing LPG conversions. Prepares students to write the Provincial Gas Safety Branch Licensing Exam. To become eligible to write the exam, approval from the Gas Safety Branch is required and recommended before you register.

Jan 13 Sat 5 wks BBY CRN 21790

Aviation

AVIA 902
Aviation Transportation of Dangerous Goods \$175
The transportation of dangerous goods is subject to regulation. Find out about these regulations and what constitutes dangerous goods.

Jan 15 Mon/Wed 5 wks SEA CRN 29700
1900-2200

AVIA 904
Aviation In-house Training \$189
Developed by an industry specialist catering specifically to aviation training. Keeping current and proper training is important to a growing organization. If you are developing your own in-house training, you will find this course helpful. Any Aircraft Maintenance Engineer who has worked with apprentices will find this course beneficial.

Jan 15 Mon/Wed 5 wks SEA CRN 29711
1900-2200

AVIA 905
Air Regulations \$160
An in-depth study of the Air Regulations required knowledge for Aircraft Maintenance Engineers. Presents the new Airworthiness Manual changes as well as the old Engineering and Inspection Manual. Mechanics wanting to write the Department of Transport exam and engineers wanting to learn about the new Air Regulation changes will find this course helpful.

Jan 16 Tues/Thurs 5 wks SEA CRN 28569
1900-2200

AVIA 909
Aircraft Pressurization and Environmental Systems \$189

Assists Aircraft Maintenance Engineers and Mechanics to write the Transport Canada exam for Pressurization endorsement. Any aircraft owner or pilot wanting to know how environmental systems work will find this course beneficial.

Jan 15 Mon/Wed 5 wks SEA CRN 28538
1900-2200

AVIA 917
Aircraft Sheet Metal Introduction \$160
Combines both theoretical and practical components to instruct in the fundamentals of aircraft sheet metal repair. Students are introduced to aircraft structures, structural materials, lay-out and forming techniques, bend allowances, hand tools, fasteners and rivets. Hands-on instruction for the proper use of equipment, techniques and safe practices is provided. This course has been designed to complement AVIA 965 Aircraft Manufacturing and Production Processes. May be used as a primer to the full-time day program.

Jan 16 Tues/Thurs 5 wks SEA CRN 87725
1900-2200

AVIA 920
Aircraft Sheet Metal Advanced \$160
Continues where the introduction (AVIA 917) left off. The practical assignments are more challenging and the theory more complex.

Jan 15 Mon/Wed 5 wks SEA CRN 29904
1900-2200

AVIA 922
Aviation Storesperson \$175
Persons currently involved with aviation parts and equipment receive advanced instruction about the operation of a stores department and the handling of sophisticated aerospace equipment. Manual and computerized inventory control systems will also be covered.

Jan 16 Tues/Thurs 5 wks SEA CRN 21584
1900-2200

AVIA 923
Helicopter Maintenance \$160
Presents a theoretical introduction to how the helicopter flies (achieves lift), how to steer (control direction) and basic maintenance. The theory component introduces acceptable maintenance practices by performing a Daily Inspection as prescribed by a helicopter manufacturer. Designed to suit novices interested in helicopters, persons on the full-time program waiting list, or pilots who want a mechanical introduction.

Jan 15 Mon/Wed 5 wks SEA CRN 87733
1900-2200

AVIA 925
Avionics \$160
An introductory course designed for persons considering a career in Avionics as well as persons who have completed an electronics course and are considering a career change. No prerequisites other than a desire to learn. This course complements AVIA 900, AVIA 901, AVIA 903 and AVIA 945.

Jan 15 Mon/Wed 5 wks SEA CRN 21596
1900-2200

AVIA 926
The History of Aviation in British Columbia \$160

Fun, entertaining and informative, this course provides the opportunity to explore the West Coast's aviation history. The people, facilities, aircraft and industries development. Designed for anyone of ages 13 and up.

Jan 15 Mon/Wed 5 wks SEA CRN 21602
1900-2200

Trades Training



AVIA 927 Aircraft Composite Repair \$239

An introduction to wet lay-up repairs for aircraft composite components. The course stresses safety requirements during the handling of aircraft parts, chemicals and precision portioning of resins and hardeners. Interim and time-limited repairs are carried out on aircraft-like structures using the methods required by the Boeing Aircraft Company. Due to the critically time-sensitive practical assignments, it is imperative that students be punctual. Protective clothing, gloves, eye and ear protection are supplied by the Institute. Students must wear solid leather footwear (sneakers are not permitted). Persons allergic to solvents and resins should not attempt this course.

Jan 20 Sat 7 wks SEA CRN 21617
0900-1300

AVIA 930 Aircraft Drafting and Blueprints \$160

Designed as a hands-on drafting course. Enables students to read blueprints using practical assignments. Terminology, standards, views, lettering, scales and techniques are introduced.

Jan 20 Sat 7 wks SEA CRN 29725
0900-1300

AVIA 933 Aviation Trade Math \$160

Math upgrading/refreshers and aviation applications are easily understood in this course. Persons awaiting entry to full-time day programs and working in the aviation industry will find this course beneficial. Trigonometry for sheet metal layout, fuel consumption, aircraft weight and balance, compression ratios and much more, are introduced.

Jan 16 Tues/Thurs 5 wks SEA CRN 28574
1900-2200

AVIA 936 Aircraft Maintenance Management Introduction \$239

Provides individuals with the opportunity to develop the managerial organizational and communication skills needed to manage maintenance functions effectively. The course continues at the advanced level, which provides instruction, case studies, home assignments and general exposure to the following topics: Creating an effective maintenance organization; using basic management concepts; recognizing and applying the elements of motivation; planning and scheduling maintenance functions; effective communications; applying the techniques and methods of time management; legal responsibilities/AME and Foreman; creating a maintenance department training system.

The introduction focuses on fundamental working knowledge and skills, while the second advanced half focuses on the team approach using the techniques covered in the introduction. This is an intensive course. Students should be prepared to spend a minimum of 20 hours weekly devoted to class time and homework.

Jan 16 Tues/Thurs 5 wks SEA CRN 21626
1900-2200

AVIA 940 Gas Turbine Engines \$160

The theory of the gas turbine engine is presented in technical language understood by all students. In-depth knowledge of engine development, operating principles, classification and terminology, is gained. Individuals who wish to know how gas turbine engines work will find this course rewarding. A field trip to Canadian Airlines International engine overhaul facility is incorporated in the curriculum.

Jan 15 Mon/Wed 5 wks SEA CRN 21643
1900-2200

AVIA 942 Ultralight Aircraft Maintenance \$175

Ultralight maintenance instruction includes the airframe structure, metallurgy of alloys used in ultralight construction, nondestructive testing, shop practice and tools, flight control systems and theory of flight.

Jan 16 Tues/Thurs 5 wks SEA CRN 21651
1900-2200

AVIA 950 Introduction to Aviation \$64

Find out about the Aviation Industry. Anyone considering the industry as a career can find out about training costs and availability, what fields are available and those that are in particular demand. A tour is incorporated in the curriculum.

Jan 23 T/Th/S 1 wk SEA CRN 21665
1900-2200

AVIA 960 Aircraft Painting \$160

Aircraft painting, refinishing, corrosion control and prevention are the major topic areas discussed in lectures. Topics include paint types, strippers, equipment, purposes and metal preparation. The course will be useful to anyone interested in aircraft painting. Potential students may have prior industrial painting experience or no painting background at all.

Jan 15 Mon/Wed 5 wks SEA CRN 28552
1900-2200

AVIA 970 Aircraft Maintenance for the Pilot/Owner \$80

Uses the Ministry of Transport Guidelines to the maintenance a pilot/owner can perform on his/her aircraft. From these guidelines, this short course provides hands-on instruction for the tasks set out by the Ministry. Students may wish to use their own aircraft for a training exercise. Due to the nature of the course, supplies for the training exercise will be the responsibility of the owner. Scheduling of aircraft for the exercise will be subject to the operating considerations of the Institute and space availability. Arrangements can be made by contacting the Sea Island Campus and asking for Sharyl Brown (278-4831).

Jan 23 Tues/Thurs 2 wks SEA CRN 13379
1900-2200

AVIA 975 Nondestructive Testing for Aircraft Introduction \$189

Nondestructive testing techniques are introduced and practised. Whether you are working with aging fleets or brand new aircraft, these new and old inspection techniques are critical to your work.

Jan 16 Tues/Thurs 5 wks SEA CRN 24857
1900-2200

Information on any of these courses can be obtained by writing or calling:
BCIT, 5301 Airport Road South, Richmond, B.C.
V7B 1B5 (604) 278-4831

Carpentry

CARP 905 Blueprint Reading for Construction \$202

Designed for persons working in the construction trades who wish to read blueprints. Students should have related building trade experience although it is not mandatory.

Jan 20 Sat 10 wks BBY CRN 12705
Jan 30 Tues/Thurs 6 wks BBY 21498

CARP 906 Custom Cabinet Construction and Installation \$242

Designed for carpenters and kitchen cabinet installers who must build on-site and install to specifications. Students must have experience in the use of carpentry hand and power tools, and a working knowledge of framing methods.

Jan 27 Sat 6 wks BBY CRN 12718

CARP 907 Residential Renovations \$251

Designed for homeowners, realtors, carpenters and contractors who wish to learn professional renovation skills.

Feb 06 Tues/Thurs 7 wks BBY CRN 29063

CARP 909 Carpentry TQ Refresher \$259

Provides students with the necessary instruction to enable them to write the Provincial Carpentry Trade Qualification Examination.

