



British Columbia
Institute of Technology

1991 PART-TIME STUDIES **SPRING & SUMMER**



BUSINESS
ENGINEERING TECHNOLOGY
TRADES TRAINING

REGISTER NOW: 434-1610
SPRING/SUMMER TERM
STARTS APRIL 8th

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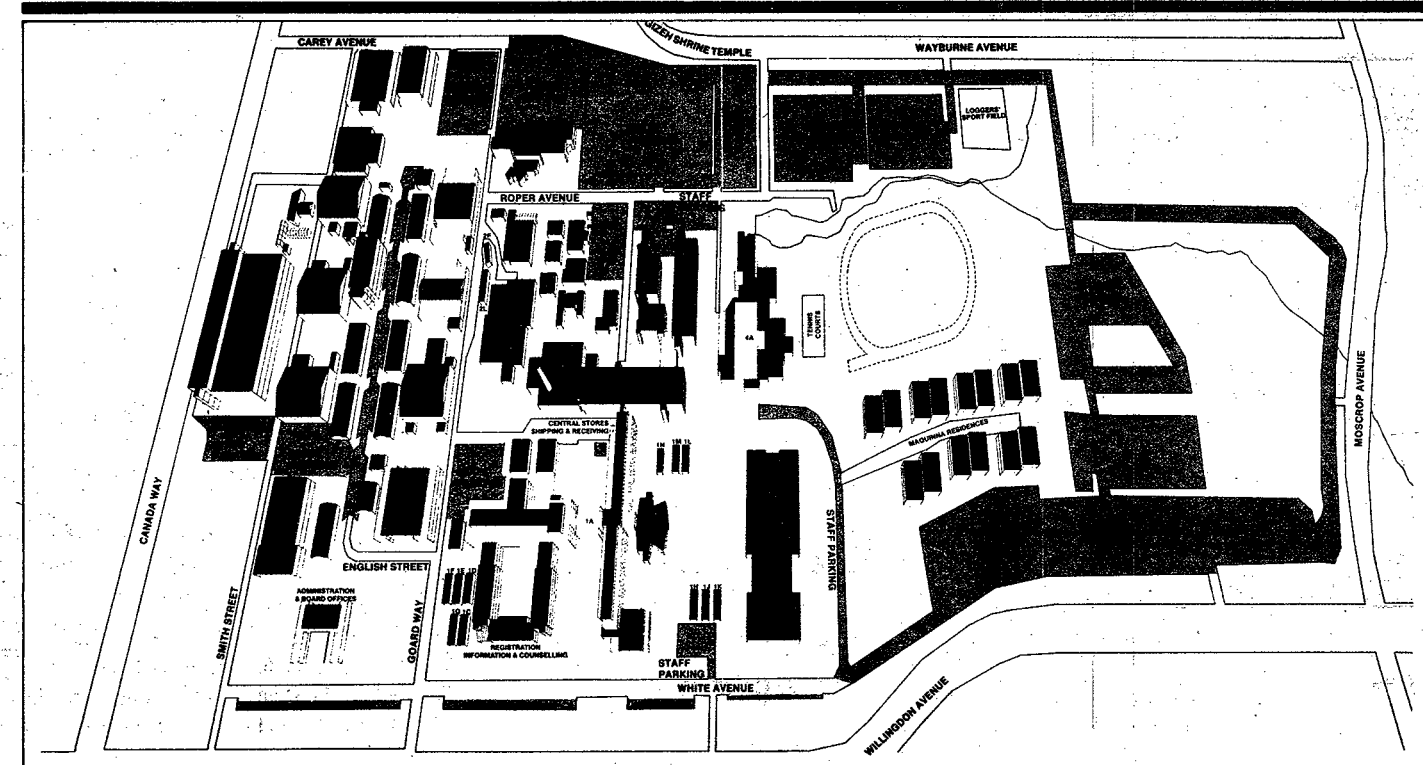
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BOOKSTORES

Burnaby Campus	
Get your books and school supplies at the BCIT Bookstore located on the S.E. corner of the library in building 2D. For the spring/summer term the bookstore will be open:	
April 6, Saturday	0830-1230
April 8-18, Monday-Thursday	0800-2000
April 19, Friday	0800-1600
April 13 & 20, Saturday	0830-1230
Downtown Education Centre	
For the spring/summer term the bookstore will be open:	
April 6, Saturday	0830-1030
April 8-11, Monday-Thursday	1230-1930
April 12, Friday	1230-1630
April 15-18, Monday-Thursday	1600-1930
April 19, Friday	1230-1630
Surrey	
April 15 & 16, Monday & Tuesday	1800-2000

CAMPUS MAP



FOOD SERVICES

Operated by Forster's Food Services Ltd.
The new hours of operation effective October 22, 1990 are as follows:

Town Square Cafe	
Monday to Friday	0700-1500
Campus Cafe	
Monday to Thursday	0700-2100
Friday	0700-1500
Saturday	0800-1400
J.W. Inglis	
Monday to Thursday	0630-2100
Friday	0630-1500
Saturday	0730-1430
E.T.C.	
Monday to Thursday	0630-2100
Friday	0630-1500
Roadrunner	
Monday to Thursday	0730-2100
Friday	0730-1400

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.

CLASS LOCATIONS

BBY	
Main Campus	3700 Willingdon Avenue, Burnaby
DEC	
Downtown Education Centre	549 Howe Street, Vancouver
HOL	
Kingston College	2286 Holdom Avenue, Burnaby
OC	
Off Campus. TBA.	
RIC/ANO	
Office Automation	#110-11100 Bridgeport Road, Richmond
SEA	
Sea Island	5301 Airport Road South, Vancouver Airport
SRY	
Princess Margaret School	128th Street and 72nd Avenue, Surrey

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
HOLDOM AVENUE (HOL)	1845-2145
RICHMOND (RIC)	1845-2145
SEA ISLAND (SEA)	1900-2200
SURREY (SRY)	1900-2200

LIBRARY

Part-time students can obtain a library card from Library Circulation. Assistance in using the library can be obtained at the reference desk.

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Editor: Mary Bacon, Public Affairs & Marketing



ABOUT BCIT

MONKEY BUSINESS

In grade six, 60% of kids are interested in science. By grade nine only 30% are keen.

Which spells trouble for a society increasingly dependent on science and technology.

It is important to pump up kids' interest. To persuade them that science is fun. To get them thinking about possible career choices. To encourage entrepreneurship.

Monkey business, an exciting program sponsored by the Canadian Centre for Creative Technology, does just that.

About 80 kids, aged 13 and 14, took part this July in three week-long sessions on the Burnaby campus of BCIT.

They had a ball.

They visited a TV studio and a robotics lab. They tackled physics problems by calculating G forces involved in thrill rides at the PNE. They wrestled with ethical questions: Are robots good?

They visited the Vancouver Stock Exchange and brokerage houses to learn how to raise risk capital for your own company.

And they listened to visiting practitioners from the world of marketing, advertising and electronics.

A TV series writer talked to them about science fiction special effects.

There was also an astronomy night.

The program was directed by Jim Wiese, a curriculum consultant with the Surrey School Board.

This is *Monkey business*' first year. Sessions were also held on campuses in Calgary and Cape Breton.

The program wasn't aimed exclusively at top academic achievers. "We had a lot of B and C students," says Wiese. They came from all over the province. About 40% of the participants were girls and Wiese hopes this number will be higher next year. "Women are our largest untapped resource," he says.

The 1991 *Monkey Business* Program will run for three one-week sessions at BCIT beginning July 7, 14 and 21. The registration fee per session is \$525; some bursary funds are available to qualifying students.

For information call Pat Fingarson at the BCIT Technology Centre, telephone 432-8373.



THANK YOU CKNW Orphans' Fund

The British Columbia Institute of Technology thanks CKNW for their generous donation of \$100,000. This money will be matched by the provincial government to establish an endowment fund for BCIT students in financial need who are sole support parents or married with dependents.

BCIT GRAD OFF TO AFRICA ON ROTARY SCHOLARSHIP

Burnaby - Daniel Catt has been awarded the Rotary Foundation Graduate Scholarship to study for 10 months (August 1991 to June 1992) at the College of African Wildlife Management in Moshi, Tanzania, located on the south slope of Kilimanjaro. Catt will be taking the post-graduate diploma program in wildlife management.

Catt graduated from the BCIT Fish, Wildlife & Recreation Land Management program in 1983. He applied his BCIT credits to a Biological Sciences Bachelor through the Simon Fraser University transfer program and subsequently received his degree in June 1987. He is presently working on his Masters degree in wildlife ecology at SFU and expects to complete it by the summer.

Between his studies, Catt has travelled extensively in the South Pacific, Europe, and Asia, including one month in India on a Rotary Group Study Exchange. He has also worked seasonally for the Canadian National Park Services since 1982. In the fall of 1990, he returned to BCIT for one term — but this time as Instructor of Wildlife Management.

During his time in Africa, Catt hopes to pursue a related interest, taking wildlife and nature photographs. At the end of his stay he will be returning to Vancouver and hopes to teach at a post-secondary level.

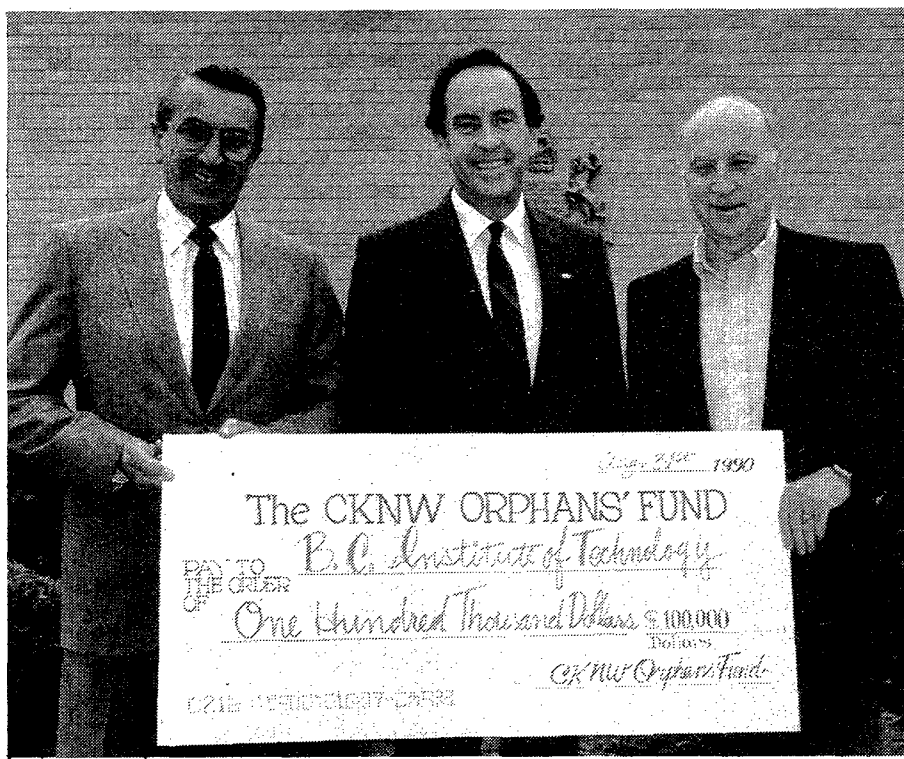
The Rotary Foundation Scholarships were established to promote positive relations with, and increase awareness of, people from different countries. The scholarships are available to individuals who wish to complete one academic year of study or training in another country that has Rotary Clubs. During the year, the Rotary Scholar will act as a good will ambassador in the host country.

Rotary International operates the world's largest, privately-funded scholarships program in six categories: graduate, undergraduate, vocational, journalism, teacher of the handicapped, and Japan studies. Information and application forms are available from Rotary Clubs throughout B.C.

REGISTER NOW!

434-1610

Classes start week of April 8



Above: President of the CKNW Orphans' Fund, Judge Thomas K. Fisher (left) and Fund Administrator, Hal Davis (right) present BCIT president John Watson with cheque for \$100,000.

FINANCIAL AID FOR PART-TIME STUDENTS

Limited financial assistance is available to students registering for part-time programs or programs of short duration. This financial aid is based on financial need.

1. Canada Part-time Student Loan Program

Part-time loans are interest-bearing from the date of negotiation. The first payment is due 30 days after the loan is negotiated. Part-time loans can be used for tuition and book costs, plus other expenses related to taking courses (such as transportation and child care). Students taking a course load that represents 20% to 59% of a full program of studies can apply for a part-time loan. At BCIT, most full-time programs include 30 credits per term. This means that a BCIT student taking courses over a 12-week period must normally register in at least 6 credits to be eligible for a part-time loan. Part-time loan applications can be obtained from the Financial Aid Reception in Student Services. Application deadline: End of the second week of classes.

2. British Columbia Part-time Student Assistance Program

Part-time Student Assistance is non-repayable grant funding to assist students with direct educational costs. Due to limited funding at BCIT, assistance is normally restricted to tuition only. The emphasis is on aiding single parents and mature adults who can prove strong financial need. To be eligible to apply, a student must be taking courses at least 12 weeks in length that represent up to 59% of a full program of studies. BCIT Part-time Assistance applications can be obtained from the Financial Aid Reception in Student Services. Application deadline: Prior to the first day of classes.

3. BCIT Part-time Bursaries

Part-time Bursaries are non-repayable grants intended for BCIT students who have strong financial need. While Part-time Bursaries are usually limited to tuition only, in special circumstances a student can apply for funds to cover tuition and other direct educational expenses such as books, transportation and childcare. Students attending BCIT on a part-time basis can apply (as well as students attending full-time programs less than 12 weeks in duration). Due to limited funding, applicants must make a good case that they have exhausted all other possible sources of funds to assist them attend school. BCIT Part-time Bursary applications can be obtained from the Financial Aid Reception in Student Services. Applications are reviewed once a month. Students should apply by one of the following deadlines:

January 22	April 23	July 23	October 22
February 19	May 22	August 20	November 19

4. Adult Basic Student Assistance Program

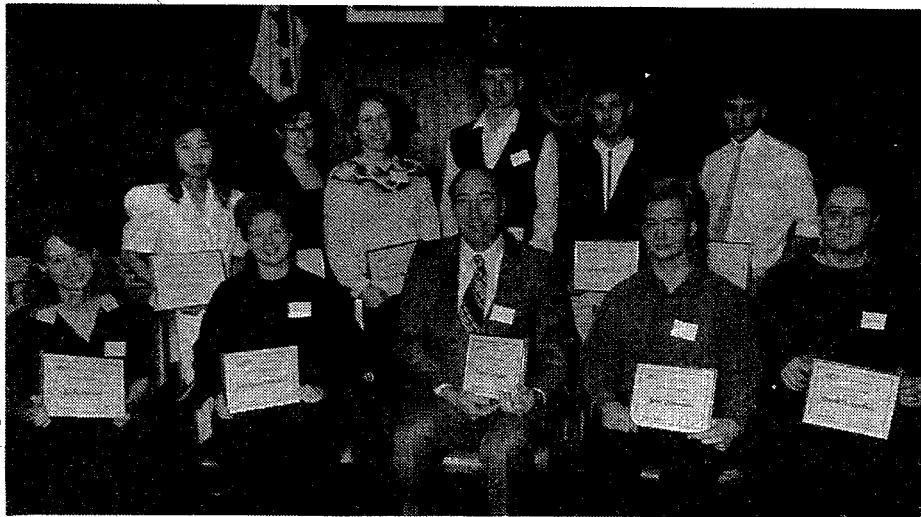
Adult Basic Student Assistance is for financial-needy students attending pre-entry and upgrading courses. ABESAP is non-repayable grant assistance. Applicants must be registering in one or more of the following courses:

Chemistry 001
Communication 001, 002, 003, 004, 990, 988
Mathematics 001, 002
Mathematics for Business OPMT 099
Physics 009
Career Search Workshop ADMN 916
Trades Exploratory Program for Women TEXP 900

Students wishing to apply for ABESAP should contact the Financial Aid Reception in Student Services and make an appointment to see a Financial Aid Advisor. Application deadline: Prior to the first day of classes.

FURTHER INFORMATION on financial assistance for BCIT part-time students can be obtained from the Financial Aid Reception in Student Services. (1A Building, 2nd floor northwest corner.) Office Hours: 8:30 am to 4:30 pm Monday to Friday. Telephone 432-8555.





Alumni Entrance Award winners.

Back Row, left to right: Susana Lau, Valorie Hoyer, Christine Bender, Dennis Sherry, David Tiszolczi, Robert Tiszolczi.

Front Row, left to right: Linda Herbert, Joan DeVerteul, David Cutcher, John Samuelson, David Bernardin.

ENTRANCE AWARDS HANDED OUT

Eleven students were given Alumni Entrance Awards at the annual Celebration Breakfast this year, held in late October.

Each award covers first-year tuition fees for each winner, and comes from the interest earned on money donated by BCIT graduates to a student aid fund.

The complete list of winners is as follows:

Dennis Sherry, originally from Prince Albert, Saskatchewan and a long time Burnaby resident, is currently enrolled in Joinery with the intention of taking further training at BCIT after he completes that course.

Valorie Erin Hoyer, originally from Lethbridge but more recently from Victoria, B.C., is enrolled in Broadcast Journalism and hopes to work in television news.

David Bernardin is taking Power Engineering and is looking to take Power and Process next. He is from White Rock.

John Samuelson was logging up in Nakusp before enrolling in Steamfitting at BCIT. He intends to eventually obtain a journeyman's ticket and go into gas-fitting.

Joan De Verteul is interested in a career in horticulture and is taking the Horticulture Trades program. She lives in Coquitlam.

Susana Lau is taking General Nursing at BCIT with the goal of becoming a Registered Nurse. She is from Port Coquitlam.

Christine Bender, now residing in Vancouver, comes all the way from Cincinnati, Ohio. She is enrolled in Environmental Health and wants to work in public health inspection at the community level.

David Tiszolczi is aiming for a CGA and is taking Financial Management at BCIT. His home was in Squamish.

Robert Tiszolczi is looking to obtain an Advanced Diploma in Business after completing Financial Management. He also made his home in Squamish.