Jan 20 Sat 14 wks BBY CRN 12720

CARP 911 Stair Construction \$123

Designed for journeymen carpenters or those with a minimum of 2 years related trade experience. The course will review mathematics, design, construction and related building codes.

Jan 27 Sat 5 wks BBY CRN 13023

Women in Trades

TEXP 900 Trades Exploratory Program for Women \$100

An overview of various trades in terms of working conditions, physical requirements, labor/market conditions, wage rates and support services will be presented. Through "hands-on" projects in electrical/electronics, carpentry or benchwork/joinery, mechanics and plumbing you will gain an appreciation for the type of work these trades offer. You will assess the work environment through industry tours.

The program is open to all women. You should have an interest in learning about trades, enjoy working with your hands and have good manual dexterity. You may be working in a traditional job or re-entering the workforce and wish to research a career in the trades.

*Cost has been reduced through funding provided by the Women's Secretariat (MAJET). Further funding may be available for those requiring assistance.

Jan 10 Wed 10 wks BBY CRN 29054

CARP 913 Concrete Formwork Design \$178

For carpenters, contractors, those who work with concrete sales delivery, form rentals, re-bar installation and construction laborers.

Jan 23 Tues/Thurs 4 wks BBY CRN 13037

CARP 914 Homebuilder: Computer Systems \$245

A computer-based course designed for small-scale construction builders. Ideal for managing multi-residential building using Timberline software.

Jan 20 Sat 9 wks BBY CRN 31938

CARP 915 Construction Supervision and Project Management \$225

For persons with competent trade skills in the construction industry who wish to acquire management skills.

Jan 22 Mon/Wed 8 wks BBY CRN 13046

CARP 917 Construction Estimating Basic \$200

Designed for tradespersons involved with cost estimating and bidding on multi-residential, light commercial and renovation construction projects.

Jan 23 Tues/Thurs 6 wks BBY CRN 13058

CARP 918 Project Estimating and Control \$287

A computer-based course designed for large construction projects. Students will learn hands-on skills enabling them to monitor and control project scheduling, administration and budgets.

Jan 23 Tues/Thurs 7 wks BBY CRN 31940

CARP 921 Framing, Roofing and Layout \$242

West Coast framing and layout for students with little or no practical carpentry experience.

Jan 20 Sat 6 wks BBY CRN 13060
Feb 10 Sat 6 wks BBY 21507

CARP 927 Interior Finishing Carpentry \$202

Enables carpenters to complete interior residential finishing to professional standards. Recommended for students who are carpenters or for those who have worked in the trade for more than 3 years.

Jan 27 Sat 8 wks BBY CRN 13071

CARP 935 Residential Building Procedures \$234

Focuses on the planning, estimating and construction of new single or multi-residential units.

Jan 23 Tues/Thurs 5 wks BBY CRN 13085
Feb 12 Mon/Wed 5 wks BBY 21515

CARP 937 Builders Level \$103

Designed for general construction, carpenters, site procedures for excavation, formwork, pipe grades and design elevation.

Jan 20 Sat 4 wks BBY CRN 13092

CARP 939 Transit for Construction Layout \$156

Includes a review of basic trigonometry for transit layout purposes. Students will review hands-on training using transit, chaining, note keeping and related on-site procedures. Beginning and advanced students will benefit from this intensive course.

Feb 17 Sat 4 wks BBY CRN 13106

CARP 947 Steel Stud Construction \$156

Steel stud construction techniques, layout and assembly to building code. For persons with a minimum of 2 years experience in building construction.

Feb 03 Sat 4 wks BBY CRN 13122

CARP 950 Applied Construction Math for Carpenters \$126

A refresher for carpenters, estimators, site supervisors or anyone having to make mathematical calculations for construction purposes.

Feb 12 Mon/Wed 3 wks BBY CRN 13141

CARP 954 Vinyl Siding Application \$223

Designed for manually skilled individuals. How to apply siding for the purpose of increasing carpentry skills or earning a supplementary income.

Feb 10 Sat 4 wks BBY CRN 13153

Joinery

JOIN 901 Woodwork Basic \$222

For those who wish to increase their job opportunities by learning new skills. Will appeal to hobbyists familiar with hand and power tools.

Feb 06 Tues/Thurs 7 wks BBY CRN 13226

JOIN 902 Benchwork Upgrade \$282

Accomplished cabinet builders and benchwork students will benefit greatly from this class. Reviews advanced woodworking skills according to the average level of class competence.

Feb 06 Tues/Thurs 8 wks BBY CRN 13234

Computer Trades

TCMP 911 Microcomputer Systems: Maintenance 1 \$191

Reviews analog/digital electronics, basic microcomputer architecture, troubleshooting methodology for sophisticated systems. Gives hands-on training in advanced uses of test instruments.

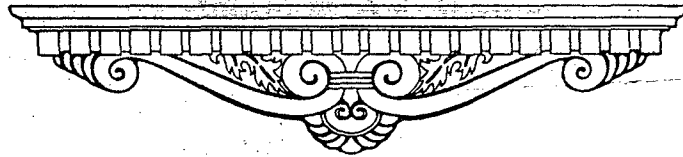
Jan 09 Tues/Thurs 5 wks BBY CRN 89186

TCMP 913 Microcomputer Systems Maintenance 2 \$201

Teaches maintenance skills with hands-on instruction in the repair of keyboards, disk drives, controllers and monitors for Apple II computer system series.

Feb 12 Tues/Thurs 5 wks BBY CRN 89190

Trades Training



ENROL NOW!

CLASSES START WEEK OF
JANUARY 8

PHONE

434-1610

TELX 951

***Electronics 1: Solid State Devices \$212**
Diodes, semi-conductor theory, zeners, LED's, transistors, mosfets, SCR's, triacs, diacs, UJT's and programmable UJT's.

Jan 08	Mon/Wed	6 wks	BBY	CRN 98930
Feb 19	Mon/Wed	6 wks	BBY	23510
Feb 20	Tues/Thurs	6 wks	BBY	24545

TELX 952

Electronics 2: Digital Techniques 1 \$212
Introduction to binary and BCD number systems and codes, logic gates, truth tables, Boolean algebra, flip-flops, counters, shift registers, IC timers and troubleshooting techniques.

Jan 09	Tues/Thurs	6 wks	BBY	CRN 98929
Feb 20	Tues/Thurs	6 wks	BBY	24559

TELX 953

***Electronics 3: Digital Techniques 2 \$212**
Logic parameters (speed, current drive capabilities, etc.), comparison of types of TTL logic (74S, 74LS, 74ALS, etc.), CMOS, tri-state logic, binary and BCD arithmetic, memory chips and circuits.

Jan 08	Mon/Wed	6 wks	BBY	CRN 24562
Feb 20	Tues/Thurs	6 wks	BBY	98912

TELX 954

Electronics 4 \$357
Based on the 6800 microprocessor, the course covers microcomputer basics, architecture, addressing modes, branching, computer arithmetic and simple programming in machine language.

Jan 08	Mon/Wed	6 wks	BBY	CRN 30501
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TELX 955

***Electronics 5 \$199**
A continuation of TELX 954, focused on stack operations, subroutines, input/output operations, interrupts and interfacing simple circuits.

Feb 19	Mon/Wed	6 wks	BBY	CRN 30516
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TELX 981

***Programmable Controllers 1 \$241**
Covers the basic knowledge required to operate a programmable controller. Includes overview and advantages of PLCs, installation and hardware requirements, peripheral devices, system operation, hands-on programming to relay replacement level using dedicated programming terminals.

Jan 08	Mon/Wed	6 wks	BBY	CRN 07594
Feb 19	Mon/Wed	6 wks	BBY	98898

TELX 982

***Programmable Controllers 2 \$241**
Provides hands-on training in the use of dedicated programming software. Explores the power of PLC data manipulation and math routines.

Jan 09	Tues/Thurs	6 wks	BBY	CRN 07581
Feb 20	Tues/Thurs	6 wks	BBY	98882

TELX 983

***Programmable Controllers 3 \$241**
Provides an introduction to data communications, use of "smart cards", e.g., analog, ASCII, etc., report generation and subroutines. All programs concentrate on safe installation and programming techniques.

Jan 08	Mon/Wed	6 wks	BBY	CRN 18198
Feb 19	Mon/Wed	6 wks	BBY	98879

TELX 988

Programmable Controllers 1S \$546
Covers the basic knowledge required to operate a programmable controller. Includes overview and advantages of PLCs, installation and hardware requirements, peripheral devices, system operation, hands-on programming to relay replacement level using dedicated programming terminals.

Mar 12	Mon-Fri	1 wk	BBY	CRN 05271
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TELX 989

***Programmable Controllers 2S \$546**
Provides hands-on training in the use of dedicated programming software. Explores the power of PLC data manipulation and math routines.

Mar 19	Mon-Fri	1 wk	BBY	CRN 05285
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TELX 990

***Programmable Controllers 3S \$546**
Provides an introduction to data communications, use of "smart cards", e.g., analog, ASCII, etc., report generation and subroutines. All programs concentrate on safe installation and programming techniques.

Mar 26	Mon-Fri	1 wk	BBY	CRN 05292
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DRFT 916

***Drafting Specialization: Process Piping 2 \$260**

Involves work in process piping, flow diagrams, heat exchangers, instrumentation, compressors and pumps. The student will be responsible for producing working drawings using advanced drafting techniques.

Jan 10	Wed	12 wks	BBY	CRN 23418
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Program Advisors will assist you with program planning and course selection. Please call for an appointment, (604) 434-3304.

Electrical Trades

TELX 905

Electrical Code 1 \$307
Prepares students to write either the Class C or Class B Certificate Exam by giving a good working knowledge of the Canadian Electrical Code (except for high voltage). (**See Trade Qualification Certificate Examinations.)

Jan 09	Tues/Thurs	10 wks	BBY	CRN 85010
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TELX 907

***Electrical Code 2 \$307**
All sections of the current Electrical Code, with particular emphasis on high voltage requirements, to prepare students for writing the Class A Certificate Exam. (**See Trade Qualification Certificate Examinations.)

Jan 09	Tues/Thurs	10 wks	BBY	CRN 85028
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TELX 912

Electrical Estimating \$254
Ideal for electricians who want to learn how to estimate electrical work including labor and materials costs, pricing and quotations; fundamentals of commercial and industrial estimating, including the analysis of request for quotation and bid documents, materials take-off from prints and schematics, labor costing and preparation of bid documents.

Jan 13	Sat	6 wks	BBY	CRN 23297
Feb 24	Sat	6 wks	BBY	24524

TELX 913

Electrical Trade Qualification 1 \$199
The 1st of a 2-part program for tradespersons preparing for the Electrical Trade Qualification Exam, and those wanting a current review. (**See Trade Qualification Certificate Examinations.)

Jan 09	Tues/Thurs	6 wks	BBY	CRN 23308
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TELX 915

***Electrical Trade Qualification 2 \$199**
A continuation of TELX 913, this course completes the refresher program for the electrical trade. (**See Trade Qualification Certificate Examinations.)

Feb 20	Tues/Thurs	6 wks	BBY	CRN 23313
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****Trade Qualification Certificate Examinations.**
To become eligible to write a TQ examination, approval from the Ministry of Labour, Apprenticeship Branch, is required, and it is strongly recommended by the Ministry that the tradesperson contact the Apprenticeship Branch before registering at BCIT.

Construction

CNST 934

Drywall Installation and Finishing \$259
Covers basic drywalling skills required by the construction industry.

Jan 27	Sat	8 wks	BBY	CRN 85171
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CNST 955

Traffic Control Training \$60
A short, comprehensive course covering all the skills necessary to meet minimum provincial standards, for persons seeking employment as flagging personnel at highway construction projects.

Jan 27	Sat	1 day	BBY	CRN 13164
Feb 24	Sat	1 day	BBY	13170

Drafting Trades

DRFT 901

Drafting: Basic \$213
Provides a foundation in basic drafting including equipment and tools, line work, lettering, applied mathematics, plane geometry, dimensioning, sections, charts and graphs. Please note that courses run from 1730 to 2030.

Jan 08	Mon/Wed	7 wks	BBY	CRN 23359
				88925
Feb 27	Tues/Thurs	7 wks	BBY	30872

DRFT 903

***Drafting: Advanced \$213**
Expands on the basic drafting course and allows students to progress into their drafting specialty. Please note that courses run from 1730 to 2030.

Jan 08	Mon/Wed	7 wks	BBY	CRN 23362
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DRFT 910

***Drafting Specialization Electrical 1 \$424**
Includes distribution systems, single-line diagrams, motor lists and data, grounding and bonding, lighting, and the inter-relationship with other plans.

Jan 09	Tues/Thurs	10 wks	BBY	CRN 28159
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DRFT 911

***Drafting Specialization: Electrical 2 \$212**
Includes power and branch circuit layout, conduit and raceway schedules, instrumentation heat tracing.

Mar 20	Tues/Thurs	5 wks	BBY	CRN 28162
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DRFT 915

***Drafting Specialization: Process Piping 1 \$260**
Introduces fittings, pipes, valves and welding symbols and will include the basics of isometric drawings. Students will be responsible for producing shop drawings.

Jan 09	Tues	12 wks	BBY	CRN 28997
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Trades Training

Electronics Guided Learning

This is a series of 10 practical courses on electronic circuitry and its function in current industrial equipment, designed for anyone who services electronic equipment, or requires a practical course in electronics and microprocessor troubleshooting. All you need to join is an interest in electronics and some knowledge of basic arithmetic.

These courses emphasize hands-on experience starting with learning the test equipment and simple components, progressing to more complicated components and microprocessor circuits. By the end of MTCE 905, you will be familiar with microprocessor programming fundamentals and micro-peripheral circuits.

Each course consists of approximately 20 hours of home study and 21 hours supervised lab time, with emphasis on hands-on practice in operation and troubleshooting. With approval, you may be able to skip the beginning courses and start at a more advanced level.

ORIENTATION: An orientation evening is held one week before the start of each session (see orientation list below). The instructor will be available at these sessions to answer any enquiries. Registered students attending these sessions are provided with a self-study manual. Students are expected to pick up this manual at the orientation session, study the manual in their own time in advance of each class, and work through each experiment in class. An instructor is available to assist, if required.

Orientation dates for the following course schedules:

January 10
February 28

MTCE 901
***Electronics 1: Solid State Devices** \$167
For those with little or no experience with solid state components. The 1st lab experiences will show you how to use test equipment and build and test analog circuits.

Jan 16 Tues 7 wks BBY CRN 12907
Mar 06 Tues 7 wks BBY 12921

MTCE 902
***Electronics 2: Digital Techniques 1** \$167
Introduces integrated circuits; Boolean algebra, number systems and conversion codes.

Jan 16 Tues 7 wks BBY CRN 12942
Mar 06 Tues 7 wks BBY 76453

MTCE 903
***Electronics 3: Digital Techniques 2** \$167
This course covers logic circuit applications and some additional specialized chips.

Jan 16 Tues 7 wks BBY CRN 76392
Mar 06 Tues 7 wks BBY 76556

MTCE 904
***Electronics 4: Microprocessors 1** \$225
Covers the programming of microprocessors. Experiments will allow you to practice machine language programming and debugging.

Jan 16 Tues 7 wks BBY CRN 75586
Mar 06 Tues 7 wks BBY 76371

MTCE 905
***Electronics 5: Microprocessors 2** \$167
Continuation of MTCE 904. This course covers the fundamentals of interfacing. You will wire and troubleshoot additional logic circuits to work in conjunction with the MPU during labs.

Jan 16 Tues 7 wks BBY CRN 76100
Mar 06 Tues 7 wks BBY 76530

MTCE 906
***Electronics 6: Micro Interfacing 1** \$225
Interfacing is a major part of all microprocessor applications. This course covers several interfacing situations.

Jan 16 Tues 7 wks BBY CRN 75590
Mar 06 Tues 7 wks BBY 76001

MTCE 907
***Electronics 7: Micro Interfacing 2** \$167
The continuation of MTCE 906. We look at the whole family of processors.

Jan 16 Tues 7 wks BBY CRN 75654
Mar 06 Tues 7 wks BBY 76095

MTCE 908
***Electronics 8: Communications** \$167
Covers AM, FM, Pulse modulation and antenna theory. Students will breadboard and test modulators, transmitters, detectors, receivers, multiplexers and modems.

Jan 16 Tues 7 wks BBY CRN 29005
Mar 06 Tues 7 wks BBY 29018

MTCE 909
***Electronics 9: Fiber Optics** \$167
Covers theory of optics, light sources, detectors and systems. Students will build and test LED transmitters, receivers and systems.

Jan 16 Tues 7 wks BBY CRN 29020
Mar 06 Tues 7 wks BBY 29036

NOTE: The following two courses may be taken separately from the first seven.

MTCE 928
Operational Amplifiers \$167
Introduces the use of operational amplifiers in industrial control. Covers signal conditioning and wave generation functions.

Jan 16 Tues 7 wks BBY CRN 75866
Mar 06 Tues 7 wks BBY 76567

MTCE 936
***Build, Test and Run Own Computer** \$167
Introduces the basics of a personal computer by assembling a PC and running programs. Become familiar with the operating system and some utility programs. A complete run through the hardware covers keyboard and five internal PC board waveforms and functions.

Jan 16 Tues 7 wks BBY CRN 84892
Mar 06 Tues 7 wks BBY 84996

Glazing

GLAZ 901
Blueprint Reading for Glaziers \$128
Designed to assist glaziers who wish to improve their understanding of blueprints as applied specifically to the glazing trade. Intensive use of architectural and shop drawings will give glaziers more confidence and a complete understanding of blueprint reading.

Jan 15 Mon/Wed 3 wks BBY CRN 13188

Heavy Duty Mechanic

HDMX 905
***Heavy Duty Mechanic TQ Refresher** \$286
For tradespersons preparing for the Provincial Heavy Duty Mechanic Trade Qualification Examination, and those wanting a current review.

Jan 08 Mon/Thurs 10 wks BBY CRN 21989

HDMX 925
Air Brakes for Mechanics \$215
For mechanics with limited experience servicing air brakes, and for owner/operators of trucks/fleets.

Jan 20 Sat 6 wks BBY CRN 22475

HDMX 930
***Commercial Transport Mechanic TQ Refresher** \$286
For tradespeople preparing for the Provincial Commercial Transport Mechanic Trade Qualification Examination, and those wanting a current review.

Jan 08 Mon/Thurs 10 wks BBY CRN 21841



HDMX 950
***Commercial Vehicle Inspector** \$200
Prepares students to write the Provincial Inspectors License Examination. B.C. Ministry of Transportation and Highways curriculum is used.

Jan 08 Mon/Wed 5 wks BBY CRN 13404
Jan 09 Tues/Thurs 5 wks BBY 13410
Feb 12 Mon/Wed 5 wks BBY 13428
Feb 13 Tues/Thurs 5 wks BBY 13432

Machinist

MACH 900
***Machinist TQ Refresher** \$286
For tradespersons preparing for the Provincial Machinist Trade Qualification Exam, and those wanting a current review.