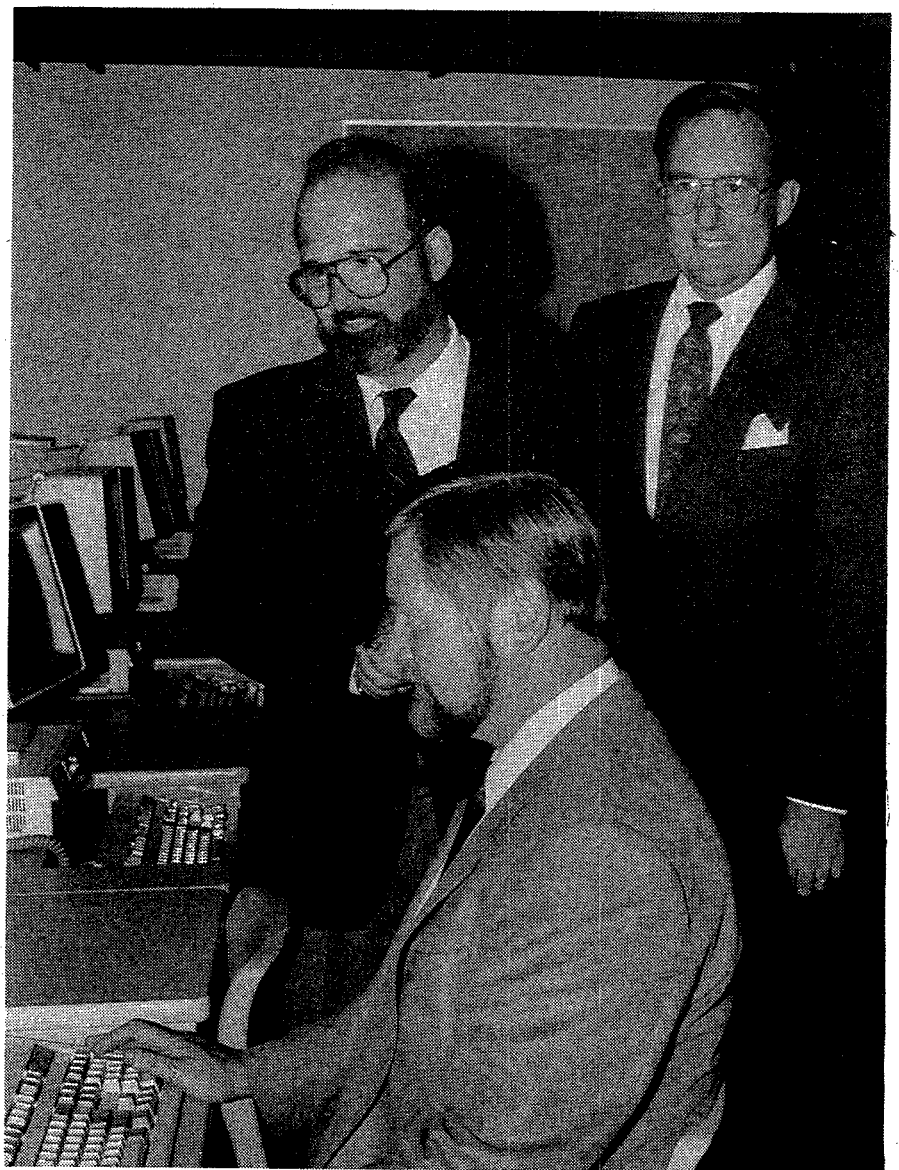
David Cutcher, from Port Hardy, is taking Technology Education Teacher Education at BCIT. He wants to go back to teaching, with a focus on technology and literacy.

Linda Herbert is originally from Williams Lake and wants to apply her Biotechnology training to concerns with natural resources and the environment.

THANK YOU Rotary Club of Burnaby Metrotown

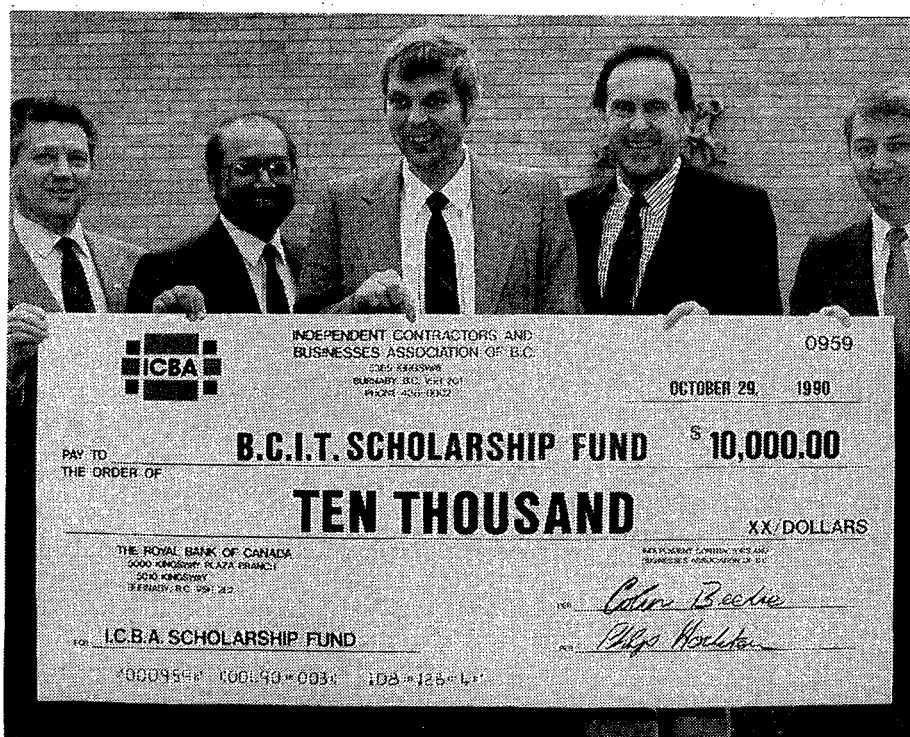
BCIT thanks the Rotary Club of Burnaby Metrotown who generously endowed \$2,500 to BCIT for scholarship and bursary funding for trades training students. BCIT Development Director, Marilyn Wright, expressed her delight in the continuing support of the Rotary Club and said this amount will be matched by the Provincial Advanced Education Endowment Fund for a total of \$5,000. When asked about the donation, Club Secretary, Rudy Spence, said the Rotary Club is impressed by the quality of skilled tradespersons from BCIT and wishes to provide encouragement to the trades training students.

From left, George Eisler, Lars Larsson and Medgate vice president Jim McLean.
Reprinted from Burnaby NOW.



THANK YOU Independent Contractors and Business Association of B.C.

for your \$10,000 donation to our Scholarship Fund.



Ray Walton, Dean of Trades; Dave Chowdhury, Dean of Engineering Technology; Philip Hochstein, Executive Vice president I.C.B.A.; John Watson, BCIT; Kurt Barber, Member I.C.B.A.;

THANK YOU Medgate (Western) Inc.

Medgate (Western) Inc., a medical software company, has generously donated a Healthtrac Software System to BCIT's School of Health for use by the Occupational Health and Safety program.

The Provincial Advanced Education Endowment Fund will match a portion of the system's \$114,000 value.

Program head Lars Larsson, said the system will be of great benefit to the students, enabling them to gain further practical experience they can take with them into industry.

The Healthtrac System includes components for: health surveillance; environmental assessment and monitoring; illness/injury tracking; claims management; and, hazardous materials management. One of the aspects of the system is that the user will be able to track injuries by frequency, type, cause, site, time, etc. This can help prevent future incidents. An example of this would be a situation where employees are experiencing a high number of injuries while operating a particular piece of machinery. By tracking all the variables involved in each incident, the company would be able to locate any constant which could then be altered to prevent similar injuries. Without this tracking method, injuries are dealt with individually, thus hampering the discovery of any patterns in incidents.

BCIT is one of Canada's leading educational institutes for advanced technology training in business, engineering technology, health sciences and the trades.



NEW ADVANCED STUDIES IN BUSINESS WILL LEAD TO DEGREE

While high technology offers revolutionary efficiencies for today's businesses, BCIT Dean of the School of Business Michael Harrison steadfastly stands by the view that "high technology does not a business make." Having high-tech products is not enough to drive a business to success, he says. Good management is needed to do that.

This is one of the reasons why the School of Business introduced Advanced Studies in Business in the fall of 1990. Courses are planned for both full and part-time studies.

Until now, BCIT has offered a Diploma in Business and a double Diploma (for people who originally specialized in other technologies and then want to move into business administration). However, with the Institute's new mandate emphasizing "a focus on those initiatives that increase the level of entrepreneurial activity within the province", the School of Business has devised a modular approach to its programs that will not only offer a higher level of training, but leave the student with more options after graduation.

The new approach involves a "road map" of avenues which a student can follow to reach his or her particular career goals.

"The road map means there are a number of exit ramps which a student can take to go on to various destinations, like an Advanced Diploma and a Bachelor of Administration at a B.C. university," says Harrison. "And once a person has a bachelor's degree, the world of graduate studies opens up."

Harrison observes that it is increasingly expected that business professionals gain a university degree. To address this need, BCIT has recently reached agreement with the B.C. Open Learning Agency (OLA) to include a degree on the School of Business "road map". The Advanced Diploma will qualify the graduate to continue working toward a B.A. in Administrative Studies through B.C. Open University.

Harrison expects this "degree-oriented" course of study will produce a well-rounded professional who has flourished under what he calls "a continuously intermittent education" — periods of study alternated with periods of work.

A Diploma of Technology, he explains, yields a "job-ready" graduate qualified to enter the workplace. After gaining valuable experience, he or she can then choose to return to BCIT full or part-time for the second module, leading to the Advanced Diploma. After another period of work, the student can complete the OLA courses leading to a Bachelor's degree in Administration.

According to Harrison, the Advanced Studies program is ideal for the majority of business students, most of whom come to BCIT after years of experience in the workforce. (Only one in eight students comes to the Business School directly from High school.) For these people the nine-month Advanced Studies program will be both an opportunity and a challenge through part-time or full-time studies.

A task force of BCIT's Business Education Council is overseeing the program and faculty are being released to do program and curriculum planning. Specializations may include: Accounting, Management of Advanced Technology, International Business and Human Resources Management.

One initiative, which is in keeping with a multi-disciplinary approach, is the proposed Computer/Communications/Presentation Lab. A team of representatives from every department in the Business and other BCIT Schools, is currently working to design a lab that will be equipped with the latest technology.

The new lab will simulate the "nerve centre" of a large corporation, where different corporate

BUSINESS

activities can be presented using the latest in high-tech presentation technology. Computers, visual and sound media will work together to offer a multi-disciplinary overview of a corporation's initiatives.

"We hope students will learn to prepare and present information in its most effective form and to integrate all aspects of a firm's functions — marketing, human resources, financial and strategic planning," explains Harrison.

APPLY NOW

Applications are being accepted for full and part-time registration in the Advanced Studies in Business program. For further information, contact Admissions, Counselling or the Dean's Office (432-8581). Enrolment is limited so we suggest you act now to have your application assessed in time.



BCIT graduate Gordon Herke (Financial Management, 1981, left) graduated as a CMA at the Society of Management Accountants of B.C. 1990 Convocation ceremony in October, and was awarded top honour as winner of the Society's Gold Medal. The Gold Medal is awarded to the CMA student with the highest aggregate standing in the three Final Accreditation Examinations. Herke obtained a combined grade average of 87.6% to take home the Gold. He also received the \$400 Robert Half Award which is presented annually to the B.C. Society's Gold Medal winner. Shown congratulating Herke is Associate Dean of Financial Management Gordon Farrell, MBA, FCMA.

SECONDARY SCHOOLS SEND BCIT "THEIR VERY BEST"

The Dean presented Entrance Scholarships into the School of Business at several secondary school graduating ceremonies. Congratulations to the winners of these full, first-year tuition awards, who are:

Financial Management:

Farhina Andani (Richmond), McNair Senior Secondary

Monica DeGroot (Aldergrove), Abbotsford Christian School

Allen LaRose (Pitt Meadows), Maple Ridge Secondary

Rick McDonald, Queen Charlotte Secondary

Julie Tran (Vancouver), Windermere Secondary

International Trade:

Dominika Stuzalkowski (Port Moody), Charles Tupper Secondary

Marketing Management:

Felicia Hui (Vancouver), Windermere Secondary

Kami Lee Robb, Kamloops Senior Secondary

Nola Sedgewick (Port Alberni), Alberni District Secondary

Tourism Management:

Kimberley Anderson (Port Coquitlam), Terry Fox Secondary

VENTURE PROGRAM

STARTING A PROMISING VENTURE? WANT TO IMPROVE YOUR ODDS?

BCIT has the program for you. 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 contacts. Ultimately you will leave with a fully operational document — your business plan. Your final exam will be given by the marketplace.

THE NEXT PROGRAM BEGINS FALL '91 - STARTS MONDAY, SEPTEMBER 16

ENROLMENT ENQUIRIES ARE WELCOME NOW — AS PLACES ARE LIMITED.

FOR FURTHER INFORMATION:

Write to Lorne Fingarson
THE VENTURE PROGRAM
3700 Willingdon Avenue
Burnaby, B.C. V5G 3H2
Enquiries: 432-8774 or 432-8767

SPECIAL NOTE:

Find out more by visiting our Venture Program Centre at BCIT. Call the Centre at 432-8774 or 8767 for an appointment.

BCIT BUSINESS GRADS

You are cordially invited to attend an information session on Advanced Studies in Business:

Location: Burnaby Building 1A, Room 125

Date: March 27, 1991

Time: 1730-1900

Location: The Downtown Education Centre, Room 903/904

Date: April 4, 1991

Time: 1645-1845

Please call 432-8581 to confirm your attendance at either session.

Come out to hear all the news of this exciting new program for BCIT Business Diploma graduates!

ADVANCED STUDIES IN BUSINESS

The aim of this program is to provide BCIT's Business Diploma graduates with further education to meet the needs of B.C. business, government, industry and professions:

- 1) for more highly trained specialists, through a program leading to an Advanced Diploma in business;
- 2) for more highly trained management generalists, through a program leading to a Bachelor's degree in Business.

There are thus two distinct and interrelated parts to the Advanced Studies in Business program: the degree completion track (for the business generalist), the advanced diploma track (for the management specialist).

ADVANCED DIPLOMA TRACK

While the degree completion track is designed for the business generalist who wishes to obtain a Bachelor's degree in Administrative Studies, BCIT recognizes that many of its Diploma Graduates already have a degree or, for other reasons, wish to increase their knowledge in their specialized field.

The Advanced Diploma in Business will consist of twelve advanced business courses selected from the *generalist* and *specialist* courses in four options: Management of Advanced Technology, International Business, Human Resource Management and Advanced Accounting.

DEGREE COMPLETION TRACK

B.C. Open University grants BCIT Business Diploma graduates in Marketing, Financial Management and Administrative Management, block transfer of up to 84 credits towards a Bachelor of Arts in Administrative Studies. These BCIT graduates need to complete 36 additional credits at BCIT and other institutions to meet the B.C. Open Learning University requirement of 120 credits for a degree. For additional information on credit transfer for these and other diploma programs please contact the office of the Dean of Business.

BCIT Business Diploma Graduates	up to 84 credits
B.C. Open University & BCIT Courses	at least 36 credits
Bachelor of Administrative Studies	120 credits

The 36 credits required may be earned through five arts and sciences elective courses approved by the B.C. Open University and taken at BCIT or through accredited universities and colleges, and the seven advanced business courses taken at BCIT.

In the Spring 1991 term, BCIT offers the following evening courses:

ADMN 720

Management of Change \$210
Apr 10 Wed 13 wks BBY 1800-2100

OPMT 751

Mathematical Models for Business \$210
Apr 09 Tues 13 wks BBY 1800-2100

B.C. Open University courses may be taken through correspondence this term.

BUSINESS

BCIT

ADMINISTRATIVE MANAGEMENT

ADMN 100

Microeconomics

\$171

Provides a basic understanding of microeconomic concepts. Deals with the functioning of the marketplace and behavior in different competitive environments.

Apr 08	Mon/Wed	6 wks	BBY	CRN 43629
			DEC	50114
Apr 09	Tues/Thurs	6 wks	BBY	45961
			DEC	50212
May 07	Tues/Thurs	6 wks	BBY	57501
Daytime:				
Jun 04	Tues/Thurs	6 wks	BBY	57499
				1300-1600

ADMN 110

Management 1

\$171

A practical and theoretical introduction to the principal functions of modern management.

Apr 08	Mon	12 wks	BBY	CRN 47301
			DEC	44412
Apr 09	Tues	12 wks	BBY	42691
			DEC	42702
Apr 10	Wed	12 wks	BBY	42717
			DEC	42734
Apr 11	Thurs	12 wks	BBY	42726
Apr 16	Tues/Thurs	6 wks	SRY	44588
Daytime:				
Apr 12	Fri	5 wks	DEC	57480
				0900-1700
Apr 22	Mon-Fri	1 wk	DEC	47972
				0900-1700
Jun 10	Mon-Fri	1 wk	BBY	49855
				0900-1700

ADMN 124

Supervisory Skills

\$171

Will increase your confidence and leadership abilities and establish a foundation for further training in supervision and management.

Apr 09	Tues/Thurs	6 wks	BBY	CRN 47963
			DEC	42857
Apr 10	Wed	12 wks	BBY	42866
Daytime:				
Apr 12	Fri	5 wks	DEC	57478
				0900-1700
Apr 15	Mon/Wed	6 wks	SRY	45802
			SRY	50123
Apr 22	Mon-Fri	1 wk	DEC	42879
				0900-1700
Jul 08	Mon-Fri	1 wk	DEC	66091
				0900-1700

ADMN 127

Training Techniques

\$171

Helpful to people with responsibility for training personnel in business, industry, government and other institutions.

Apr 09	Tues	12 wks	BBY	CRN 49198
Daytime:				
Jun 10	Mon-Fri	1 wk	BBY	47294
				0900-1700

ADMN 200

Macroeconomics

\$257

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.

Apr 08	Mon/Wed	9 wks	BBY	CRN 42778
Apr 09	Tues/Thurs	9 wks	BBY	43580
Daytime:				
Jun 04	Tues/Thurs	9 wks	BBY	57465
				0900-1200

ADMN 201

Counselling 1

\$171

Demonstrates that communication skills can be learned and that, through training, everyone can learn to become an effective communicator.