Jan 06 Sat 12 wks BBY CRN 13591

MACH 905
Machine Shop Operator 1 \$258
Provides a general understanding and practical experience in machine shop operation and the safe operation of drills, saws and lathes.

Jan 08 Mon/Wed 6 wks BBY CRN 21870
Feb 19 Mon/Wed 6 wks BBY 13607

MACH 906
***Machine Shop Operator 2** \$258
Provides practical experience in general machine shop operation and advanced instruction in the safe operation of milling machines, cylindrical and surface grinders.

Jan 08 Mon/Wed 6 wks BBY CRN 21888
Feb 19 Mon/Wed 6 wks BBY 13615

MACH 907
***Machine Shop** \$258
Enables students to build up their basic operator skills through intensive, hands-on instruction and shop practice. A primer for advanced machining programs.

Jan 06 Sat 6 wks BBY CRN 21853
Feb 17 Sat 6 wks BBY 21864

MACH 909
Computers for Machinists \$171
Designed for the individual who wishes to enter the area of Computer Numerical Control. Program covers: parts of a microcomputer, basic operations required to get you up and running, along with an introduction to various application programs. You will be shown how to use a simple word processing package to create and edit a CNC program. Enrollment limited to 8 students.

Jan 08 Mon/Wed 3 wks BBY CRN 30988
Feb 05 Mon/Wed 3 wks BBY 30997
Mar 05 Mon/Wed 3 wks BBY 31002

MACH 910
Introduction to Computer Numerical Control \$324
Allows machinists to keep current by learning on state-of-the-art computerized equipment. Includes the operation of a CNC lathe with reference to machining centres.

Jan 09 Tues/Thurs 8 wks BBY CRN 13621
Mar 06 Tues/Thurs 8 wks BBY 21897

MACH 911
***CNC Milling Operations** \$284
Emphasizes advanced CNC machine shop operations with student computer boards and CNC training equipment.

Mar 03 Sat 7 wks BBY CRN 13639

MACH 914
***CNC Lathe Operations** \$284
A follow-up course to MACH 910. Offers instruction on set-up programming and operations performed on a Mori Seiki SL3 H Lathe with Fanuc Control.

Jan 06 Sat 7 wks BBY CRN 21905

MACH 923
***Tool and Die Making** \$324
An exploratory introduction to the theory and skills of tool and die making using current production methods.

Jan 06 Sat 8 wks BBY CRN 21920
Mar 10 Sat 8 wks BBY 21936

Trades Math

TMAT 935
***Industrial Mathematics Level 1** \$165
Arithmetic operations, fractions, decimals, metric systems, ratio and proportion, percentages, area and volume.

Jan 09 Tues/Thurs 5 wks BBY CRN 21947
Mar 13 Tues/Thurs 5 wks BBY 21954

TMAT 936
***Industrial Mathematics Level 2** \$131
Algebra operations, equations and formulas, exponents and logarithms, graphs, trigonometry and trade applications are covered.

Feb 06 Tues/Thurs 4 wks BBY CRN 21963

Millwright

MILL 900
***Millwright TQ Refresher** \$286
For tradespersons preparing for the Provincial Millwright Trade Qualification Exam, and for those wanting a current review.

Jan 08 Mon/Wed 10 wks BBY CRN 13668

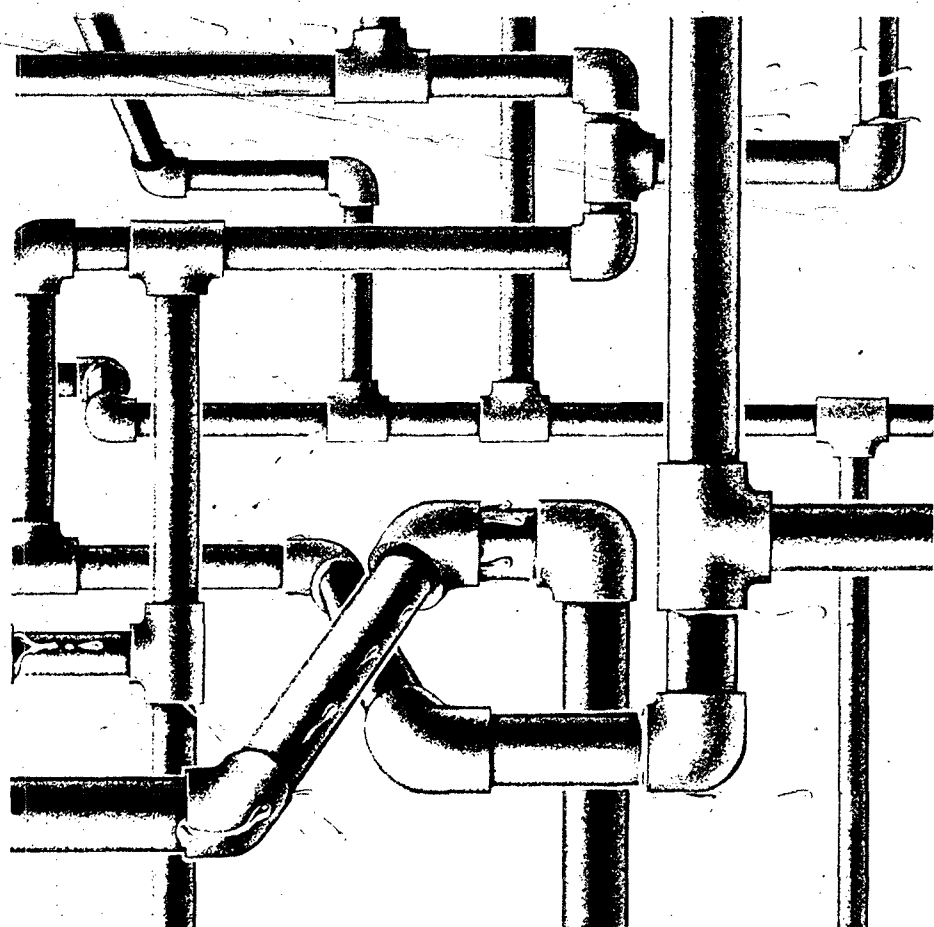
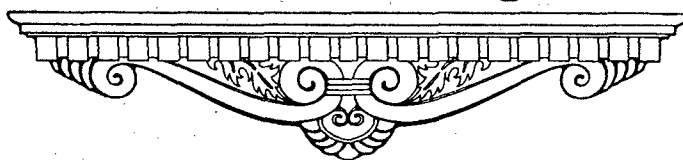
MILL 902
***Industrial Hydraulics Stationary** \$230
Assists maintenance personnel at industrial sites in the testing, repair, examination and troubleshooting of basic fluid power circuits and component parts.

Jan 09 Tues/Thurs 7 wks BBY CRN 13673

MILL 910
***Machine and Coupling Alignment** \$230
Theory and practice of coupling alignment using state-of-the-art devices, including laser optical devices.

Jan 08 Mon/Wed 7 wks BBY CRN 21918

Trades Training



Painting and Decorating

PDEC 923
Furniture Finishing and Refinishing \$167
For students with little or no experience of furniture finishing.

Jan 20 Sat 6 wks BBY CRN 21972

PDEC 933
Painting and Decorating TQ Refresher \$286
Provides experienced students with the theoretical instruction to enable them to write the provincial painting exam. Students should have a working knowledge of painting skills.

Mar 06 Tues/Thurs 10 wks BBY CRN 31952

PDEC 952
Professional Sign Painting \$728
This full-time, 2-month, intensive course is designed for students wishing to learn sign painting to professional standards.

Feb 05 Mon-Fri 8 wks BBY CRN 13325

Piping/Plumbing/Gas

PPGS 905
Cross Connection Control \$156
Designed for persons involved in the installation and maintenance of back flow prevention devices for pollution of domestic water supply.

Jan 29 Mon/Wed 5 wks BBY CRN 13333

PPGS 909
Gas Fitter B License (previously Grade 1) \$330

This course is a requirement of the Ministry of Labour Gas and Safety Branch for students wishing to write the examination to qualify as Gas Fitter B License.

Jan 15 Mon/Wed 14 wks BBY CRN 05305
Jan 22 Mon/Wed 14 wks BBY 88957
Feb 06 Tues/Thurs 16 wks BBY 88966

PPGS 910
***Gas Fitter A License** \$417
This course is a requirement of the Ministry of Labour Gas and Safety Branch for students wishing to write the examination to qualify for Gas Fitter A License. Students must have class B for 2 years or more.

Jan 16 Tues/Thurs 22 wks BBY 13280

PPGS 914
Class C Appliance Service \$297
Holder may service gas appliances for residential or light commercial up to 400,000 BTU.

Jan 30 Tues/Thurs 13 wks BBY CRN 29089
Feb 20 Tues/Thurs 13 wks BBY 29091

PPGS 917
Plumbing: Residential \$166
This general interest course will appeal to homeowners with do-it-yourself aptitude and will provide sufficient skills for students to feel confident about the quality of their workmanship.

Jan 27 Sat 4 wks BBY CRN 88979

PPGS 919
Plumbing TQ Refresher \$262
Provides students with the instruction necessary to write the Provincial Plumbing examination.

Jan 23 Tues/Thurs 10 wks BBY CRN 13299
Feb 06 Tues/Thurs 10 wks BBY 88982

Practical Horticulture

HRTC 900
Professional Floristry Design \$493
Focus on floristry techniques (hands-on training) and employer/customer expectations. Includes first-aid safety; fresh, dried and silk flower arranging; Ikebana, wedding, Xmas and church floral arrangements; mechanics of making corsages, boutonnieres, wreaths, planters, sprays, bouquets, table centrepieces; cost pricing, order-taking, packaging and delivery; customer service and employee role; field trip to wholesale florist business.