Apr 09	Tues	12 wks	BBY	CRN 42929
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ADMN 204

Human Resource Management

\$257

An introductory course recommended for all persons interested in management and/or supervision. The student develops an understanding of the significant human resource management programs and systems utilized in today's business and government organizations. Employment related legislation and current human resource management issues are surveyed. Topics cover the major human resource management functions with some emphasis upon practical application of the techniques studied. Prerequisite: ADMN 110, 222.

Apr 08	Mon/Wed	9 wks	DEC	CRN 47383
Apr 09	Tues	18 wks	BBY	42898
Daytime:				
Apr 19	Fri	7 wks	DEC	57540
				0900-1700

ADMN 205

Selection Interviewing

\$171

For people who are called upon to interview applicants for employment. Prerequisite: ADMN 204 is recommended but not required.

Apr 08	Mon	12 wks	DEC	CRN 45798
Apr 09	Tues	12 wks	BBY	42912
Daytime:				
Apr 22	Mon-Fri	1 wk	DEC	49435
				0900-1700

ADMN 211

Management 2

\$171

A continuation of the study of ADMN 110 management functions. Prerequisite: ADMN 110.

Apr 08	Mon/Wed	6 wks	DEC	CRN 43551
Apr 09	Tues	12 wks	BBY	43534
Apr 11	Thurs	12 wks	BBY	43599
Apr 22	Mon-Fri	1 wk	DEC	43565
				0900-1700
May 13	Mon-Fri	1 wk	DEC	49205
				0900-1700
May 17	Fri	5 wks	DEC	57451
				0900-1700
May 28	Tues/Thurs	6 wks	SRY	50076
Jun 10	Mon-Fri	1 wk	DEC	49861
				0900-1700
Jun 24	Mon-Fri	1 wk	BBY	43543
				0900-1700

ADMN 222

Organizational Behavior 1

\$171

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

Apr 08	Mon	12 wks	BBY	CRN 42743
Apr 09	Tues	12 wks	BBY	42751
Apr 10	Wed	12 wks	BBY	55349
Apr 15	Mon/Wed	6 wks	SRY	44597
Daytime:				
Jun 10	Mon-Fri	1 wk	BBY	42765
				0900-1700

ADMN 302

Problem-Solving/Decision-Making

\$171

Participants learn to apply various techniques to problem-solving and decision-making; emphasis is on problem analysis. Prerequisite: ADMN 110, 211.

Apr 10	Wed	12 wks	DEC	CRN 53877
Apr 11	Thurs	12 wks	BBY	42882

ADMN 304

Human Resource Planning

\$171

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

Jun 10	Mon-Fri	1 wk	BBY	CRN 43397
				0900-1700

ADMN 305

Salary Administration

\$171

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

Apr 09	Tues	12 wks	BBY	CRN 57443
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ADMN 306

Economic Issues

\$171

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 noneconomist. 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.

Apr 08	Mon	12 wks	BBY	CRN 49419
Apr 09	Tues	12 wks	DEC	57434
Apr 10	Wed	12 wks	BBY	57426

ADMN 308

Performance Strategic Planning

\$171

The systematic approach to identifying and defining performance criteria, measurement, development and enhancement of performance of individuals, groups and the organization. Practical effective communication techniques with employees about performance criteria and outcomes use video feedback. A variety of performance measurement systems are studied and the influence of different organizational cultures are discussed. Prerequisite: ADMN 204 or approval of instructor.

Daytime:				
Apr 12	Fri	5 wks	DEC	CRN 49503
				0900-1700

ADMN 322

Organizational Behavior 2

\$171

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

Apr 08	Mon	12 wks	BBY	CRN 57417
Apr 10	Wed	12 wks	BBY	42780
			DEC	54058

Daytime

Jun 17	Mon-Fri	1 wk	BBY	42799
				0900-1700
Jul 08	Mon-Fri	1 wk	BBY	68355
				0900-1700

ADMN 324

Interpersonal Skills

\$171

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

Apr 08	Mon/Wed	6 wks	BBY	CRN 47374
Daytime:				
Jun 10	Mon-Fri	1 wk	BBY	47369
				0900-1700

ADMN 332

Labor Relations 1

\$171

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

Apr 09	Tues/Thurs	6 wks	BBY	CRN 42800
Daytime:				
Apr 22	Mon-Fri	1 wk	DEC	42811
				0900-1700
Jun 10	Mon-Fri	1 wk	DEC	49464
				0900-1700

ADMN 385

Business Law

\$257

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.

Apr 08	Mon/Wed	9 wks	BBY	CRN 50203
			DEC	55376

Daytime

Apr 12	Fri	7 wks	BBY	57538
				0900-1700
Jun 11	Tues/Thurs	9 wks	BBY	55929
				1400-1700

ADMN 406

Economic Issues for Financial Planners

\$171

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. ***Students should register in ADMN 306***

ADMN 432

Labor Relations 2

\$171

A thorough explanation of collective administration, agreements, wage issues, economic supplements, arbitration, mediation, preparation for collective bargaining and collective bargaining techniques. Prerequisite: ADMN 332.

Apr 08	Mon	12 wks	BBY	CRN 42825
Daytime:				
Apr 29	Mon-Fri	1 wk	DEC	46180
				0900-1700
Jun 17	Mon-Fri	1 wk	DEC	47841
				0900-1700

ADMN 916

Career Search Workshop

\$154

This is a series of special workshops, lead by professionally trained career counsellors, to help you set goals and plan your career based on your own interests, values and abilities.

Apr 03	Wed	4 wks	BBY	CRN 42393
Apr 06	Sat	2 wks	DEC	58343
				0900-1500
May 09	Thurs	4 wks	BBY	42460

ATTENTION EMPLOYERS!

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Send your key personnel back to school on Fridays or for a week-long update of their skills and qualifications.

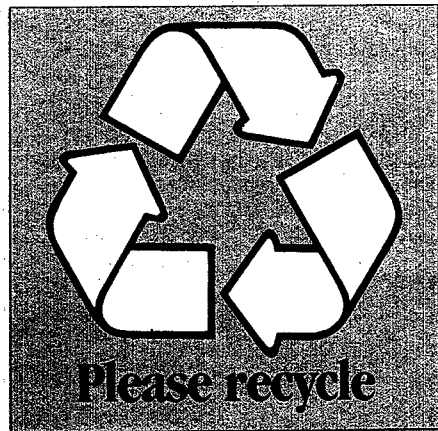
Credit Courses available this spring/ summer are: Economics, Management, Human Resource Management, Organizational Behavior, Labor Relations, Strategic Performance Management, Business Law, Interpersonal Skills, Selection Interviewing.

REGISTER NOW!

The Spring/ Summer term begins April 8

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BROADCAST COMMUNICATIONS

BCST 140

Broadcast Industry Organization \$171
****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.

Apr 09 Tues 12 wks BBY CRN 42930

BCST 143

Music Business \$171
 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.

Apr 08 Mon 12 wks BBY CRN 42948

BCST 144

Writing for the Media \$171
 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.

Apr 11 Thurs 12 wks BBY CRN 42956

BCST 145

Copywriting for Radio and Television \$233

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.

Apr 10 Wed 12 wks BBY CRN 42967

BCST 150

Radio Broadcasting Introduction \$200
 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.

Apr 08 Mon 12 wks BBY CRN 42975

Apr 11 Thurs 12 wks BBY 42981

BCST 151

Radio and Television Announcing \$243
 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.

Apr 10 Wed 12 wks BBY CRN 42994

BCST 160

Television Broadcasting Introduction \$313

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.

Apr 08 Mon/Wed 6 wks BBY CRN 43000

Apr 09 Tues 12 wks BBY 43011

BCST 161

Film for Beginners \$279

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

Apr 09 Tues 12 wks BBY CRN 47248

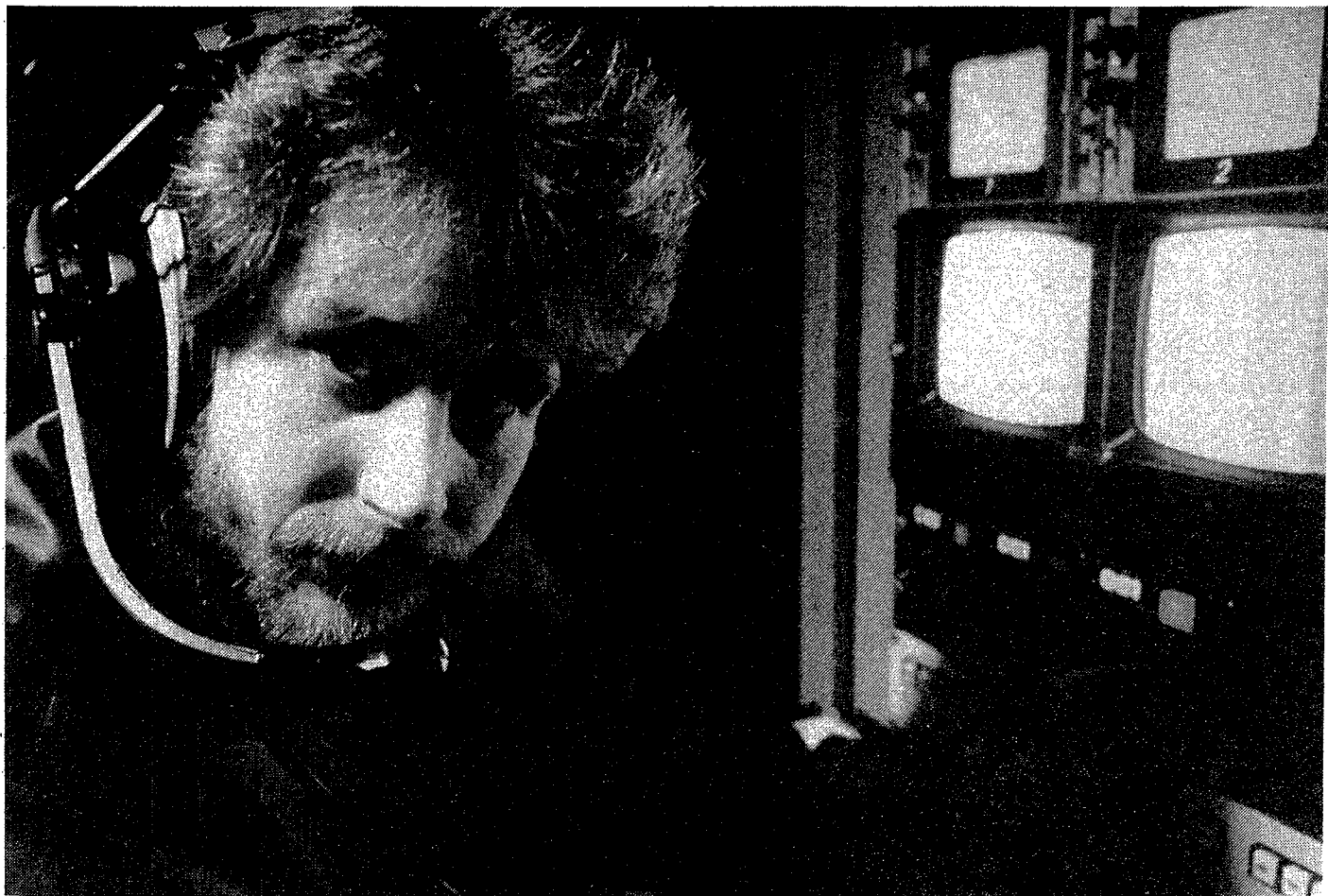
Apr 10 Wed 12 wks BBY 43025

BCST 162

Dramatic Writing for Film and Television \$171

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.

Apr 08 Mon 12 wks BBY CRN 43033



BCST 165

30 Images a Second — Examining TV News \$279

Pictures tell the story but do they tell the WHOLE story? This behind-the-screen course will show you how news is gathered, packaged and presented for viewers. Television doesn't simply mirror society, it reworks reality in a powerful way. Through practical exercises, documentaries and discussions, students will explore the strengths and weaknesses of TV news.

Apr 11 Thurs 12 wks BBY CRN 45585

BCST 166

Inside Television \$200

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.

Apr 08 Mon 12 wks BBY CRN 53175

BCST 167

Production Assistant for TV News \$171

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.

Apr 09 Tues 12 wks BBY CRN 44334

BCST 168

The Role of the Television Producer \$171

To be successful today, many people are combining job functions. We'll study: the fundamentals of effective writing for commercials and corporate video producing, from budget breakdown to crew selection and finally... directing... from blocking shots to talent direction.

Apr 08 Mon 12 wks BBY CRN 53181

BCST 170

Broadcast Journalism Introduction \$233

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.

Apr 09 Tues 12 wks BBY CRN 43044

Apr 10 Wed 12 wks BBY 47521

BCST 223

Television Production Planning \$200

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.

Apr 11 Thurs 12 wks BBY CRN 45606

BCST 252

Radio: Commercial and Audio Production \$171

Learn how to produce radio commercials and other audio features using modern radio commercial production and recording theories and techniques.

Apr 11 Thurs 12 wks BBY CRN 43057

BCST 260

Television Production Techniques \$313

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.

Apr 11 Thurs 12 wks BBY CRN 43066

BCST 263

Television Technical Production \$171

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. Prerequisite: BCST 160.

Apr 11 Thurs 12 wks BBY CRN 45592

WHAT DO THESE BROADCASTERS HAVE IN COMMON?

Liz McKinney	C-FOX, Vancouver
Lee Ellen Carroll	ABC News, London
Elaine McKay	BCTV News, Vancouver
Jesse Dillon	CILQ, Toronto
Dave Pears	CKIQ, Kelowna
Matthew McBride	CKKS, Vancouver
Tammi Christopher	KKIS, San Francisco
Dave Rose	CKRY, Calgary
Sandy Heimlich-Hall	CFJC, Kamloops
Patrick Munro	CBC, Vancouver
Fred Hutton	NTV, Newfoundland
Dan Russell	CFMI, New Westminster
Mike Killen	CKVU, Vancouver
Harry Phillips	ABC News, New York
Ted Field	CKNW, New Westminster
Joe Nichols	CKXY, Vancouver
Darrell A. Bear	CKXY, Vancouver
Dave Dhillon	KKLQ, San Diego
Sherry Stafford	CKOM, Saskatoon
Al Murdock	C-FOX, Vancouver
Rick Volpatti	KBS, Trail
Darryl Braithwaite	CJJR, Vancouver
Andrew Lindsay	CHWK, Chilliwack
Robin Adair	CHEK-TV, Victoria

These and 1700 others like them got their start in broadcasting at the British Columbia Institute of Technology in Burnaby. Join this exciting fraternity. Call the Broadcast Hot Line at 432-8863 and enquire about full-time and part-time courses.

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BUSINESS CLIENT STUDIES

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Custom Courses

If you need training unique to your organization, we can design, develop and deliver a program for you. BCIIT faculty have over 20 years experience in designing work-related training programs. Their expertise can help in:

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- Setting training goals and objectives
- Writing curriculum
- Delivering training using a variety of methods suited to your needs

Customized training has proven to be **EFFECTIVE** and **COST EFFICIENT**.

Short Seminars and Workshops

Too busy for lengthy training programs? We can Help!

We offer a variety of short seminars and workshops that can provide a "quick fix" to a specific problem.

We'll modify existing programs to cover just those topics you need, or create new short seminars for you.

Give us just 4 hours and we'll give you valuable training.

Computer Proficiency Training

Do your employees need computer skills training? Business Client Studies has developed a unique computer skills training method to reduce apprehension and improve retention of knowledge in using computers.

We combine group instruction with on-the-job, small group coaching sessions. In group instruction, students learn theory, then practice this in class. Then, they are visited frequently on their job site by a coach, who assists them with specific work-related computer problems, reinforcing the group training and improving skills.

DIRECT EMPLOYMENT TRAINING

LEGAL STENO/TYPIST

CORT 933

Legal Steno/Typist Part 2

\$338

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. Prerequisite: CORT 932.

Apr 10 Wed 18 wks BBY CRN 44683
1900-2200

CASHIER TRAINING

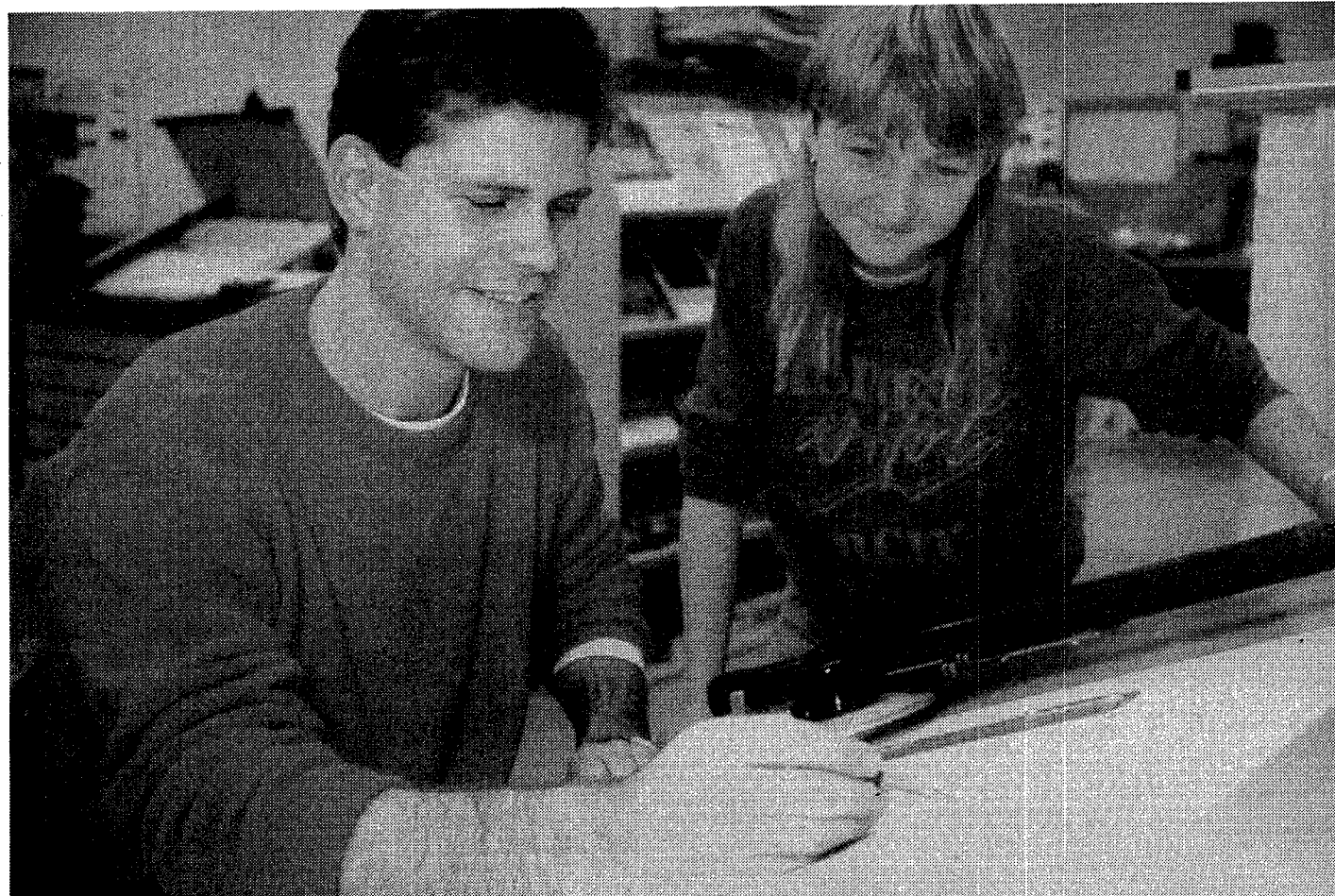
OFFC 925

Cashier Training

\$171

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

Apr 16 Tues/Thurs 3 wks BBY CRN 44704



MEDICAL OFFICE ASSISTANT A FIVE COURSE CERTIFICATE PROGRAM.