Jan 16 Tues/Thurs 7.5 wks BBY CRN 18182
1800-2200

HRTC 912
Plant Propagation \$143
Of value to nursery workers and home gardening enthusiasts alike. Topics include stem, leaf and root cuttings; divisions and layering; planting procedures for seeds; environmental factors; propagation houses, grafting and budding; bulb planting.

Mar 12 Mon/Wed 3 wks BBY CRN 86986

HRTC 915
Professional Lawn Maintenance \$170
For those viewing this as a job opportunity, or for homeowners wanting a quality lawn. Covers site preparation, seeding and sodding; mowing, fertilizing, watering and thatching; weed and moss control; insect and disease control.

Mar 05 Mon/Wed 4 wks BBY CRN 86913

HRTC 918
Practical Gardening for the Homeowner \$173

Basic theory and landscape techniques; pests and diseases; plant association of trees, shrubs and perennials; small garden design; lawn establishment and care; pruning techniques; soil management and care; plant propagation; organic gardening techniques; winter flowering shrubs; greenhouses and coldframes; bulbs; difficult and rare plants.

Mar 07 Wed/Sat 5 wks BBY CRN 24618
1900-2200 W
0900-1200 S

HRTC 919
Pruning Basics \$103
Techniques for pruning shrubs, fruit trees, climbing and wall plants, trees, hedges and roses.

Jan 09 Tues/Sat 3 wks BBY CRN 24620
1900-2200 T
0900-1200 S

HRTC 920
Indoor Plant Maintenance \$173
Learn a skill which could lead to a new career — techniques for maintaining healthy tropical plants inside the home or office. Includes plant identification, soils, nutrition (fertilizers), pests and diseases, environmental factors, watering principles and public relations.

Feb 03 Sat 6 wks BBY CRN 24636
0900-1300

HRTC 921
Design for the Town Garden 1 \$147
Learn to design and maintain yards and gardens successfully. Includes general layout; estimating and cost management; grading and drainage; structural facilities and materials; soil improvement; plant materials; lawn maintenance; theory and principles of design; history of landscape design.

Jan 08 Mon/Wed 4 wks BBY CRN 24647

HRTC 922
***Design for the Town Garden 2** \$147
Learn the necessary skills to prepare a landscape plan for a town garden. Emphasis on landscape drafting. Includes use of drafting instruments; basic surveying; preparation of plan views; cross sections and elevations; landscape symbols; lettering techniques; preparation of a plant list.

Feb 05 Mon/Sat 4 wks BBY CRN 24654
1900-2200 M
0900-1200 S

HRTC 931
Plant Identification 1 \$147
Basics of nomenclature and plant identification. Includes botanical, common and family names; plant culture, hardiness, landscape placement and propagation.

Jan 11 Thurs/Sat 4 wks BBY CRN 24663
1900-2200 Th
0900-1200 S



HRTC 932
Plant Identification 2 \$147
Identification of broadleaf evergreens with emphasis on the use of plant keys. Field trips included.

Feb 08 Thurs/Sat 4 wks BBY CRN 24672
1900-2200 Th
0900-1200 S

HRTC 933
Plant Identification 3 \$147
Focus on conifers. Field trips included.

Mar 07 Thurs/Sat 4 wks BBY CRN 24689
1900-2200 Th
0900-1200 S

ONE-DAY WORKSHOPS

HRTC 950
Pruning Workshop \$58
Gain confidence in pruning trees, shrubs and herbaceous plants in your yard.

Jan 13 Sat 1 day BBY CRN 24726
0900-1600

HRTC 951
Lawn Management Workshop \$58
Start the growing season off right by getting the facts on maintaining a beautiful lawn year-round.

Mar 17 Sat 1 day BBY CRN 24734
0900-1600

HRTC 952
Vegetable Gardening Workshop \$58
Make the most of your vegetable patch by keeping it in constant production. Includes demonstrations of soil preparation, seeding, etc.

Mar 31 Sat 1 day BBY CRN 24734
0900-1600

HRTC 953
Landscaping Workshop \$58
Avoid costly mistakes by taking the time to learn the basics of landscape design.

Mar 10 Sat 1 day BBY CRN 24751
0900-1600

HRTC 954
Tree Care Workshop \$58
For the homeowner/amateur gardener. Basic theory and practice of tree care (arboriculture) including tree biology; identification; fruit and ornamental tree pruning principles and techniques.

Jan 20 Sat 1 day BBY CRN 24765
0900-1600

HRTC 955
Balcony/Patio Garden Workshop \$58
Learn to grow an imaginative, full range of plants for your patio or balcony container garden. Includes the use and selection of hanging baskets and containers.

Mar 31 Sat 1 day BBY CRN 24778
0900-1600

HRTC 956
Irrigation Workshop \$58
Learn how to design and install your own irrigation system.

Feb 03 Sat 1 day BBY CRN 24780
0900-1600

HRTC 957
Nightscaping Workshop \$58
Maximize the use of your garden at night and create different moods by enhancing its unique features with special effects lighting.

Feb 10 Sat 1 day BBY CRN 24799
0900-1600

HRTC 958
Ikebana Workshop \$58
The Japanese art of flower arranging. Fee includes all materials and supplies.

Jan 27 Sat 1 day BBY CRN 24800
0900-1600

Feb 24 Sat 1 day BBY 24811
0900-1600

HRTC 959
Flower Arranging Workshop \$90
Learn to make a table centrepiece and arrangements of fresh flowers to take home. Fee includes all materials and supplies for three arrangements. Valentine's Day theme for February session. Easter theme for March session.

Feb 03 Sat 1 day BBY CRN 24825
0900-1600

Mar 03 Sat 1 day BBY 24833
0900-1600

Trades Training

Refrigeration: Commercial

TREF 915

***Commercial Air Conditioning 2** \$265
The first of a four-part program in commercial air conditioning. Enables students to identify the components of a refrigeration system, explains its function, join copper tubing with flares, sedge, and soft solder/hard solder connections.

Jan 15 Mon/Wed 8 wks BBY CRN 87523

TREF 917

***Refrigeration TQ Refresher** \$292
For tradespeople preparing for the Provincial Refrigeration Trade Qualification Exam, and for those wanting a current review.

Jan 08 Mon/Wed 11 wks BBY CRN 08187

TREF 921

***Commercial Air Conditioning Shop** \$345
Students troubleshoot air conditioning systems for malfunctions and carry out preventive maintenance.

Jan 27 Sat 6 wks BBY CRN 88812

Small Engines

SENG 900

Small Engine Powered Equipment Maintenance \$242
Maintenance and general repair of engines and allied equipment for lawn mowers, chain saws, generator units and other utilities powered by air-cooled 2- and 4-stroke engines.

Jan 08 Mon/Wed 8 wks BBY CRN 13703

Steel Fabrication

STEL 909

Steel Fabrication \$265
Focuses on mathematics, pattern development, blueprint reading, welding and the proper use of industrial machines. Students follow a typical steel fabrication project from initial design to shop production.

Jan 15 Mon/Wed 10 wks BBY CRN 13756

STEL 911

***Steel Fabrication Estimating** \$180
Offers those with a practical background in steel fabrication a basic understanding of steel fabrication estimating, from material take-off to the erection of a project.

Jan 16 Tues/Thurs 6 wks BBY CRN 13767

STEL 913

***Steel Fabrication: Plate and Pipe Development** \$180
Methods of plate and pipe development for steel fabrication; fabricating and using templates to shear, burn, form and tack plates together (to make an elbow and a square to round).

Jan 16 Tues/Thurs 6 wks BBY CRN 13775

STWD 901

***Blueprint Reading for Welding and Steel Fabrication Basic** \$175
Training covers all aspects of blueprint reading as applied to welding.

Jan 16 Tues/Thurs 5 wks BBY CRN 13816

STWD 902

***Blueprint Reading for Welding and Steel Fabrication Advanced** \$164
Will improve tradespersons' skills and employability by dealing with more complicated aspects of layout.

Jan 16 Tues/Thurs 4 wks BBY CRN 13827

Welding

WELD 903

Oxyacetylene Welding: Braze Welding \$273
A basic fuel gas welding course for beginners. Includes safety, shop practice, procedures and operation of related equipment.

Jan 20 Sat 7 wks BBY CRN 13505

WELD 915

Shielded Metal Arc Welding Basic \$345
A basic arc welding course for the individual who wishes to learn S.M.A.W. to trade standards.

Jan 15 Mon/Wed 7 wks BBY CRN 13520

Jan 16 Tues/Thurs 7 wks BBY 13536

Jan 20 Sat 8 wks BBY 13518



Sheet Metal program wins recognition

BCIT's Sheet Metal program was the focus of attention last March when two of its apprentices won first place in the Regional Sheet Metal Apprentice Contest. Two others finished in the top ten and the BCIT team took the overall award for combined marks.

Competing against 35 apprentices from Oregon, Washington, B.C. and Alaska, Roger Day (second year) and Brian Kusek (third year) earned top honours in the competition, earning them a place in the National Contest in Minneapolis in May. They competed against apprentices from across the U.S.

The contest, sponsored by the U.S.-based National Training Fund for the Sheet Metal Industry, consisted of a drafting project, a written test, a blueprint reading, and an eight-hour shop project.

While both students missed top spots in the national contest, BCIT Chief Instructor Gord Bradbury, who accompanied them to Minneapolis, was pleased with their performance.

"The fact that a student even gets to the national contest is really something," Bradbury says. "They are competing against the cream of the crop in the sheet metal field."

"It's quite a feather in their caps to have gone to Minneapolis."

In an industry that relies on well-honed fabrication skills, BCIT is turning out some of the most qualified sheet metal apprentices in the province, according to Mike Cannell, Associate Dean of Construction and Metal Industry Training programs.

That's good news for sheet metal employers who are currently demanding more qualified apprentices than ever before.

"Employment opportunities for sheet metal workers are phenomenal, right now," says Cannell. "We've gone from the recessionary low point in the construction industry to a boom situation right now."

"We can't get them into our program fast enough or get them out fast enough."

Due to industry demand, BCIT has added a second Sheet Metal entry-level class this year.

"The reason a lot of people haven't been coming to the construction trades is that during the recession, people didn't think they offered much career potential," Cannell explains.

"All that has changed and what we're seeing right now proves there is a great need for trained people — there always will be. Career potential has never been better."

Graduates of this program take jobs in a variety of industries, most notably in areas where moving air and materials are required. They build air conditioning and ventilation ducts for the pulp and paper industry, mining industry, woodworking factories, commercial offices and residential housing. They also build "blowpipe" for moving grain or sawdust, and stainless steel kitchen/restaurant equipment.

Cannell and Bradbury admit the sheet metal field is not immune to the cyclical nature of the construction industry, despite the high demand for qualified journeymen.

"Some areas are more consistent than others," says Bradbury. "Work in the blowpipe industry, for example, is more continuous because of the amount of repairs. Sawdust and grain just eat out the pipes, no matter what materials are used."

"It's a very high-paying industry as well," adds Cannell.

While other industries are being inundated with technological change, Cannell says sheet metal fabrication has moved at a slower pace. New equipment and materials have changed somewhat but the basics of fabricating metals remain the same.

"There has been some automation in the field, notably plasma arc cutting systems," says Cannell.

"That is our goal here — teaching highest quality fabrication skills, and providing industry with the best journeymen."



Sheet Metal Program Chief Instructor Gord Bradbury: "Employment opportunities are very good in the sheet metal industry."

WELD 941

Gas Tungsten Arc Welding Basic \$292
Covers shielding gases, electrodes, equipment, procedures and practical applications (in the flat, horizontal and vertical positions) of G.T.A.W.

Jan 20 Sat 6 wks BBY CRN 13554

WELD 953

Submerged Arc Welding \$159
Shop-related welding using the Submerged Arc Welding process.

Jan 15 Mon/Wed 3 wks BBY CRN 13572

WELD 957

Gas Metal Arc Welding Basic \$270
This process is used by most metal fabricators in the province. The course will cover basic weld joints in the flat, horizontal and vertical positions. Successful completion of this course may meet credit transferability to the G.M.A.W. Section of P6 Module, Level C.

Jan 20 Sat 6 wks BBY CRN 21539

Upholstery

UPHL 961

Upholstery Furniture Basic \$234
Practical, hands-on instruction on how to recover upholstered furniture enabling students to cut, sew and apply fabric on their own projects.

Jan 04 Thurs/Tues 6 wks BBY 19374

UPHL 962

Automotive Upholstery Basic \$234
Practical hands-on instruction on how to re-cover automotive interiors. This course enables students to cut, sew and apply fabric on their own projects.

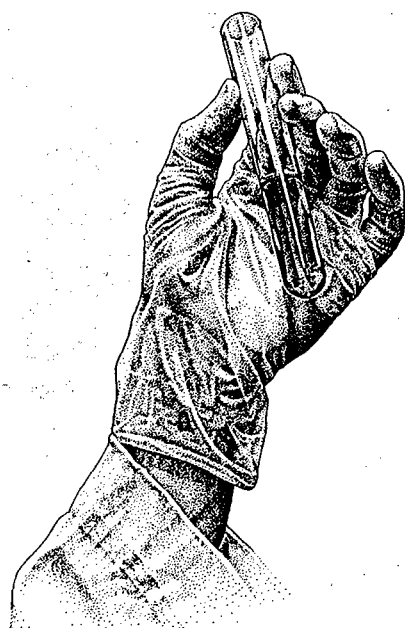
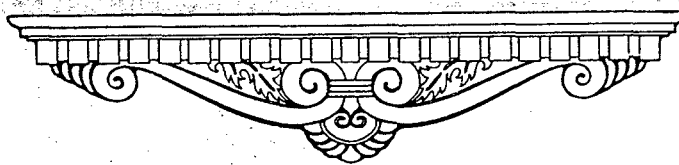
Feb 10 Sat 6 wks BBY CRN 19383

*indicates prerequisite

ENROL NOW!

CLASSES START WEEK OF JANUARY 8

PHONE 434-1610



Chemistry

CHEM 001
Pre-entry Chemistry 1 \$225
An upgrading or refresher course for those whose background in chemistry is weak. Meets Chemistry 11 entrance requirement for BCIT programs.
Jan 22 Mon/Wed 12 wks BBY CRN 78163

CHEM 317
Gas and Liquid Chromatography \$265
Introduces the uses of gas chromatography (GC) and high performance liquid chromatography (HPLC) in solving organic analysis problems relating to the energy, chemical, food and forest industries; clinical and environmental laboratories. Class is limited to ten students so enrol now!
Jan 09 Tues/Thurs 6 wks BBY CRN 10933

Communication

COMM 001
Effective Writing \$88
Develop the basic skills needed for business and technical writing at BCIT. Course concentrates on paragraph development, organization and effective sentences in memo and letter writing.
Feb 05 Mon/Wed 4 wks BBY CRN 23576

COMM 002
Independent Learning Skills \$88
Learn how to read efficiently, cope with assignments, use computer-managed learning packages, study independently, take exams successfully, manage your time.
Jan 23 Tues/Thurs 4 wks BBY CRN 75332

COMM 003
Comprehensive Reading, Writing and Learning Skills \$225
Emphasizes reading, writing and study skills needed for BCIT full-time programs. Covers topics in COMM 001 and 002, including speed reading and comprehension, library research skills and short report writing.
Jan 22 Mon/Wed 10 wks BBY CRN 23587
1800-2200
Jan 23 Tues/Thurs 10 wks BBY 75328
1800-2200
1630-2030 DEC 28527

COMM 004
Technical English for Second Language Students \$225
If your first language is not English, or you have studied English but need a refresher to meet BCIT's English requirements, this level of English is for you. Reading efficiency, vocabulary expansion, sentence and paragraph development emphasized.
Jan 22 Mon/Wed 10 wks BBY CRN 04165
1800-2200
Jan 23 Tues/Thurs 10 wks BBY 23593
1800-2200

COMM 160
Intro to Business and Technical Communication \$160
Practical techniques for planning, organizing, selecting and presenting information for a business or industry environment. Routine memos, instructions, procedures, summaries and oral presentations.
Jan 09 Tues 12 wks BBY CRN 75304
Jan 22 Mon/Wed 6 wks BBY 23609

COMM 171
Business Reports \$160
Emphasizes the persuasive skills needed to sell ideas, methods and products. Comparison and recommendation reports, proposals, feasibility studies, executive summaries, formal report format, presentations, use of graphics.
Jan 08 Mon/Wed 6 wks BBY CRN 75355
Feb 19 Mon/Wed 6 wks DEC 23614
1730-2030

COMM 175
Letters and Memos \$160
Requests, replies, sales and collection letters, routine memos, resumes and job applications.
Jan 16 Tues/Thurs 6 wks DEC CRN 23623
1730-2030
Jan 29 Mon/Wed 6 wks BBY 99720

COMM 183
Technical Reports \$160
Emphasizes written skills needed when solving engineering problems. Comparison and feasibility reports, technical proposals, journal reviews, executive summaries, graphics, formal report format.
Jan 09 Tues/Thurs 6 wks DEC CRN 23637
1730-2030
Feb 20 Tues/Thurs 6 wks BBY 75349

COMM 189
Writing Effective Letters \$82
Principles of letter style and organization as applied to sales, collection, inquiries, claim adjustments, applications and own job demands.
Jan 10 Wed 6 wks DEC CRN 99718
1730-2030

COMM 190
Writing for Results \$82
Overview of techniques used to make writing clearer, better organized and more effective in getting the job done in the workplace.
Jan 16 Tues 6 wks DEC CRN 78189
1730-2030
Mar 05 Mon/Wed 3 wks BBY 23658

COMM 192
Short Reports \$82
Selecting and organizing information, using effective formats and layout, analyzing audience needs, reporting factual information and making recommendations.
Jan 15 Mon/Wed 3 wks DEC CRN 23646
1730-2030

COMM 196
Writing Manuals for the Computer Industry \$117
For anyone who writes user manuals. Planning, researching, organizing, formatting and writing a manual; testing and packaging the finished product; translating technical material for the non-technical reader.
Jan 23 Tues 6 wks BBY CRN 78191
Feb 03 Sat 4 wks BBY 23671
0900-1330
Mar 06 Tues/Thurs 3 wks DEC 23660
1700-2000

COMM 900
English Fundamentals \$160
Sentence structure, word choice, common grammatical problems, techniques for listing, paragraph structure and simple presentation strategies for students whose first language is English.
Jan 09 Tues/Thurs 6 wks BBY CRN 78172

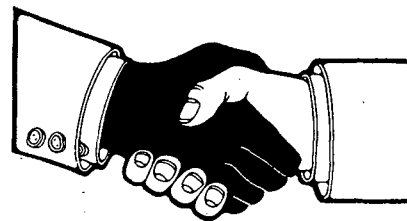
COMM 902
Teamwork in the Office \$54
Strategies for promoting cooperative, productive team relationships in a corporate setting. Teaches managers how to define roles, rules and rewards, and create an open communication system within and between departments.
Jan 22 Mon/Wed 1 wk DEC CRN 84427
1730-2130