OFFC 934

Medical Office Assistant: Medical Office Computer Literacy

\$210

Introduces the principles and concepts of micro-computer use in medical offices to those with little or no computer experience, who need a better understanding of basic application programs such as word processing and straightforward database processing systems. Students will be introduced to the general concepts programs that interface with the provincial billing plan.

Apr 09 Tues 12 wks BBY CRN 57232

OFFC 936

Medical Office Assistant: Anatomy and Physiology

\$200

Human anatomy and physiology.

Apr 09 Tues 12 wks BBY CRN 47444
1815-2145

OFFC 937

Medical Office Assistant: Medical Terminology

\$214

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. Prerequisite: OFFC 936.

Apr 10 Wed 12 wks BBY CRN 47340
1800-2145

OFFC 938

Medical Office Assistant: Office Practice

\$114

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

Apr 09 Tues 8 wks BBY CRN 46308

OFFC 939

Medical Office Assistant: Clinical Procedures

\$142

How to use medical equipment, how to perform laboratory tests and assist physicians with specific examinations.

Apr 11 Thurs 10 wks BBY CRN 47457

INTERIOR DESIGN

INTD 100

Interior Design Basic

\$171

Introduces the field of Interior Design. Students will gain a good understanding of the interior design art form.

Apr 08	Mon	12 wks	DEC	CRN 43161
Apr 09	Tues	12 wks	BBY	43155
Apr 13	Sat	12 wks	BBY	47864
		0900-1200		
May 06	Mon-Fri	1 wk	DEC	46561
		0900-1700		

INTD 101

History of Furniture

\$171

The history of furniture from ancient Egypt to the present. Prerequisite: INTD 100.

Apr 08 Mon 12 wks BBY CRN 46096

INTD 200

Color and Lighting

\$171

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. Prerequisite: INTD 100.

Apr 22 Mon/Wed 6 wks DEC CRN 46102

INTD 202

Interior Design Drafting 2

\$370

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. Prerequisite: INTD 102.

Apr 08 Mon/Wed 12 wks DEC CRN 53940

INTD 302

Interior Design Drafting 3

\$171

Students study the reflected ceiling plan, organization of its legend and specification, types and characteristics of lighting. Students complete one major assignment combining plans, elevations, sections, perspectives, lighting plans and specifications. Prerequisite: INTD 202.

Apr 09 Tues/Thurs 6 wks BBY CRN 43176

INTD 307

Materials

\$171

Interior finishing materials for floors, walls, ceilings and windows, and the characteristics of fabrics. Prerequisite: INTD 100.

Apr 23 Tues/Thurs 6 wks BBY CRN 47573

INTD 400

Directed Study Project

\$80

Students incorporate all material from previous courses in a major project. Prerequisite: INTD 100, 101, 102, 200, 202, 301, 302, 304, 305, 307, 403, 404.

Apr 24 Wed 6 wks DEC CRN 43187

INTD 403

Marketing for Interior Design

\$80

Information on basic business and marketing practices. Topics such as portfolios, presentations and interviews relating to interior design.

Apr 23 Tues 6 wks DEC CRN 49497

REGISTER NOW!

The Spring/
Summer term
begins April 8

Tel. 434-1610

FAX 430-1331



MEDIA TECHNIQUES FOR BUSINESS

MDIA 099 Photography — Entry Level \$127

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.

Apr 10 Wed 4 wks BBY CRN 47425

MDIA 101 Photography \$313

Enables students to select and work with a variety of 35 mm equipment and accessories including flash, choosing the right film, and determining the correct exposure for different light conditions. Students will get practical experience in taking a studio portrait using studio lighting equipment, plan and carry out assignments, process and print B/W film, and set up their own darkroom. Students have to supply a 35 mm SLR camera with at least a 50 mm lens. Prerequisite: MDIA 099 or permission of instructor.

May 08 Wed 8 wks BBY CRN 47395

MDIA 103 Multi-image Techniques Level 1 \$283

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.

Apr 08 Mon 12 wks DEC CRN 49144

MDIA 104 Graphics Level 1 \$171

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.

Apr 09 Tues/Thurs 6 wks BBY CRN 47466

MDIA 110 Introduction to Media Techniques for Business \$200

As the core of the MEDIA TECHNIQUES FOR BUSINESS Program, MDIA 110 introduces students to communication tools and audiovisual 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.

Apr 16 Tues 12 wks DEC CRN 49157

MDIA 201 Advanced Photography \$354

Students develop the basic skills to plan and carry out a variety of assignments in a professional way: select and handle sophisticated camera and studio lighting equipment, set up a darkroom for advanced B/W printing, shoot product and portraits in studio and on location, set up and organize a small commercial studio, work from a layout to meet client's requirements and quality standards for offset printing, put together a portfolio and make a presentation. Prerequisite: MDIA 101 or permission of instructor.

Apr 11 Thurs 12 wks BBY CRN 47400

MDIA 202 Advanced Darkroom Techniques \$324

During the 3 classroom sessions and 9 darkroom sessions, students will develop the practical skills to create high quality B/W images by using a variety of techniques and materials. Through practical assignments they will learn how to determine their personal film exposure index and development time, assess negatives, printing quality, manipulate film and prints, make enlargements on Resin Coated as well as Fibre based paper, learn how to set up and organize a B/W darkroom, and get hands-on experience with spotting, toning and hand-coloring. All darkroom materials and chemicals are included. Students must have a 35 mm camera and supply their own film. Prerequisite: MDIA 101 or permission of instructor.

Apr 08 Mon 12 wks BBY CRN 49166

MDIA 204 Graphics Level 2 \$171

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. Prerequisite: MDIA 104.

May 21 Tues/Thurs 6 wks BBY CRN 47479

MDIA 206 Effective Presentation Techniques \$171

Consists of two sections designed to prepare students to present material effectively. The first section concentrates on effective spoken techniques including breathing, emphasis, phrasing, etc. The second section deals with effective and proper use of grammar. The course is ideal for those who prepare and present written and spoken material in today's corporate world.

Apr 10 Wed 12 wks BBY CRN 53148

MDIA 207 Video for Business \$210

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.

Apr 10 Wed 12 wks DEC CRN 47433

MDIA 301 Commercial Photography \$346

Enables students to set up and manage a commercial studio; select and handle medium and large format camera equipment and accessories, work with studio lighting equipment for still life and commercial portraiture; understand how to market their services to prospective clients and create a working relationship with clients and suppliers; get practical experience in carrying out a variety of assignments; and work from a layout to meet a client's requirements as well as quality standards in the industry. Students will learn the techniques to develop a powerful personal portfolio. Prerequisite: MDIA 201 or permission of instructor.

Apr 09 Tues 12 wks BBY CRN 47411

MDIA 304 Computer Generated Graphics \$397

The use of computers has altered the way business communicators develop print and slide graphics. Students receive an intensive hands-on training with the latest in computer graphics software programs. This course features two instructors and is limited to 10 pupils ensuring personalized attention for each student. A passing knowledge of DOS is preferred.

Apr 11 Thurs 12 wks DEC CRN 49179



AUTHORIZED

TRAINING PROGRAM

MDIA 910 Aldus PageMaker MS-DOS \$425

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

Apr 09 Tues 10 wks DEC CRN 53194

Apr 13 Sat 5 wks DEC 53209

MDIA 911 Aldus PageMaker Macintosh \$425

BCIT's desktop publishing course will show you how to create numerous publishing projects such as brochures, advertisements, flyers, etc. PageMaker gives you everything you need to produce any document electronically.

Apr 08 Mon 10 wks BBY CRN 53223

Apr 13 Sat 5 wks BBY 53237

MDIA 912 Aldus Freehand \$550

Aldus Freehand turns the Apple Macintosh into the ultimate drawing tool. Learn how to create any graphic imaginable, with more precision and control than ever before. For individuals in stage design, architectural studies, landscaping, fine arts product design or planning packaging, etc.

Apr 09 Tues 10 wks BBY CRN 53258

MDIA 914 Persuasion - Macintosh \$180

This Persuasion course, run in a Mac environment, is the complete desktop presentation solution from the Aldus Corporation. From presentation to finished overheads, 35 mm slides and speaker notes, Persuasion streamlines the entire process. Persuasion provides professionally designed auto templates. You type your presentation into the outliner and Persuasion instantly formats your outline text into finished visuals.

Apr 11 Thurs 4 wks BBY CRN 57186

Apr 12 Fri 2 wks BBY 57204

0900-1600

Apr 26 Fri 2 wks BBY 57210

0900-1600

May 09 Thurs 4 wks BBY 57190

May 10 Fri 2 wks BBY 57228

0900-1600

MDIA 920 Multimedia - Communications Solutions Today and Tomorrow \$200

If you have the need to communicate effectively, whether it is with your own employees, your boss or your clients; if you need to educate, enlighten or entertain, this is the seminar which will show you the tools available to you today.

Multimedia has the potential to offer you increased productivity from your employees, better communications internally and externally, more vibrant and informative presentations, more effective use of resources.

Animation
Learning
Video
Interactivity
Graphics
Text

Multimedia can be looked at as the interrelationships of different media types. Desktop publishing, for example, is a combination of text and graphics using paper as a vehicle for communication. Multimedia extends our ability to communicate by offering the ability to choose the most effective means of conveying ideas and information.

Some subjects to be covered:

Software
Basic Components
Graphics
Interactivity
Sound
Motion
I/O Control
Hardware
CPUs
Storage and Source
Video Disk
CD ROM
Video Tape
Video Camera
Fixed and Removeable Storage
File Compression
Display and Delivery
Telecommunications
Video Conferencing
Video Cards
Digitized Video
Still Video
Data Gathering
Testing
Output
to video
to disk
Sample Applications
Telecommunications
Applications
Kiosk
Education
Training
Visualization
Animation
Rendering
Video
Entertainment
News

April 16 Tuesday 1900-2200; and

April 18 Thursday 1900-2200

CERTIFICATE PROGRAM IN MEDIA TECHNIQUES FOR BUSINESS

This new program is designed for people with an interest in sales, marketing, training, public relations, motivation, fundraising and internal corporate communication. 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 MEDIA TECHNIQUES FOR BUSINESS 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 MEDIA TECHNIQUES FOR BUSINESS Certificate Program requires the completion of the following 9 basic and 6 elective courses chosen from the offerings listed below.

REQUIRED BASIC COURSES

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

ELECTIVE COURSES

ADMN 124 Supervisory Skills
BCST 145 Copywriting for Radio & TV
BCST 148 Interviewing Radio & TV
BCST 252 Commercial Audio Production
COMM 171 Business Reports
COMM 175 Business and Technical Correspondence
COMM 183 Technical Reports
FMGT 109 Accounting for the Manager
MDIA 201 Advanced Photography
MDIA 202 Advanced Darkroom Techniques
MDIA 204 Graphics Level 2
MDIA 208 Communications Management
MDIA 301 Commercial Photography
MDIA 304 Computer Generated Graphics
MKTG 101 Marketing 1
MKTG 201 Marketing 2
MKTG 218 Introduction to Media
MKTG 219 Professional Sales 1
MKTG 321 Public Relations
MKTG 322 Advertising 1
MKTG 324 Small Business Development
MKTG 348 Media Planning and Buying
MKTG 423 Effective Public Speaking 2
MKTG 427 Creative Advertising Design
MDIA 910 Aldus Pagemaker MS-DOS
MDIA 911 Aldus Pagemaker Macintosh
MDIA 912 Aldus Freehand
MDIA 914 Aldus Persuasion

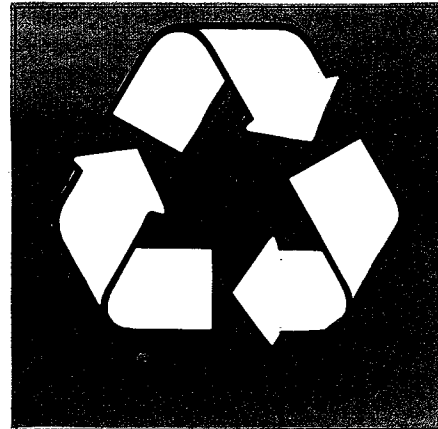
Other elective courses are being developed. Check future flyers for additional choices. Not all courses are offered every term.

FOR FURTHER INFORMATION, CALL:

432-8255 or 432-8614.

TO REGISTER IN A COURSE, CALL:

434-1610. ENROL NOW!



FINANCIAL MANAGEMENT

FMGT 101

Accounting 1

\$171

For individuals with little or no accounting background. Covers the full accounting cycle. (See FMGT 115 prior to registration in this course.) Correspondence courses - students may begin this course at any time (Fees include texts).

Apr 01 TBA 36 wks Correspondence (\$235)	CRN 42207
Apr 01 TBA 36 wks Re-registration (\$34)	42215
Apr 08 Mon 12 wks BBY	44638
Apr 08 Mon/Wed 6 wks BBY	44429
Apr 09 Tues 12 wks BBY	44640
Apr 10 Wed 12 wks BBY	57854
Apr 11 Thurs 12 wks BBY	57863
Apr 16 Tues/Thurs 6 wks SRY	54639
Jul 01 TBA 36 wks Correspondence (\$235)	66054
Jul 01 TBA 36 wks Re-registration (\$34)	66063

FMGT 109

Accounting for the Manager

\$171

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

Apr 08 Mon 12 wks BBY	CRN 57872
Apr 09 Tues 12 wks BBY	42663
	DEC 57891
Apr 10 Wed 12 wks BBY	57889
	DEC 44564
Apr 11 Thurs 12 wks BBY	42654
	DEC 57906

FMGT 115

Accounting 1L

\$257

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.

Apr 08 Mon/Thurs 7 wks BBY	CRN 47203
	1800-2200

FMGT 119

Personal Financial Planning 1

\$171

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.

Apr 08 Mon 12 wks DEC	CRN 47192
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FMGT 201

Accounting 2

\$257

Follow up course to FMGT 101. Examines financial and management accounting techniques, detailed financial statements and management reports, and the requirements of professional accountants. Prerequisite: FMGT 101. Correspondence courses - students may begin this course at any time (fees include texts).

Apr 01 TBA 36 wks Correspondence (\$261)	CRN 48712
Apr 01 TBA 36 wks Re-registration (\$34)	48730
Apr 09 Tues 18 wks DEC	57919
Apr 09 Tues/Thurs 9 wks BBY	45955
1800-2200 7 wks BBY	50425
1800-2200 7 wks BBY	55590
Apr 11 Thurs 12 wks DEC	57922
Jul 01 TBA 36 wks Correspondence (\$261)	67840
Jul 01 TBA 36 wks Re-registration (\$34)	67852

FMGT 215

Accounting 2S

\$171

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

Apr 08 Mon/Wed 6 wks BBY	CRN 43452
Apr 09 Tues/Thurs 6 wks BBY	43469
	DEC 43474
Apr 11 Thurs 12 wks BBY	55387

FMGT 317

Taxation and Financial Planning

\$171

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.

Apr 10 Wed 12 wks DEC	CRN 47316
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FMGT 325

Investment and Risk Management

\$171

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.

Apr 11 Thurs 12 wks DEC	CRN 49385
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FMGT 408

Taxation 2

\$171

Expands the study of Canadian Income Tax begun in FMGT 316 and introduces some complexities and problem areas involving personal, corporate and trust taxation. Prerequisite: FMGT 316.

Apr 08 Mon 12 wks BBY	CRN 43370
Apr 09 Tues 12 wks BBY	43388
	DEC 57935
Apr 10 Wed 12 wks BBY	50004

FMGT 419

Cost and Managerial Accounting 2S

\$171

As a follow-up course to FMGT 319, FMGT 419 completes the last portion of the cost accounting courses. Prerequisite: FMGT 319, 419.

Apr 08 Mon/Thurs 6 wks BBY	CRN 43483
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FMGT 420

Financial Accounting 2S

\$171

Equips students for more challenging and responsible accounting positions at the intermediate level.

Apr 08 Mon/Wed 6 wks DEC	CRN 46549
Apr 09 Tues/Thurs 6 wks BBY	46555

FMGT 444

Personal Financial Planning

\$171

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.

Apr 09 Tues 12 wks DEC	CRN 49125
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ASSOCIATE CERTIFICATE IN 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 380	Business Law (or ADMN 385)
ADMN 406	Economic Issues for Financial Planners
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 course descriptions section.

Suggested Electives for all Certificates

ADMN 222	Organizational Behavior 1
ADMN 322	Organizational Behavior 2
ADMN 332	Labor Relations 1
ADMN 380	Business Law 1
ADMN 432	Labor Relations 2
ADMN 480	Business Law 2
COMP 104	Computers in Business
COMP 160	Computer Systems Introduction 1
FMGT 106	Credit and Collections
FMGT 119	Personal Financial Planning 1
FMGT 310	Auditing 1
FMGT 315	Security Analysis
FMGT 322	Micro Basic Accounting
FMGT 325	Investment & Risk Management
FMGT 331	Money & Banking
FMGT 406	Auditing 2
FMGT 410	Security Analysis 2
FMGT 441	Financing International Trade
FMGT 444	Personal Financial Planning
MKTG 102	Essentials of Marketing
MKTG 323	Effective Public Speaking
MKTG 324	Small Business Development
TDMT 409	Harmonized Systems FTA

Program Information:

Contact Gordon Farrell
Associate Dean
Financial Management Technology
432-8898

BUSINESS CERTIFICATE IN FINANCE

Required Courses

FMGT 101	(or FMGT 115) Accounting 1
FMGT 201	(or FMGT 215) Accounting 2
FMGT 302	Financial Accounting 2
FMGT 307	Finance 1
FMGT 315	Security Analysis
FMGT 402	Financial Accounting 2
FMGT 404	Finance 2
OPMT 102	Basic Mathematics of Finance

Must Complete

FMGT 301	Cost & Managerial Accounting 1 &
FMGT 401	Cost & Managerial Accounting 2
or	
ADMN 100	Microeconomics and
ADMN 200	Macroeconomics
or	
FMGT 316	Taxation 1 and
FMGT 408	Taxation 2

Must Complete at Least One of:

Computer related course or courses with value of 3 credits.

Electives

Courses to be selected from the suggested electives or from the alternative courses shown above. The courses selected must be a minimum of 90 course contact hours.

Entry into Levels 2, 3 or 4 of the Day School Programs

Students who wish to enter the upper levels of either the Professional Accounting program or the Finance program may qualify to do so by successfully completing the courses listed in the lower level day school programs.

Individuals wanting to qualify for admission to day school must also be interviewed by the Departmental Selection Committee to ensure that they qualify for entry, based upon normal selection procedures and guidelines.

Approval for entry to levels 2, 3 or 4 must be obtained from the Associate Dean of Financial Management. An interview will be required. It is recommended that students intending to enter levels 2, 3 or 4 contact the Associate Dean for an interview early in their program of studies. This interview will determine initial suitability for entry to levels 2, 3 or 4.

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 302/402
ADMN 222/322	FMGT 307/404
ADMN 226	FMGT 316/408
ADMN 380/480	FMGT 314
ADMN 385	FMGT 319/419
BCOM 100/200 or	FMGT 320/420
BCOM 110/220	FMGT 339
COMP 125	FMGT 435
COMP 160/260	OPMT 132
FMGT 101/201	OPMT 186/188
FMGT 115/215	OPMT 197
FMGT 116	OPMT 296
FMGT 301/401	OPMT 315

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

MARKETING MANAGEMENT (Including Tourism)

MKTG 101

Marketing 1

\$171

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.

Apr 08 Mon 12 wks BBY	CRN 43208
	DEC 43193
Apr 10 Wed 12 wks BBY	45826
	DEC 45817
Apr 11 Thurs 12 wks BBY	47275
	DEC 54009
Apr 16 Tues/Thurs 6 wks SRY	47338
Apr 29 Mon-Fri 1 wk DEC	43213
0900-1700 (Must register by Apr 22/91).	
Jul 08 Mon-Fri 1 wk DEC	66348
0900-1700 (Must register by June 17/91).	

MKTG 107

Marketing Strategies for the Fashion Industry

\$130

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

Apr 10 Wed 9 wks DEC	CRN 57644
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MKTG 112

Customer Relations

\$171

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.

Apr 09 Tues 12 wks DEC	CRN 54023
Apr 13 Sat 6 wks BBY	58674

MKTG 120

Special Event Marketing

\$171

The focus of this course is on learning how to plan, market, produce and manage special events such as social functions, conventions, fundraisers, appreciation nights, etc. The course will cover such things as budgeting, location, entertainment, timing, sponsors, themes and promotion. A major project in which students will develop an event plan of their own is the key component of this course.

Apr 29 Mon-Fri 1 wk DEC	CRN 57583
0900-1700 (Must register by Apr 22/91).	

MKTG 201

Marketing 2

\$171

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

Apr 08 Mon/Wed 6 wks DEC	CRN 47542
Apr 09 Tues 12 wks BBY	43224
Apr 10 Wed 12 wks DEC	44627
Apr 11 Thurs 12 wks BBY	45834
Jul 22 Mon-Fri 1 wk BBY	66115
0900-1700	

MKTG 205

Marketing of Services

\$171

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. Prerequisite: MKTG 101.

Apr 08 Mon 12 wks DEC	CRN 47352
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MKTG 212

Principles of Customer Service

\$171

An introductory course designed to provide an overview of what constitutes customer service. Will cover such things as corporate image, personal presentation, customer interaction, customer definition, service definition and industry needs.

Apr 11 Thurs 12 wks BBY	CRN 57595
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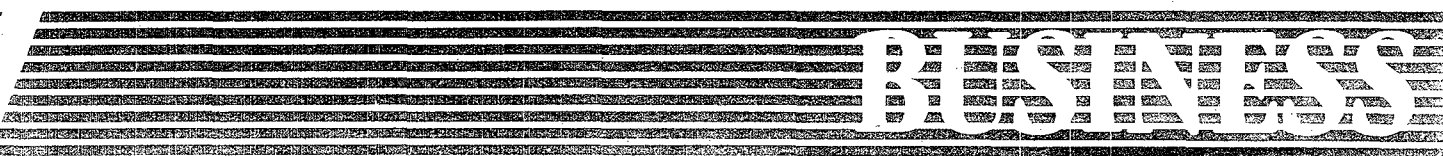
MKTG 219

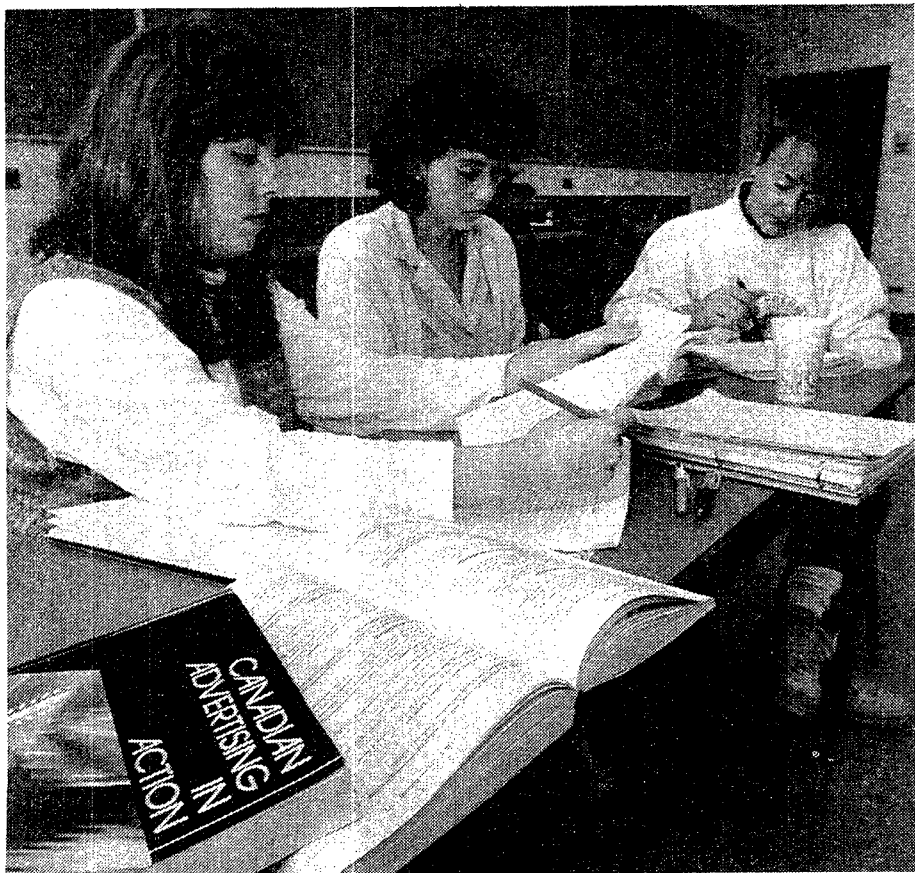
Professional Sales 1

\$171

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

Apr 09 Tues 12 wks BBY	CRN 43502
Apr 10 Wed 12 wks DEC	45865
Apr 11 Thurs 12 wks BBY	43526
Apr 16 Tues/Thurs 6 wks SRY	58282
Apr 29 Mon-Fri 1 wk DEC	43517
0900-1700 (Must register by Apr 22/91).	
Jul 08 Mon-Fri 1 wk BBY	67767
0900-1700 (Must register by July 02/91).	





MKTG 220
Managing of the Sales Force \$171
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.
Apr 13 Sat 6 wks BBY CRN 54572
0900-1500

MKTG 319
Professional Sales 2 \$171
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. Prerequisite: MKTG 219.
Apr 08 Mon 12 wks BBY CRN 45843

MKTG 321
Public Relations \$171
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. Prerequisite: MKTG 101.
Apr 09 Tues 12 wks BBY CRN 43231
Jun 24 Mon-Fri 1 wk DEC 50374
0900-1700 (Must register by June 17/91).

MKTG 322
Advertising 1 \$171
Covers the principles to consider when using and developing advertising: advertising philosophy, planning and creation; media buying, production, controls and evaluation. Prerequisite: MKTG 101.
Apr 09 Tues 12 wks DEC CRN 43245
Apr 11 Thurs 12 wks BBY 45851

MKTG 323
Effective Public Speaking \$171
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.
Apr 08 Mon 12 wks BBY CRN 43259
Apr 10 Wed 12 wks BBY 47267
Apr 11 Thurs 12 wks DEC 43262
Apr 16 Tues/Thurs 6 wks SRY 58298
Apr 29 Mon-Fri 1 wk DEC 49828
0900-1700
Jul 08 Mon-Fri 1 wk BBY 66303
0900-1700
Aug 12 Mon-Fri 1 wk DEC 66356
0900-1700

MKTG 324
Small Business Development \$171
Examines the planning stages involved in starting a new business including market, financial and legal responsibility requirements.
Apr 10 Wed 12 wks BBY CRN 43277

MKTG 325
Importing \$171
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 business.
Apr 10 Wed 12 wks DEC CRN 49453

MKTG 337
Corporate Communications \$171
Covers the spectrum of promoting and communicating a company's image, including advertising, public relations, media relations, investor relations, promotional print materials, trade shows, etc. 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.
Apr 10 Wed 12 wks BBY CRN 49218

MKTG 341
Introduction to Marketing Research \$171
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. Prerequisite: MKTG 201.
Apr 11 Thurs 12 wks DEC CRN 53824

MKTG 422
Advertising 2 \$171
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. Prerequisite: MKTG 322.
Apr 10 Wed 12 wks BBY CRN 43286

MKTG 433
Advanced Public Relations \$171
Emphasizes the behavioral science foundation of public relations and looks in depth at program planning and budget development, issues identification, analysis and management, crisis management, dealing with specialized publics and managing public relations.
Apr 10 Wed 12 wks BBY CRN 47327

MKTG 441
Applications of Marketing Research \$171
A continuation of MKTG 341.
Apr 09 Tues 12 wks DEC CRN 54217

MKTG 501
Strategic Marketing Management \$171
Provides students with a multi-dimensional learning environment through lectures, reading, discussions, and simulation exercises. The role and importance of planning and information for marketing decision-making is the underlying precept. Simulations are used to apply knowledge and gain experience. This course demands that students draw heavily from marketing expertise gained in previous courses. Prerequisite: MKTG 201, 322, 340, 441.
Apr 08 Mon 12 wks BBY CRN 53901

TOUR 161
Tourism Fundamentals \$171
For persons who are newly involved in or anticipate employment in this field.
Apr 09 Tues 12 wks BBY CRN 57600

TOUR 212
Basic Japanese \$171
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.
Apr 10 Wed 12 wks DEC CRN 46528

TOUR 213
Basic Communication in French \$171
English speaking persons will develop basic French conversational skills.
Apr 08 Mon 12 wks DEC CRN 47256

TOUR 313
Basic French 2 \$171
A continuation of TOUR 213, designed to provide students with additional skills in conversational French.
Apr 09 Tues/Thurs 6 wks DEC CRN 49441
May 21 Tues/Thurs 6 wks BBY 58301
0900-1200

TOUR 351
International Air 1 \$231
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. Prerequisite: TOUR 350.
Apr 08 Mon 12 wks BBY CRN 45560

TOUR 365
Intermediate Japanese \$171
A continuation of TOUR 212, designed to provide the students with additional skills in conversational Japanese. Prerequisite: TOUR 212.
Apr 08 Mon 12 wks DEC CRN 53797
0900-1200

INTRODUCING THE "NEW" FLEX TIME MARKETING PROGRAM

The School of Business, Marketing Department is pleased to announce the new format of course offerings for Adult Learners wanting to continue their education during the day.

All courses are fully credited and will be applied toward our Certificate programs in Marketing. These courses will be offered at the Downtown Education Centre, 549 Howe Street, Vancouver. The courses available in the Spring term (April) will be offered on Thursdays and Fridays and will include:

- Introduction to Marketing 1 and Marketing 2
- Effective Public Speaking
- Importing
- Exporting
- Small Business Development
- Professional Sales 1

For additional information, please call Morie Shacker, Marketing Department at 432-8572.

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 understand 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
COMP 103	Data Processing Micro/Apple or
COMP 105	Micro/IBM PC
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
MKTG 501	Strategic Marketing Management

Plus two electives.

MARKETING MANAGEMENT

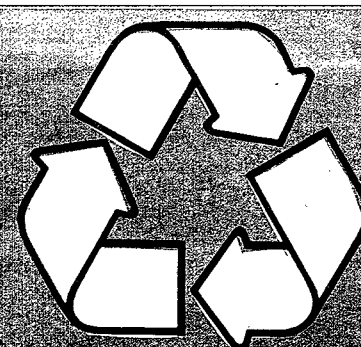
OFFERS BUSINESS CERTIFICATES IN:

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

REGISTER NOW!

434-1610

Classes start week of
April 8



Please recycle

OPERATIONS MANAGEMENT

OPMT 099

Math for Business

\$228

Offers the basic arithmetic and algebraic skills necessary to commence studies in the School of Business at BCIT.

Apr 09	Tues/Thurs	8 wks	BBY	CRN 43427
				43656
				46587
Apr 13	Sat	12 wks	BBY	43705
				0900-1300
Jul 02	Tues/Thurs	8 wks	BBY	69578
				66072
Jul 29	Mon-Thurs	4 wks	BBY	66329
				1800-2100
Aug 19	Mon-Thurs	2 wks	BBY	70005
				0900-1600

OPMT 102

Basic Mathematics of Finance

\$171

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.)

Apr 08	Mon	12 wks	BBY	CRN 43290
Apr 09	Tues/Thurs	6 wks	BBY	42513
			BBY	47991
May 28	Tues/Thurs	4 wks	BBY	53969
				1800-2200

OPMT 189

Operations Management

\$257

Students study 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.

Apr 08	Mon/Wed	9 wks	BBY	CRN 43438
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OPMT 191

Purchasing

\$171

Purchasing functions, objectives, relationships, organization, policies, procurement procedures, inventory control, sourcing, supplier evaluation, price, negotiation, make or buy, ethics.

Jun 24	Mon-Fri	1 wk	BBY	CRN 43306
				0900-1700

OPMT 192

Inventory Planning and Control

\$171

Objectives, records, forecasting, order point systems, MRP make/buy analysis, departmental organization.

Apr 08	Mon/Wed	6 wks	BBY	CRN 53167
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OPMT 197

Statistics for Business and Industry

\$257

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.)

Apr 08	Mon/Wed	9 wks	BBY	CRN 45976
Apr 13	Sat	18 wks	BBY	43603
				0900-1200
Jun 03	Mon/Wed/Fri	5 wks	BBY	50171
				0830-1230
	Mon/Wed/Sat	5 wks	BBY	50185
				M/W 1800-2200; Sat 0830-1230

OPMT 198

Productivity Engineering 1

\$171

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.

Apr 08	Mon	12 wks	BBY	CRN 44343
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OPMT 298

Productivity Engineering 2

\$171

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. Prerequisite: OPMT 198.

Apr 09	Tues	12 wks	BBY	CRN 48009
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PRODUCTION MANAGEMENT SEMINARS

BCIT and the Canadian Association for Production and Inventory Control (C.A.P.I.C.) are pleased to present the following 2-day Seminars in Production Management.

CPIC 901

Inventory Management

\$315

There is a significant pressure on small and medium sized distributors and manufacturers to manage the "INVENTORY" resource effectively. Many companies now have computers to help them in this task yet still do not achieve the results expected to lower inventory investment and improve service.

This two-day seminar will focus on the *practical* aspects of managing the resource. It will include both manual and computer applications. Topics include managing for results, financial impact of inventory, formal systems, inventory classification systems, when to order, how much to order, safety stock, aggregate planning storage systems, materials requirement planning and measuring performance.

June 10 & 11	Mon/Tues	TBA	CRN 50230
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CPIC 902

Manufacturing Resource Planning

\$315

MRP is one of the current operating tools available to manufacturing management. It can contribute to lower inventories, improve customer service and lower operating costs. If your company is considering an MRP system, or is in the process of installing one, this seminar is a must for you.

This two-day seminar will focus on the *application, operation and benefits* of this type of computer based system. Topics include production planning, forecasting production, master scheduling, rough cut capacity, bills of material, logic of MRP, lot sizing, MRP output, scheduling, data collection, and justification/implementation.