COMM 903
Proposals: Writing, Selling and Following Through \$82
The language, organization, presentation and packaging of effective sales and technical proposals. Students are encouraged to write proposals based on own office work.
Mar 06 Tues/Thurs 3 wks DEC CRN 84416
1730-2030

COMM 910
Telephone Techniques \$50
Brush up your telephone manners! Learn techniques for making positive first impressions with customers, and to handle those angry callers who want to complain. Record calls efficiently. Discussion, sample calls (on video) and role playing are used.
Jan 23 Tues/Wed 1 wk DEC CRN 23692
1730-2030
Feb 10 Sat 1 day BBY 23685
0900-1600

COMM 911
Managing Team Writing \$82
For those who supervise and edit other people's writing. From techniques for plotting a critical path, to packaging the finished product.
Feb 26 Mon/Wed 3 wks BBY CRN 87486

COMM 958
The Professional Job Market for New Canadians \$195
For newcomers to Canada who are professionals in the fields of engineering, technology, business, etc. Learn how to manage cultural differences, practice effective telephone and interview techniques, and prepare application letters and resumes to get the job that's right for you.
Feb 06 Tues/Thurs 6 wks BBY CRN 23701



Technical Communication

TCOM 114
Technical Writing for Electronics \$281
Learn to organize technical information; illustrate documents; define and describe technical objects and processes; write routine letters, memos and instructions; summarize technical articles; write a resume and application letter.
Jan 08 Mon/Wed 9 wks BBY CRN 06159
Jan 13 Sat 9 wks BBY 23769
0900-1430

TCOM 214
Technical Writing for Electronics \$281
Learn to prepare a professional job search package; practice interview skills; write informal reports; learn techniques and formats for writing documentation.
Jan 09 Tues/Thurs 9 wks BBY CRN 06145

Mathematics

MATH 001
Technical Mathematics: Introduction \$225
Meets the Algebra 12 entrance requirement for BCIT programs.
Jan 03 Wed/Mon 15 wks BBY CRN 78200

MATH 101
Technical Math 1: Trigonometry \$160
Right angle trigonometry; radian measure; vector and triangle problems; trigonometric identities, equations, graphing and inverse functions; polar coordinates; compound and double angle formulas.
Jan 08 Mon 12 wks BBY CRN 78211

MATH 102
Technical Math 2: Logarithms and Analytic Geometry \$160
Plotting; interpretation and uses of logarithmic/semilogarithmic graphs; geometrical and practical properties of conic sections; polar/rectangular transformations.
Jan 09 Tues 12 wks BBY CRN 78225

MATH 115
Mathematics for Electronics: Part B \$281
The 2nd of two parts on logarithms, trigonometric functions, identities, complex numbers, linear equations, graphs, the derivative, differentiation rules, applied maxima/minima, etc. Emphasis on application to electronics technology.
Jan 08 Mon/Wed 11 wks BBY CRN 27901

MATH 125
BASIC 1: Intro to Micros (IBM PCs) \$201
For students with no experience in microcomputers or BASIC programming. Computer terminology; hardware; disk operating system; commands; BASIC language concepts.
Jan 10 Wed 12 wks BBY CRN 75513

MATH 204
Technical Mathematics 4: Calculus \$319
A continuation of MATH 203. Integration, partial differentiation, an overview of Maclaurin, Taylor and Fourier series, and the solution of differential equations with special consideration given to the use of Laplace transforms.
Jan 09 Tues/Thurs 12 wks BBY CRN 19316

MATH 962
Introductory SPC for the Plastics Industry \$150
A one day seminar in statistical process control, providing an intuitive and simple mathematical look at SPC terminology and techniques. Includes histograms, sampling techniques, capability indices, pareto analysis, cause and effect diagrams, construction and analysis of x-bar and R charts with relevant industry applications.
If interested, contact Sharon at 432-8723.

Physics

PHYS 009
Pre-entry Physics \$225
Meets Physics 11 entrance requirement for BCIT programs. Completion of Algebra 12 advised before taking this course.
Jan 23 Tues/Thurs 16 wks BBY CRN 78233

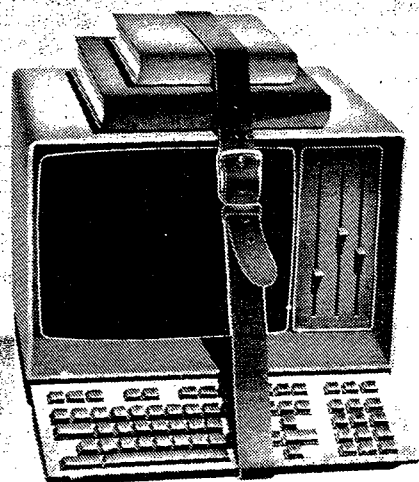
PHYS 106
Physics for Electronics Technology \$371
Translational and rotational motion (i.e., force, mechanical energy, power); basic electricity; atomic physics; band theory of solids and its application to semi-conductor devices.
Jan 30 Tues/Thurs 14 wks BBY CRN 23774

PHYS 131
Physics 1: Part 1 \$160
Includes kinematics, statics, linear and rotational dynamics.
Jan 08 Mon/Wed 6 wks BBY CRN 28081

PHYS 132
Physics 1: Part 2 \$160
Properties of matter, heat and thermodynamics.
Feb 19 Mon/Wed 6 wks BBY CRN 28094

PHYS 465
Electro-Optics \$188
Radiometry, geometrical and physical optics, solid state properties of matter, sources, lasers, detectors, solar cells, modulators and fiber optics.
Jan 09 Tues 14 wks BBY CRN 84973

Academic Studies



Distance Education

Some part-time math and physics courses are offered as correspondence (distance education) courses. This serves students who may need a course for upgrading, general information or as an equivalency, and who find it inconvenient or impossible to take a regularly scheduled course (perhaps the course is not offered when it is needed). Whatever the reason, distance education courses may be the answer, for they can be started any time throughout the year, and completed from any location off-campus. All course fees include text.

MATH 002

***Technical Math: Introduction** \$222
Equivalent to MATH 001. Meets Algebra 12 entrance requirement for BCIT. (Students who have difficulty with math or who have been away from school for more than 3 years should take the classroom course MATH 001.)

MATH 122

***Logarithms** \$125
Equivalent to "logarithms" portion of MATH 102. Theory and applications of common and natural logarithms including plotting of logarithmic and semi-logarithmic graphs and their interpretation. ASTT accredited if taken with MATH 124.

MATH 123

***Trigonometry** \$162
Equivalent to MATH 101. Theory and application of trigonometric functions; right angle trigonometry; vectors; trigonometric graphs, identities and equations; compound and double angle formulas; inverse functions. ASTT accredited.

MATH 124

***Analytic Geometry** \$125
Equivalent to "analytic geometry" portion of MATH 102. Geometric and practical properties of conic sections, including polar coordinates and transformations. ASTT accredited if taken with MATH 122.

MATH 221

***Calculus: Part 1** \$174
Equivalent to first part of MATH 203. Differential calculus with instantaneous rates of change; Delta-process; the derivative; implicit differentiation; curve sketching; differentiation rules for algebraic functions; applied maxima/minima. ASTT accredited if taken with MATH 222.

MATH 222

***Calculus: Part 2** \$174
Equivalent to second part of MATH 203. Integral calculus including the indefinite and definite (with application to areas, volumes and centroids), trapezoidal rule and anti-differentiation. ASTT accredited if taken with MATH 221.

MATH 227

***Calculus: Part 3** \$174
Differentiation and integration of trigonometric, logarithmic and exponential functions; expansion of functions (Maclaurin, Taylor and Fourier series); solution of differential equations.

PHYS 136

***Physics 1** \$292
Equivalent to PHYS 131/132 theory only. Principles of physics as they apply to: measurement and data analysis, mechanics, elasticity and strength of materials, fluid mechanics and thermal energy.

PHYS 236

***Physics 2** \$292
Equivalent to PHYS 231/232 theory only. Wave motion; sound and light sources; propagation and reflection of light; refraction and dispersion; interference and diffraction; illumination and color; electrostatics; direct and alternating current; magnetism; atomic and nuclear physics.

Health Sciences



Associate Dean of Nursing Margaret Neylan (left) and Director of Part-time Health Sciences Programs Kathleen Bach respond to industry requests for training.

Pediatric Critical Care Nursing program answers urgent need

B.C. Children's Hospital will receive an infusion of trained pediatric critical care nurses this December, thanks to a responsive new BCIT program.

The Pediatric Critical Care Nursing program answers a long-standing shortage of nursing specialists in this field. Because of the urgency of the situation, BCIT developed and implemented the training program in co-operation with B.C. Children's Hospital within a year after the Institute was first approached for assistance last July.

Associate Dean for Nursing, Margaret Neylan, says BCIT Health Sciences has responded to numerous industry requests for training programs in the past, but none have been implemented as fast as the Pediatric Critical Care program.

As well, a compressed time frame option was developed to allow nurses to complete courses at a faster pace.

"We bent over backwards to get this program off the ground because of the sense of urgency at B.C. Children's Hospital," Neylan says.

"Serious illness in children creates a great deal of stress in parents and families. People are more vocal about demanding treatment for their children than they likely would be for themselves."

When the Pediatric Critical Care program is fully implemented, it will be part of a BCIT Advanced Diploma in Health Sciences. BCIT is the designated provincial training centre for post-diploma education in specialized nursing. The program, like the BCIT post-diploma nursing courses, will be delivered in a flexible format to allow nurses to continue working. The theory courses will normally be delivered in a distance education format, with telephone tutoring, so that nurses can study part-time while living and working in their communities.