June 13 & 14	Thurs/Fri	TBA	CRN 50248
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CPIC 903

Manufacturing Excellence (JIT/TQC)

\$315

Manufacturing Excellence which includes Just-in-Time (JIT), Total Employee Involvement (TEI), and Total Quality Control (TQC) is a new way to run a company. North American companies that have successfully implemented Manufacturing Excellence philosophies and techniques have experienced some remarkable improvements: 80% reduction in the use of direct labor, and 50% reduction in space requirements.

This two-day seminar will show you how to dramatically improve the performance of your company. Topics include total quality management, elimination of waste, lead time reduction, set-up reduction, employee involvement and continuous improvement.

June 17 & 18	Mon/Tues	TBA	CRN 50256
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CPIC 904

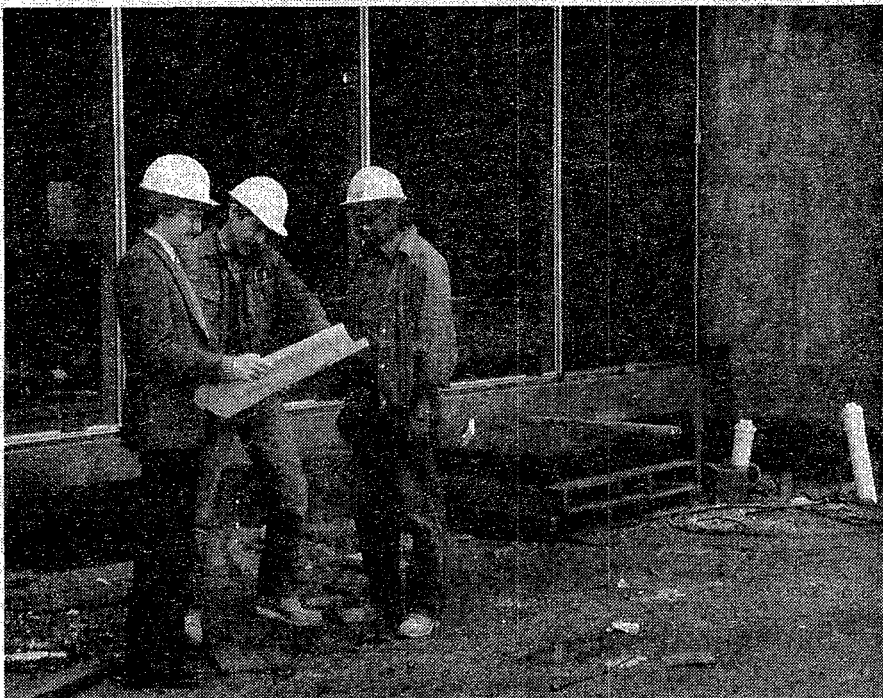
Total Quality Control

\$170

This one-day seminar expands on Manufacturing Excellence (CPIC 903). Emphasis will be on Total Quality Control Principles and the problem-solving process which includes total employee involvement, flow charting, cause/effect diagrams, defect check lists, Pareto charts and the four whys. It is a companion seminar to Manufacturing Excellence because the ME process (Just-in-Time Manufacturing) uncovers the problems and TQC provides the tools to solve them.

June 19	Wed	TBA	CRN 57941
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OPERATIONS MANAGEMENT SENIOR CERTIFICATE PROGRAM FOR TRADESPERSONS



Are you . . . bright? motivated? a skilled tradesperson with TQ or equivalent? a leader who needs management training?

Have you got what it takes? If you can answer yes to all of these questions *then* we have the training program for you.

The Program

BCIT Operations Management's new Senior Certificate Program for Trades offers all the expertise for which BCIT is famous. It has been designed specifically for the experienced, qualified tradesperson who wants to move into management/administration of a trades-based business.

It offers state-of-the-art training in production planning, inventory control, project planning and scheduling, maintenance planning, computers for business and engineering, and general business management.

The Schedule

This is a nine-month full-time program beginning September 1991.

Career Opportunities

Graduates from this program will be qualified for exciting careers as:

- Project managers
- Maintenance superintendents
- Operations managers
- Buyers
- Materials administrators
- Production planners
- Inventory control administrators
- Technical salespersons

Sponsorship

This program may qualify for sponsorship by the Workers' Compensation Board Rehabilitation program and the Unemployment Insurance Retraining Program. For more information contact your local Canada Employment Centre or the WCB.

Employers

This is your opportunity to realize your employees' potential by taking advantage of this accelerated training program.

Certificate, Diploma, Degree

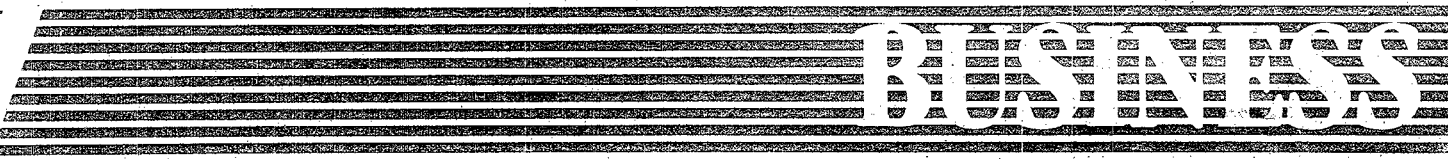
Graduates from this program will earn credit toward a National Diploma of Technology program at BCIT. Diploma graduates may continue their education towards a Bachelor's Degree through the B.C. Open Learning Institute.

Information

All qualified applicants will be interviewed. For more information and an appointment please contact the Operations Management Department at 432-8385 or Student Services at 434-3304. Out-of-town enquiries, please use our HOTLINE: 1-800-242-0676.

**REGISTER
BY FAX
430-1331**

Classes start week of
April 8



ENGINEERING TECHNOLOGY

ADVANCED DIPLOMA PROGRAMS PROVE POPULAR IN INDUSTRY

BCIT's new Advanced Diploma programs are a direct response to an ever-increasing market of adult learners, says Sandy McGeachan, Director of Engineering Technology, Part-time Studies. Two of the new programs began in September, 1990 and four more are planned for next September.

A survey undertaken last year by the Applied Science Technologists and Technicians of B.C. indicated that there were 15,000 technologists in B.C. who would be interested in taking further education, McGeachan says. But full-time study is impossible for many. That's why BCIT's Advanced Diploma programs are being developed, for people who want to further their education while holding down a full-time job.

The two programs that were offered this fall have already attracted considerable interest from industry. The Computer Systems Software Development program has enrolled 16 students, who take courses and seminars during the evenings and weekends, as well as participating in one or two-day seminars and directed study projects.

According to Michael Lo, program head of Computer Systems Software Development, this is a "one-of-a-kind" practitioner-oriented program. This type of flexible programming, designed to match the job needs and family commitments of potential students already in the workforce, has never been offered before in Western Canada.

In addition to the Computer Systems Software Development program, several options in the field of Mechanical Technology are also being offered — Computer Assisted Drafting, Geographic Information Systems, Quality Assurance, Machine Vision and Advanced Manufacturing. In the Renewable Resources area, an advanced diploma program was begun in September in Natural Resource Management. Curricula is being prepared for next September's offering of Engineering Technology Management, Industrial Design and Engineering Analysis, Advanced Telecommunications and Environmental Science.

To enter the programs students must have either a two-year diploma in the field or considerable on-the-job experience. The programs will then allow students to upgrade their skills and to receive formal recognition for knowledge in their field, recognition which likely was not available when they were first students.

Many of the Advanced Diploma programs will also have "bridging" opportunities which will allow graduates to carry on with engineering or technology management degrees in Canadian universities.

STUDENT PROJECT AWARD JANUARY 1991

This project involved the design and development of a PC-base waveform generation system that allows users to design and generate custom analog or digital waveforms.

Designer: **Brian Remedios**

Project: **Arbitrary Waveform Generator**

Faculty Advisor: **Ron Jones**

Industry Sponsor: **Dr. Nick Burlinson**
UBC - Chemistry Department

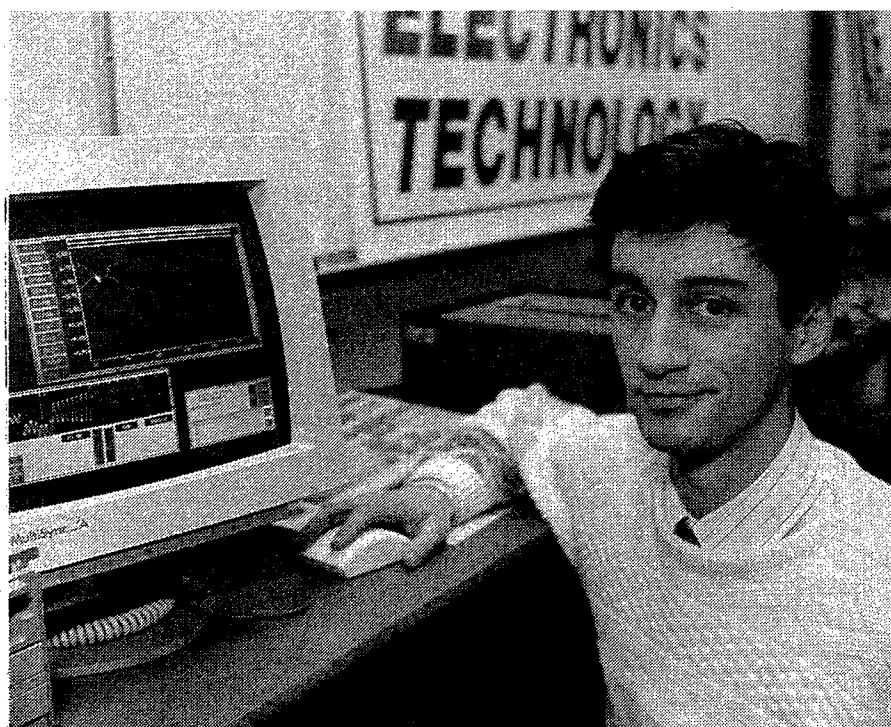
ENTRANCE AWARDS INCREASE BCIT ACCESSIBILITY

A new series of entrance awards, presented for the first time this fall, gave students a needed boost with their post-secondary goals. The President's Entrance Awards were granted to 39 high school students from all over the province who entered BCIT in September. The award is valued at a full year's tuition.

Seven of the awards were given to students entering a variety of disciplines in the School of Engineering Technology.

Two mature students entering the School of Engineering Technology were also given assistance by the Alumni Association's Alumni Entrance Awards. One student, studying Industrial/Technology Teacher Education, came to BCIT from Prince George; the other, from Port Hardy, is studying Biotechnology. Both awards will cover the costs of the students' tuition for the year.

Many other awards, both for entering students and for students already at BCIT, are donated annually by industry representatives around B.C. These awards are especially appreciated, not only by the students who receive them, but also by the School of Engineering Technology and BCIT, because they indicate the value industry places on BCIT graduates and the strong support of industry for the training BCIT offers.



ANNOUNCING . . .

THE ENGINEERING TECHNOLOGY ENTRY PROGRAM (ETE)

This is a 15-week day school program to provide academic upgrading to students wishing to enroll in an Engineering Technology Program at BCIT.

The Engineering Technology Entry Program, ETE, will provide courses in chemistry, communication, mathematics and physics, which will meet the School of Engineering Technology prerequisites for entry into an Engineering Technology program.

The program also includes an introductory course in computer applications.

Who should take this program?

- Anyone who is missing 2 or more prerequisites for a BCIT Engineering Technology program.
- Anyone who wants a solid academic preparation, plus an introduction to computer applications, before entering an Engineering Technology program.
- Anyone who would like to be provisionally accepted into an Engineering Technology program while obtaining the required entry qualifications.

What exactly does the ETE program include?

The complete ETE program consists of the following 5 courses:

- Introductory Applied Chemistry (6 hours/week)
- Introductory Communication and Learning Skills (6 hours/week)
- Introductory Technical Mathematics (7 hours/week)
- Introductory Applied Physics (7 hours/week)
- Computer Literacy (3 hours/week)

Students may choose not to take either the physics or the chemistry course if that course is not a prerequisite for the technology program in which they plan to enroll.

Is there a seat guarantee into an Engineering Technology program?

If you apply to your preferred Engineering Technology program when you start the ETE program, you may be provisionally accepted. Upon satisfactory completion of the ETE courses, you will be accepted into your selected program in the next intake.

To be accepted into some high demand or limited enrollment technologies, it is best to enroll as early as possible into the ETE program.

What do I need to enroll in this program?

To be eligible for the ETE program, you require:

- English 11, and
- either Algebra 11 or Mathematics 11.

Where can I find more details about the ETE program?

For further information, call Student Services at (604) 434-3304. Toll free: 1-800-242-0676.

INTERMEDIATE CERTIFICATE OF TECHNOLOGY IN NONDESTRUCTIVE TESTING

This program provides the graduate with the academic training required to obtain CGSB Certification and industry employment as an NDT Technician in Radiographic, Ultrasonic, Magnetic Particle, Liquid Penetrant and/or Eddy Current Testing. The program offers BCIT courses in Nondestructive Testing, Metallurgy, Mathematics, Technical Communications and Quality Assurance. This program is a concentrated 18 week full-time format. For further information phone Bob Pike - 434-5734 (Loc. 5769) or Wayne Irvine - 432-8326.



LANDSCAPE HORTICULTURE PROGRAM GETS A FACE-LIFT

Students in the two-year Landscape Horticulture program at BCIT noticed a number of changes in their program when they returned this September. During the spring, faculty had been working closely with the horticulture industry and BCIT's Learning Resources to review the curriculum.

Thirteen industry representatives worked with the BCIT faculty on the curriculum, including Bruce McTavish of the B.C. Nursery Trades Association, Jim Marsh, a member of the B.C. Parks Association, and Patrick Mooney, representing the B.C. Society of Landscape Architects.

As a result, many changes were made to the basic science courses in the program, making them more specific to the requirements of industry. Several new courses were also added, such as Small Business Management, Marketing, Computer Applications, Surveying for Landscaping, Estimating and Contract Administration, and Landscape Equipment.

A four-week compulsory practicum has also been added to the end of the both the first and second years of the program to ensure that all graduates have practical industry experience before they begin their first full-time job in landscape horticulture.

BCIT's program, the only two-year program in B.C., trains about a dozen graduates annually for employment with landscape maintenance and installation companies, greenhouses, garden centres, ornamental and forest tree seeding nurseries and parks departments.

PLASTICS SEMINAR DRAWS INDUSTRY INTEREST

The Plastics Technology program had the opportunity to host a seminar on MOLDFLOW for 18 local plastics industry representatives in June. MOLDFLOW is a computer-aided engineering software package used extensively in North America for injection mold simulation and analysis.

The Software package allows the designer to analyze on a computer screen the flow of plastic in a new mold design before it is built, so that any corrections and improvements required may be made. BCIT's Plastics Technology program acquired a site licence for this new technology and has been teaching it in the classroom since January.

Ross Nordin, representative of Strohn C.I.M. Systems Incorporated, the distributors of MOLDFLOW, conducted the seminar.

THANK YOU Hewlett-Packard (Canada) Ltd.

BCIT thanks Hewlett-Packard for your generous donation of seven Apollo workstations in support of our research efforts in the field of environmental protection.



John Watson, BCIT president and Mr. Sami Zarzour, Branch General Manager, Hewlett-Packard, B.C.

AT BCIT, OUR GRADS ARE JOB READY!



BCIT is famous for — **Jobs on Graduation!** An added benefit is student social life.

In most programs students work together in sets, sharing experiences and forging lifetime friendships. When they're not studying, they have a variety of recreational and social activities to choose from.

The following programs are currently accepting registrations for September:

PLASTICS - This program emphasizes the environmentally wise use of plastics and is an ideal choice for creative, career-oriented men and women. Lots of job opportunities in this growing B.C. industry. Call Don Wilson at 432-8350 or Student Services at 434-3304 for more information.

SURVEYING & MAPPING - Survey technicians use electronic devices and computers to determine the shape, size and location of land masses with speed and precision. As BCIT offers the only program in B.C., our students get the pick of jobs upon graduation. Call Student Services at 434-3304.

PETROLEUM - Training in this versatile program opens the door to a wide range of opportunities at home and abroad. Your credentials will qualify you to work in the office, plant or field of the oil and gas industry, and just about any other process industry. The type of work available is just as varied. Starting salaries run at about \$2000 a month. Call 434-3304 or Don Campbell at 432-8326.

LANDSCAPE HORTICULTURE - Would you like to feel the wind in your face, help plants grow and flourish and generally improve the aesthetics of the environment? Then you need to investigate the great career potential available through this program. Environmentally conscious landscape design, construction, maintenance and marketing are emphasized, plus a solid grounding in business practices, including computer operation. For information call 434-3304.

FOOD TECHNOLOGY - Part of the Biological Sciences cluster of programs, this program produces graduates qualified to conduct chemical, physical and microbiological tests on food or supervise process operations within the food plant. Other opportunities are found in government labs and inspection services. For information call 434-3304.

WOOD PRODUCTS MANUFACTURING - This unique program, the only one of its kind in Canada, offers practical training for supervisors, technicians, marketing and sales people for B.C.'s #1 industry. Our grads are employed in mills throughout B.C. For more information call 432-8319 or 434-3304.

MINING - Like Petroleum grads, Mining grads qualify for a wide variety of interesting jobs on graduation. From exploration to production, from field to office, our grads employ their skills in geology, geophysics, geochemistry, surveying, sampling, assaying, mine planning, diamond drilling and computer applications, etc. High level of student financial assistance available for students in this program. For information call 434-3304 or 432-8323.

If you would like information on any of these programs, please fill out the coupon below and return it to Ms. Terry Suen, School of Engineering Technology, BCIT, 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2.

Please send me information on:

Name: _____

Address: _____

Postal Code: _____ Tel: _____

- | | |
|---------------|--------------------------|
| Plastics | <input type="checkbox"/> |
| Food Tech | <input type="checkbox"/> |
| Surveying | <input type="checkbox"/> |
| Wood Products | <input type="checkbox"/> |
| Petroleum | <input type="checkbox"/> |
| Mining | <input type="checkbox"/> |
| Landscape | <input type="checkbox"/> |



Above: John Watson, president of BCIT, left, shakes hands with Dave Krysak, president of G.E. Fanuc. Looking on at rear, from left to right: Manny Agostinbo, manager, Western Region, G.E. Fanuc, Michael Rhodes, Gescan representative, Keith Kien, manager, Automation Control, Gescan Ltd., Glenn Pellegrin, instructor, BCIT Electronics Technology.

THANK YOU G.E. Fanuc Canada Ltd. and Gescan Ltd.

for your donation of four Series 6 P.L.C.'s, four Series 90 P.L.C.'s and eleven software packages — total value over \$200,000. This valuable equipment will be well utilized by our students in the Electronics Technology at BCIT.

REGISTER NOW!

The Spring/
Summer term
begins April 8

Tel. 434-1610
FAX 430-1331

BCIT INSTRUCTOR WORKS ON CHUNNEL

It was the professional development leave of a lifetime! A chance to work on one of the greatest engineering projects in history . . . the linking of Britain to the continent via a 29.6 mile tunnel under the sea.

Two years ago, BCIT instructor Mike Boyle decided he wanted to be involved in the Channel Tunnel project in some capacity and wrote to several British engineering companies in the hope that he could be taken on as a contract consultant. One company responded by saying that if he paid his own airfare to Britain they would give him an interview. That interview ultimately led to employment with Mott MacDonald, the second largest engineering consulting company in Britain.

Hired as a senior contracts engineer to help in the management of the tunnel's design, Mike started work at the company's head office in Croydon in the spring of 1988.

"It was a stimulating, fast paced kind of life; like nothing I'd ever been involved in before." I carried out negotiations with the British contractors responsible for building the tunnel and worked with Mott MacDonald staff on budgeting, scheduling, etc."

Mike spent most of his time working in Croydon, only rarely visiting the tunnel site at Shakespeare Cliff in Dover.

"Access was restricted because of high security, but from the cliff you could see the scale of the project. At the base of the cliff a huge landbase has been created from the fill being taken out of the tunnel. Access to the tunnel is through an adit which looks just like a small hole in the base of the cliff. The tunnel at this point is about 35 metres below sea level." (Imagine standing on top of a ten storey office building and looking at the ground below and you'll get an idea of how far that is).

At its deepest the tunnel is about 120 metres below sea level.

Over 5000 people have been involved in the construction of the tunnel but there are usually only ten to 20 people actually involved with the tunnel boring machines at the tunnel face.

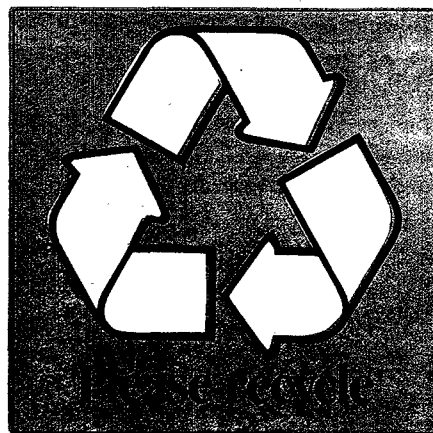
Mike, as senior civil engineer, spent a year involved in design management and another year on part of the Channel Tunnel rail link — the controversial part through central London and the Kent countryside.

"We had to prepare detailed engineering studies of the routing which went 50k south through London to Swanley. The job was extremely interesting. I was working with everyone, from civil engineers to the general public and politicians. The public groups were opposed to the possible noise, vibration and construction problems in the London part of the rail link and about the loss of countryside in the Kent section so there was a lot of press interest."

Although the eight month study was never actually implemented (costs were thought too prohibitive), Mike says he was not disappointed. "It is not uncommon to have studies of this type postponed or cancelled. The experience I gained from all the consultation more than made up for it."

Since returning to Canada in February last year, Mike has largely lost touch with the project that dominated his life for two years, although he knows that financial backing for the privately funded project has run into difficulties. When it started, six months behind schedule in 1988, the price tag on the tunnel was \$11 billion. According to Mike, that amount is now closer to \$15 billion.

Mike, a professional engineer with 20 years experience in civil engineering, ranging from tailings dams to highways, says the tunnel experience has given him a whole new level of expertise in . . . you guessed it . . . the technology of tunnelling. He has used the experience in teaching construction planning to BCIT Civil and Structural students and more recently in his work as acting program head of Transystems, a small department within the School of Engineering Technology responsible for delivering 90 correspondence courses in civil technology (relating to highway survey, design and construction) to private/public sector customers across Canada. Mike joined BCIT in 1985.



YOU CAN GET INTO

YOU CAN ENROL . . .

In these Academic Studies courses/programs which satisfy BCIT's technology program entrance requirements:

- The Engineering Technology Entry (ETE) Program
- Pre-entry Courses

In order to enrol in Pre-entry courses or the ETE program, you must have completed English 11 and either Algebra 11 or Math 11. The ETE program and the pre-entry courses are non credit and are equivalent to:

Chemistry 11	Math 12
English 12	Physics 11

Or you can enrol in our REFRESHER COURSES if you already have the necessary prerequisites but want to "brush up."

Financial Aid

Full-time students enrolling in the ETE Program are eligible to apply for up to \$3,570 in B.C. Student Assistance (\$5,355 if the student has dependent children). Students completing pre-entry courses on a part-time basis can apply for Adult Basic Student Assistance to cover tuition fees. Those registering for part-time pre-entry and refresher courses are eligible to apply for BCIT Part-time Bursaries. All these types of financial aid are based on an evaluation of the student's financial need. Further information and applications are available from the BCIT Financial Aid and awards office: 2nd floor 1A Building, northwest corner. Telephone 432-8555.

ENGINEERING TECHNOLOGY ENTRY PROGRAM (ETE)

If you want a 15-week, full-time program, this is for you. It is offered during the day at the Burnaby campus of BCIT three times a year starting in January, May and September.

It includes four courses which are equivalent to the secondary school courses you may need to enrol in technology programs, plus a computer literacy course:

Chemistry 010	- 6 hrs/wk
Communication 010	- 6 hrs/wk
Math 005	- 7 hrs/wk
Physics 010	- 7 hrs/wk
Computer Literacy 001	- 3 hrs/wk
Total	29 hrs/wk

Tuition: Same as one term of full-time day school programs.

Information

For more information on the ETE full-time program, please call BCIT Student Services Telephone 434-3304 (local). 1-800-242-0676 (out of town calls only).

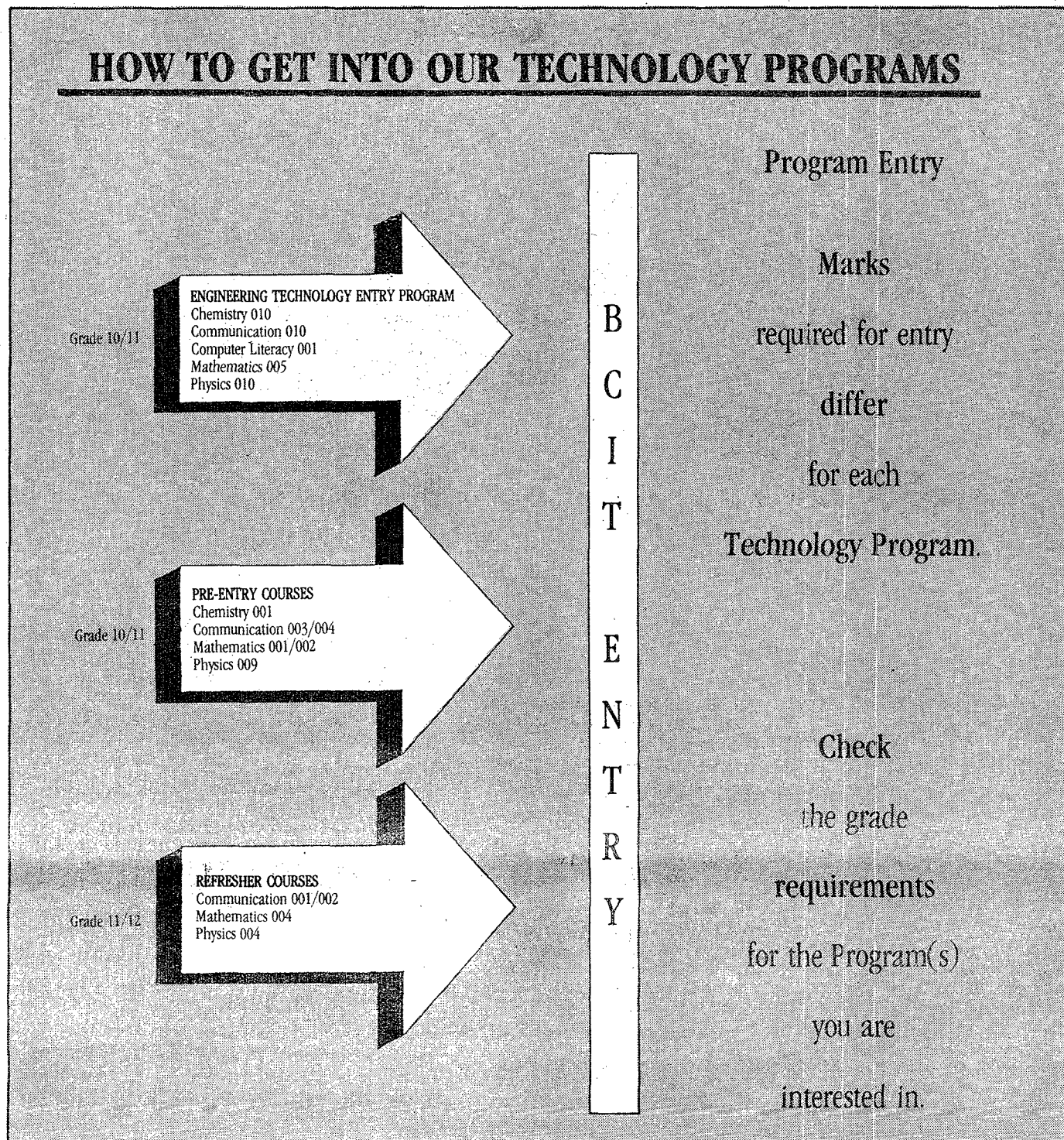
For information and fees on the Pre-entry and Refresher courses, please telephone 434-1610 or consult our tabloids published in the fall, winter and spring.

Academic Studies Division, BCIT, 3700 Willingdon Avenue, Burnaby, British Columbia, Canada V5G 3H2

Prerequisites

Please note: All BCIT Technology programs require High School graduation.

HOW TO GET INTO OUR TECHNOLOGY PROGRAMS



REFRESHER COURSES

These are part-time courses offered throughout the year at our Burnaby campus. Please check our tabloids issued in the fall, winter and spring, for details of class schedules, etc.

Communication 001	- 24 hrs
Communication 002	- 24 hrs
Mathematics 004	- 30 hrs
Physics 004	- 30 hrs

Refresher Courses do not meet BCIT entrance requirements but are intended for refresher needs only.

REGISTER NOW!
434-1610

Classes start week of April 8

PRE-ENTRY COURSES

If you can't attend BCIT full-time or only require one or two prerequisite courses for admission, then these are for you. They are offered at the Burnaby campus during the evening (or mornings or afternoons during the summer, or, in some cases, by correspondence).

The pre-entry courses which are equivalent to Grade 11 or 12 courses for entry into BCIT programs are:

CHEM 001	Meets Chemistry 11 entrance requirement. (72 hrs)
COMM 003	Meets English 12 entrance requirement. (80 hrs)
COMM 004	Meets English 12 entrance requirement for students whose first language is not English. (80 hrs)
MATH 001	Meets Math 12 entrance requirement. (90 hrs)

or
MATH 002 Correspondence.
PHYS 009 Meets Physics 11 entrance requirement. (93 hrs)

PHYSICS

PHYS 004

Refresher Physics

\$102

For those who have met the Physics 11 prerequisite for their BCIT programs, but who have not applied the concepts for more than one year and need to brush up their skills. THIS COURSE IS NOT A SUBSTITUTE FOR PHYS 009. Covers kinematics, dynamics, mechanical energy, electricity and optics, with emphasis on problem-solving. Prerequisite: Physics 11 or equivalent.

Aug 19 Mon-Fri 2 wks BBY CRN 69397
0900-1200

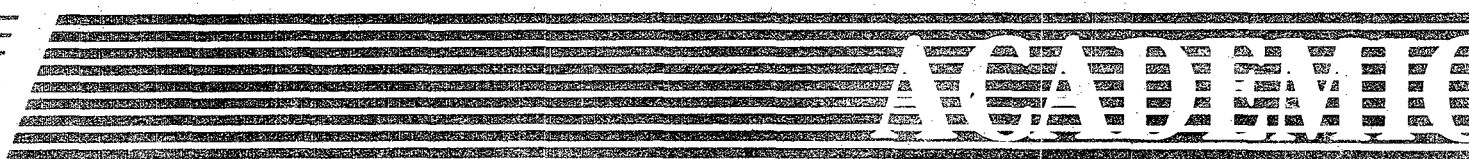
PHYS 009

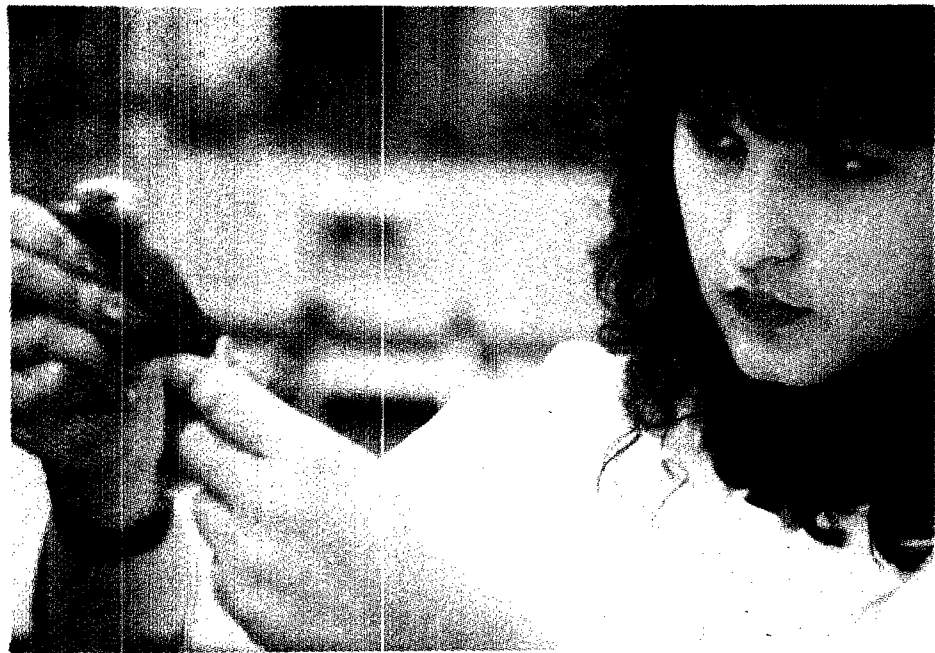
Pre-entry Physics

\$295

Meets Physics 11 entrance requirement for BCIT programs. Prerequisite: You are advised to complete any necessary mathematics upgrading courses before taking PHYS 009.

Jul 08 Mon-Fri 7 wks BBY CRN 66047
0900-1200 69720





CHEMISTRY

CHEM 001
Pre-entry Chemistry 1 \$265
An upgrading or refresher course for those whose background in chemistry is weak. Meets Chemistry 11 entrance requirement for BCIT programs.
Apr 09 Tues/Thurs 12 wks BBY CRN 51984 1845-2145
Jul 15 Mon-Fri 5 wks BBY 67874 0900-1200

MATHEMATICS

MATH 001
Technical Math: Introduction \$295
Meets the Math 12 entrance requirement for BCIT programs. Prerequisite: C or better in Math 11, or equivalent.
Apr 22 Mon/Wed 15 wks BBY CRN 42169 1845-2145 44302
May 27 Mon-Fri 6 wks BBY 49677 0900-1200
Jun 24 Mon-Fri 6 wks BBY 49686 1300-1600

MATH 004
Refresher Mathematics \$102
For those who have met the math prerequisite for their BCIT program, but who have not used basic math techniques for several years. THIS COURSE IS NOT A SUBSTITUTE FOR MATH 001. Covers common algebraic methods for solving equations, simplifying expressions, manipulating formulas, basic trigonometry, graphing properties of common geometric figures, techniques for solving problems. Prerequisite: Math 12 or equivalent.
Aug 19 Mon-Fri 2 wks BBY CRN 69401 1300-1600

MATH 101
Technical Math 1: Trigonometry \$171
Right angle trigonometry; radian measure; vector and triangle problems; trigonometric identities, equations, graphing and inverse functions; polar coordinates; compound and double angle formulas. Prerequisite: C+ or better in Math 12; or a minimum 65% in MATH 001.
Apr 10 Wed 12 wks BBY CRN 43335 1845-2145

MATH 102
Technical Math 2: Logarithms and Analytic Geometry \$171
Plotting; interpretation and uses of logarithmic/semilogarithmic graphs; geometrical and practical properties of conic sections; polar/rectangular transformations. Prerequisite: C+ or better in Math 12; or a minimum 65% in MATH 001.
Apr 11 Thurs 12 wks BBY CRN 43341 1845-2145

TECHNICAL COMMUNICATION

TCOM 114
Technical Writing for Electronics \$301
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.
Apr 23 Tues/Thurs 9 wks BBY CRN 42140 1800-2100
Jul 06 Sat 10 wks BBY 69612 0900-1430

TCOM 214
Technical Writing for Electronics \$301
Learn to prepare a professional job search package; practice interview skills; write informal reports; learn techniques and formats for writing documentation. Prerequisite: TCOM 114 or equivalent.
Apr 20 Sat 10 wks BBY CRN 52688 0900-1430
Jul 06 Sat 10 wks BBY 69603 0900-1430

COMMUNICATION

COMM 001
Effective Writing \$94
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.
Jul 10 Wed 6 wks BBY CRN 66036 0900-1300

COMM 002
Independent Learning Skills \$94
Learn how to read efficiently, cope with assignments, use computer-managed learning packages, study independently, take exams successfully, manage your time.
Jul 11 Thurs 6 wks BBY CRN 66139 0900-1300

COMM 003
Comprehensive Reading, Writing and Learning Skills \$290
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.
Apr 15 Mon/Wed 10 wks BBY CRN 54895 1800-2200
Apr 16 Tues/Thurs 10 wks BBY 51942 1800-2200
Jul 15 Mon-Fri 4 wks BBY CRN 66121 0830-1230 68833 70091

COMM 004
Technical English for Second Language Students \$290
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.
Apr 15 Mon/Wed 10 wks BBY CRN 51950 1800-2200
Apr 16 Tues/Thurs 10 wks BBY 51968 1800-2200 57611
Jul 15 Mon-Fri 4 wks BBY CRN 68825 0830-1230 69736 66142

COMM 160
Intro to Business and Technical Communication \$171
Practical techniques for planning, organizing, selecting and presenting information for a business or industry environment. Routine memos, instructions, procedures, summaries and oral presentations.
Apr 09 Tues 12 wks DEC CRN 51885 1700-2000
Apr 15 Mon/Wed 6 wks BBY 43747 1845-2145
Jul 09 Tues/Thurs 6 wks BBY 68268 0900-1200

COMM 171
Business Reports \$171
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.
Apr 10 Wed 12 wks DEC CRN 43754 1700-2000

COMM 175
Business and Technical Correspondence \$171
Improve your writing capabilities at work. Covers several types of memos and letters commonly used in the office including requests, complaints, sales and job applications. Preparation and revision of resumes using different formats.
Apr 23 Tues/Thurs 6 wks BBY CRN 42152 1845-2145

COMM 183
Technical Reports \$171
Emphasizes written skills needed when solving engineering problems. Comparison and feasibility reports, technical proposals, journal reviews, executive summaries, graphics, formal report format.
Apr 22 Mon 12 wks BBY CRN 51915 1845-2145

COMM 196
Writing Manuals for the Computer Industry \$125
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.
Apr 22 Mon/Wed 3 wks BBY CRN 51921 1845-2145

COMM 900
English Fundamentals \$171
Sentence structure, word choice, common grammatical problems, techniques for listing, paragraph structure and simple presentation strategies for students whose first language is English.
Apr 11 Thurs 12 wks BBY CRN 49406 1845-2145

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 \$237
Equivalent to MATH 001. Meets Math 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.) Prerequisite: C or better in Math 11 or equivalent.