The clinical portion of the course will require full-time practice in a location where clinical resources are available. Clinical work is structured in three to four week segments to allow nurses to book off work on professional development or vacation time.

Director of Health Part-time Studies Kathleen Bach says the Pediatric Critical Care program will also be available for nurses who already have expertise in the field.

"This will allow experienced nurses, who have come up through the system without the benefit of any formalized, accredited education, the opportunity to acquire credentials in the area," Bach explains.

"These nurses will be eligible to challenge the theory courses. Our challenge courses deliver outlines, objectives, references and some sample exams to ensure the nurses know what is expected of them."

Neylan says the Pediatric Critical Care program has been developed through extensive consultation with other hospital programs, including Toronto's Hospital for Sick Children.

"BCIT has developed a real expertise in responding to industry requests for training, particularly in Health Sciences," Neylan says.

Health Part-time Studies

January to March Term

Courses are available in:

Nursing

Credit courses for Diploma Nursing
Qualifying/Refresher courses
Advanced Nursing Specialties

Corrections Nursing
Critical Care Nursing
Emergency Nursing
Neonatal Nursing
Obstetrical Nursing
Occupational Health Nursing
Operating Room Nursing
NEW courses - Operating Room
Refresher
Pediatric Critical Care
NEW program - Rehabilitation Nursing

Occupational Health and Safety
Certificate courses

Health Care Management

Certificate courses, Levels 1 and 2
Long Term Care

Basic Health Sciences

Anatomy and Physiology

Medical Imaging

NEW courses include "Understanding Radiation Risks" and "Magnetic Resonance Imaging"

Environmental Health

Advanced courses in "Hydrogeology",
"Epidemiology, Biostatistics"

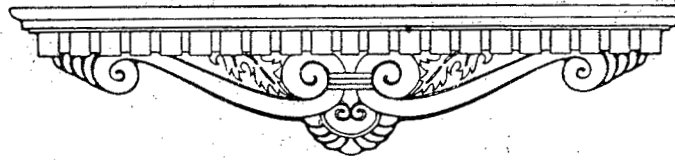
Courses are available via:

- Classroom instruction on campus and at selected sites throughout the province;
- Laboratory and clinical practice;
- Challenge courses (independent study for experienced practitioners);
- Guided learning (distance education with telephone tutor support);
- Compressed time frame offerings in cooperation with hospitals throughout the province.

For further information, please call BCIT
Health Part-time Studies

432-8376 Toll Free 1-800-663-6542

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How to Register

REGISTER BY FAX

Applicants who have access to FAX, and will pay by Visa or MasterCard, may register by completing the PART-TIME STUDIES REGISTRATION FORM below (all sections) and forwarding it via FAX to 430-1331.

REGISTER IN PERSON

At the Burnaby Campus,
3700 Willingdon Avenue.

REGULAR HOURS OF OPERATION:

Monday to Thursday 0830 to 1900;
Friday 0830 to 1630;
Saturday 0830 to 1230.

EXCEPTIONS TO REGULAR HOURS OF OPERATION:

December 1 to December 30, 1989;
Monday to Friday 0830 to 1630;
Closed Saturday.

January 3 to January 27, 1990

(After January 27 regular hours begin again):

Monday to Thursday 0830 to 2000;
Friday 0830 to 1630;
Saturday 0830 to 1230.

Closed Saturday on holiday weekends.

At the Downtown Campus,
549 Howe Street, Vancouver.

Monday to Thursday 0830 to 1830;
Friday 0830 to 1630;
Closed Saturday.

REGISTRATION IN PERSON AT THE SURREY SITE for courses held in Surrey, Princess Margaret School, 128 Street & 72 Avenue, Surrey. 0900 - 2030 Monday to Thursday 0900 - 1530 Friday.

Hours of registration are subject to change.

REGISTER BY PHONE

For students who have enrolled in courses since July 1984, you can register by phone using MasterCard or Visa.

Phone the Burnaby Campus at: 434-1610.

Phone the Downtown Campus at: 687-4666.

CERTIFICATE PROGRAMS

BCIT offers certificates through many of its Part-time Studies programs. Please refer to the Part-time Studies Calendar for more information.

PROGRAM ADVISING

Engineering students may wish to meet with the Part-time Studies program advisor prior to course registration. Business students, however, usually complete one or two courses prior to meeting with the Part-time Studies program advisor to discuss a certificate program.

For certificate program approval, you may wish to make an appointment with the appropriate program advisor. Please call for an appointment, 434-3304.

COURSE CANCELLATIONS

A full refund of tuition fees or a letter of credit will be issued for courses cancelled by the Institute. The Institute reserves the right to cancel courses if enrolments are insufficient. We truly regret any inconvenience this may cause.

COURSE TRANSFER/CHANGE — \$15 FEE

Please note that a \$15 fee is now charged when you request a course transfer/change. This applies when you request to have your

registration changed from one course to another and/or to change your time/date. Please ensure that you are registered in the correct course at the time of registration.

*Course transfer/change must be made by the refund deadline dates listed below.

REFUNDS

Full refund, less \$25, if within the following guidelines:

Course Duration	*Deadline Dates
Over 4 weeks	1 day prior to the 2nd night of class.
4 weeks and under	1 week prior to the class start date.
Distance Education	Before material has been sent.

Refund requests must be in writing to the Institute by the refund deadline date. Fees for some special courses are non-refundable and others have different refund requirements and deadlines. Please check refund requirements and deadline dates at the time of registration.

Please note that there will be a charge of \$25 per course deducted for refund processing when you withdraw from a course. A Letter of Credit may be issued after the deadline, based on medical reasons only.

HOW TO WITHDRAW

Students who wish to withdraw from a course after the refund deadline, must do so officially, in writing. Withdrawal will be allowed until two-thirds of the way through the course and will result in a "W" on the transcript. If withdrawing after the deadline, the transcript will show "F" for the dropped course. Neglecting to withdraw officially (course abandonment) will result in an "OF" on the transcript. The standard refund policy applies to all withdrawals.

PARKING (Subject to change)

The parking fee for the Winter term, 1990 is \$10. All vehicles parking on the Burnaby campus, day or night, must display a valid Institute parking permit. Paid parking is in effect 24 hours a day, year round. Part-time students may purchase parking permits on the first night of classes from the Cashier area or the Registration desk in building 1A, from 1630 to 2000, Monday to Thursday, or Saturday mornings from 0830 to 1230. Permits may also be obtained from building 2T from 0700 to 1600, Monday to Friday. Vehicles not displaying a valid parking permit are subject to impoundment. Vehicles should be kept locked at all times. BCIT does not accept liability for theft from or damage to, vehicles parked on campus.

CLASS TIMES

Classes at all sites run for 3 hours per night, 1 or 2 nights a week. Monday through Thursday, UNLESS OTHERWISE NOTED IN COURSE DESCRIPTION OR AT REGISTRATION.

BURNABY (BBY) TRADES	1900-2200
BURNABY (BBY) TECHNOLOGY	1845-2145
COQUITLAM (COQ)	1845-2145
DOWNTOWN EDUCATION CENTRE (DEC)	1730-2030
HASTINGS ST. (HAS)	1845-2145
RICHMOND (RIC)	1845-2145
SEA ISLAND (SEA)	1900-2200
SURREY (SRY)	1900-2200

Program Advisors will assist you with program planning and course selection. Please call for an appointment, (604) 434-3304.

PART-TIME STUDIES REGISTRATION

PERSONAL DATA

Social Insurance Number				Student Name (Last Name, First Name)			
Month	Date of Birth Day	Year	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	Marital Status <input type="checkbox"/> Single <input type="checkbox"/> Married	Country of Citizenship <input type="checkbox"/> Canada <input type="checkbox"/> Other:	Status (If Not Canadian) <input type="checkbox"/> Landed Immigrant <input type="checkbox"/> Student Authorization	
Mailing Address (Number and Street)							
City/Town				Prov.	Country	Postal Code	
Home Phone Number		Company Name			Company Phone Number		

EDUCATIONAL RECORD

	NAME AND LOCATION	YEARS COMPLETED	PROGRAM/ DEGREE	CUMULATIVE CREDITS/GPA	PERIOD OF ATTENDANCE	FULL-TIME/ PART-TIME
LAST HIGH SCHOOL						
COLLEGES AND/OR INSTITUTES						
UNIVERSITIES						

PROVINCIAL EXAM NUMBER:

COURSE REGISTRATION

Course Number	Course Ref. Number (CRN)	Course Title	Course Cost(s)		Start Date			Site
			Fee	Special Fee	Month	Day	Year	
TOTAL FEES			+	=				
Payment of Fees: <input type="checkbox"/> Full Fees Paid by You <input type="checkbox"/> Full Fees Paid by Employer (Approval Attached) <input type="checkbox"/> Special Arrangement (Approval Attached)								
FOR "MAIL IN" APPLICATIONS								
Paid By: <input type="checkbox"/> Cheque/Money Order (Enclosed) <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard			Card No.:			TOTAL AMOUNT PAID		
Signature: _____			Issue Date: _____			Expiry Date: _____		

CONSENT AND ACKNOWLEDGEMENT

I hereby consent to be bound by and observe all applicable rules, regulations, policies and procedures of BCIT and any amendments made thereto from time to time. I am aware that a copy of all such rules, regulations and procedures is available for review at the office of the Registrar for BCIT and I acknowledge that it is my responsibility to review the same.

Applicant Signature

Date

Please complete and return to BCIT Registration, 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2