MATH 122
Logarithms \$133
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. Prerequisite: MATH 001 or equivalent.

MATH 123
Trigonometry \$173
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. Prerequisite: C+ or better in Algebra 12 or Math 12; or a minimum 65% in MATH 001 or equivalent.

MATH 124
Analytic Geometry \$133
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. Prerequisite: MATH 001 or equivalent.

MATH 221
Calculus: Part 1 \$186
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. Prerequisite: MATH 122, 123, 124 or equivalent.

MATH 222
Calculus: Part 2 \$186
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. Prerequisite: MATH 221 or equivalent.

MATH 227
Calculus: Part 3 \$186
Differentiation and integration of trigonometric, logarithmic and exponential functions. Prerequisite: MATH 222 or equivalent.

PHYS 135
Physics 1 Modified \$270
Designed primarily to meet the needs of full-time students who have failed their physics course and must pick it up. Course content is selected from physics topics in order to satisfy requirements of individual, specific technologies. Applicant must have coordinator approval to register. Prerequisite: Math 12, Physics 11 or equivalent.

PHYS 136
Physics 1 \$313
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, thermal energy. Prerequisite: Basic mathematics, plane trigonometry and algebra. Must seek approval to register in course.

PHYS 235
Physics 2 Modified \$270
Designed primarily to meet the needs of full-time students who have failed their physics course and must pick it up. Course content is selected from physics topics in order to satisfy requirements of individual, specific technologies. Applicant must have coordinator approval to register. This is a second level course.

PHYS 236
Physics 2 \$313
Equivalent to PHYS 231/232 theory only. Wave motion; sound and light sources; propagation and reflection of light; refraction and dispersion; interface and diffraction; illumination and color; electrostatics; direct and alternating current; magnetism; atomic and nuclear physics. Prerequisite: PHYS 136 or equivalent and a working knowledge of algebra, trigonometry and calculus. Must seek approval to register in course.

BUILDING

BLDG 253

B.C. Building Code: Housing \$171
Gives students a working knowledge of Part 9 of the 1987 Building Code for housing. Gives a basic understanding of plan checking, building inspection and acceptable materials, systems and methods used in housing construction.

Apr 10 Wed 12 wks BBY CRN 47171

BLDG 258

Computer Applications in Building Technology 1 \$214
Applications in construction estimating, cost control and accounting on IBM computers using Lotus 1-2-3. Prerequisite: An understanding of building construction estimating and costing.

Apr 11 Thurs 12 wks BBY CRN 58601

BLDG 351

Drafting and Design 3: Architectural Design \$340
Studies specific aspects of design principles, design problem resolution, client statement of needs, design vocabulary and delegation of directions. Prerequisite: BLDG 251.

Apr 09 Tues/Thurs 12 wks BBY CRN 43440

BLDG 353

B.C. Building Code: General \$171
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.

Apr 10 Wed 12 wks BBY CRN 47185

BLDG 454

Project Management: Construction Management \$171
Operation of a construction company's main office. Topics include cost control of construction operations, communication and coordination of site work, project completion procedures and controls. Prerequisite: Some knowledge of building construction.

Apr 09 Tues 12 wks BBY CRN 51718

BLDG 456

Construction Estimating 3 \$171
Preparation of estimate summaries and bids or proposals to owners or clients. Construction cost accounting. Prerequisite: BLDG 356.

Apr 11 Thurs 12 wks BBY CRN 43353



**REGISTER
BY FAX
430-1331**

Classes start week of
April 8



CIVIL AND STRUCTURAL TECHNOLOGY

CIVL 104

Construction Materials Testing Fundamentals \$158
A laboratory oriented course to familiarize students with lab and testing procedures for construction materials. Prerequisite to CIVL 109, 110, 169.

Apr 10 Wed 10 wks BBY CRN 47507

CIVL 120

Introduction to Public Works Operations \$140
Introductory course to identify and explain many of the activities related to the construction, operation and maintenance of municipal roads and utilities. On completion, students will be eligible to continue with a more in-depth training program in sewers, water mains or roadworks courses.

May 01 Wed 6 wks BBY CRN 57402

CIVL 159

Hydrology 1 \$113
An introduction to the terminology, concepts and fundamentals of hydrology as related to the Engineering technologies.

Apr 11 Thurs 8 wks BBY CRN 48106

CIVL 175

Introduction to Highways \$147
An Introduction to the basic elements of highway and street design based on topographic mapping and geometric design standards. Prerequisite: MECH 140 or basic drafting ability or departmental approval.

Apr 09 Tues 10 wks BBY CRN 47515

CIVL 274

Estimates and Contracts for Heavy Construction 2 \$171
Allows students to gain further experience in the preparation of estimates, and problems which arise in the administration of contracts for heavy construction jobs. Prerequisite: CIVL 173 or departmental approval.

Apr 09 Tues 10 wks BBY CRN 51720

CIVL 278

Municipal Services 1 \$147
The detail design of storm and sanitary gravity sewer systems and municipal water distribution networks. Prerequisite: CIVL 273 and 315 or departmental approval.

Apr 10 Wed 10 wks BBY CRN 48119

CIVL 314

Urban Street Design \$171
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. Prerequisite: CIVL 175, 208.

Apr 09 Tues 12 wks BBY CRN 58365

CIVL 350

Stress Analysis 2 \$147
A more advanced examination of stress and strain in timber, steel and concrete from a civil engineering analysis and design viewpoint. Prerequisite: CIVL 250.

Apr 11 Thurs 10 wks BBY CRN 48122

CIVL 483

AutoCAD 2 for Civil Engineering \$285
Advanced civil engineering adaptations to AutoCAD employing LISP and drawing exchange files. Prerequisite: CIVL 393 or departmental approval.

Apr 11 Thurs 12 wks BBY CRN 47498

CHSC 901 \$925 1991 Pulp and Paper Technology Summer Institute

The 1991 BCIT Pulp and Paper Technology Summer Institute presents an overview of the Pulp and Paper industry. The program will include about 30 speakers from the industry who will discuss the basics of Pulp and Paper Manufacturing together with current innovations in technology. The discussion will be directed primarily at the principles and methods of manufacture consistent with the theme of this seminar "Development of High Tech Skills in The 1990's". Emphasis will be given to subjects such as environmental legislation, zero effluent technology, fibre recycling, improved utilization and new technology. Other features of the technical program include: Kraft and CTMP mill tours, and one half-day session on Technical Training. Early registration is recommended.

Jun 09-14 Sun-Fri 1 wk Nanaimo - Coast Bastion Inn

**FOR REGISTRATION AND ENQUIRIES
CALL GORDON HARRIS AT 435-1908.**

CHEMICAL SCIENCES

CHSC 170

NDT Ultrasonics Level 1 \$544
Meets the requirements of CGSB Standard 49-GP-7M, condition (b) for classroom training. (Maximum capacity 10.)

Jun 10 Mon-Fri 1 wk BBY CRN 50316

CHSC 172

NDT Magnetic Particle and Liquid Penetrant \$544
Meets CGSB Standard 48-GP-8M and 9M condition (b) Levels 1 and 2.

May 27 Mon-Fri 1 wk BBY CRN 47160

CHSC 176

NDT Eddy Current Level 1 \$294
Meets classroom training requirements as stipulated in CGSB Standard 48-GP-13M for Level 1.

Jun 03 Mon/Tues 2 days BBY CRN 51823

CHSC 270

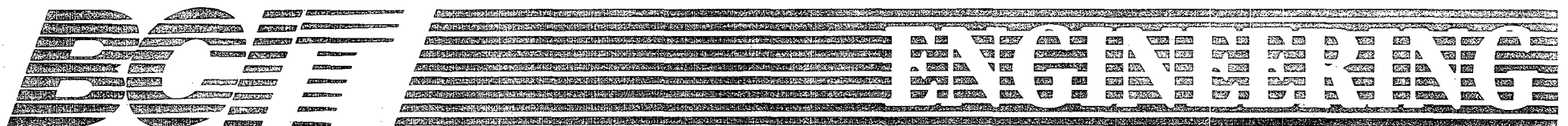
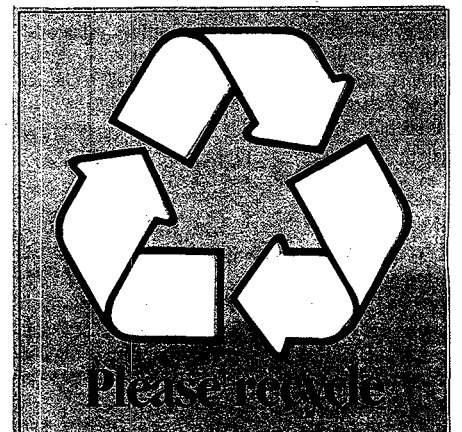
NDT Ultrasonics Level 2 \$544
Meets the requirements of CGSB Standard 48-GP-7M, condition (b) for classroom training. (Maximum capacity 10.) Prerequisite: CHSC 170 or be a certified Level 1 operator.

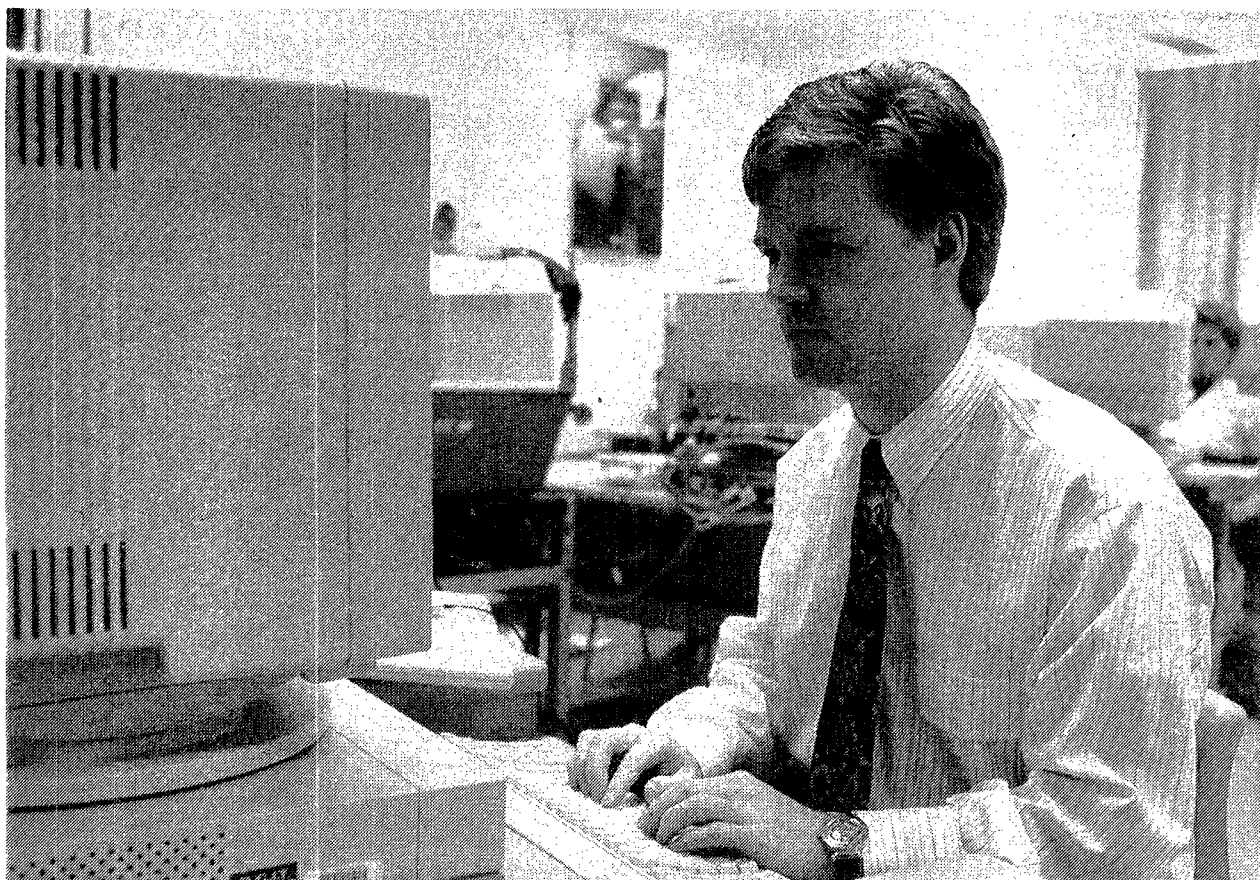
Jun 10 Mon-Fri 1 wk BBY CRN 56804

CHSC 276

NDT Eddy Current Level 2 \$294
Meets classroom training requirements as stipulated in CGSB Standard 48-GP-13M for Level 2. Prerequisite: CHSC 176 or be a certified Level 1 operator.

Jun 05 Wed/Thurs 2 days BBY CRN 51837





COMPUTER AIDED ENGINEERING



Computer Aided Engineering is an AutoCAD Authorized Training Centre.

NOTE: (DOS) or (UNIX) under course date indicates whether the course will be scheduled in a DOS or UNIX lab environment.

AICO 213
AutoCAD 1 **\$285**
Microcomputer-based CAD using the latest release of AutoCAD software. An introduction to the AutoCAD workstation including basic drawing creation and manipulation. Prerequisite: Basic engineering graphics.

Apr 06 Sat	6 wks	DEC	CRN 42332
(DOS)			
Apr 06 Sat	6 wks	BBY	45766
(UNIX)			
Apr 08 Mon-Fri	1 wk	BBY	58448
(DOS)			
Apr 08 Mon-Fri	1 wk	DEC	45880
(DOS)			
Apr 09 Tues	12 wks	BBY	46576
(UNIX)			
Apr 09 Tues	12 wks	DEC	58430
(DOS)			
Apr 10 Wed	12 wks	BBY	49548
(DOS)			
Apr 11 Thurs	12 wks	DEC	47114
(DOS)			
Apr 11 Thurs	12 wks	BBY	49556
(DOS)			
Apr 15 Mon-Fri	1 wk	BBY	49575
(DOS)			
Apr 22 Mon-Fri	1 wk	DEC	49567
(DOS)			
Apr 29 Mon-Fri	1 wk	BBY	49594
(UNIX)			
May 06 Mon-Fri	1 wk	BBY	49581
(UNIX)			
May 13 Mon-Fri	1 wk	DEC	50146
(DOS)			
May 25 Sat	6 wks	BBY	53305
(DOS)			
May 27 Mon-Fri	1 wk	BBY	53318
(DOS)			
Jun 03 Mon-Fri	1 wk	DEC	53320
(DOS)			
Jun 17 Mon-Fri	1 wk	BBY	53336
(DOS)			

One week sessions 0900-1700.

AICO 214
AutoCAD 2 **\$285**

A continuation of AICO 213 with the focus on increasing production by customizing the system. Class assignments may be tailored to discipline areas depending on student background. Prerequisite: AICO 213 or equivalent.

Apr 06 Sat	6 wks	BBY	CRN 56392
(DOS)			
Apr 09 Tues	12 wks	BBY	45486
(DOS)			
Apr 11 Thurs	12 wks	BBY	45757
(UNIX)			
Apr 22 Mon-Fri	1 wk	BBY	58412
(DOS)			
Apr 29 Mon-Fri	1 wk	DEC	45904
(DOS)			
May 13 Mon-Fri	1 wk	BBY	58429
(UNIX)			
May 25 Sat	6 wks	BBY	47947
(UNIX)			
May 25 Sat	6 wks	DEC	53347
(DOS)			
Jun 10 Mon-Fri	1 wk	DEC	53354
(DOS)			
Jun 24 Mon-Fri	1 wk	BBY	54591
(DOS)			

One week sessions 0900-1700.

AICO 218
AutoCAD AEC (Architectural) **\$285**
Emphasizes the production of 2D/3D drawings for the architectural environment. Using AutoCAD AEC software, the student will progress from basic drawings to the generation of more advanced projects using customized AEC templates. Prerequisite: AICO 213.

Apr 11 Thurs	12 wks	BBY	CRN 47123
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AICO 220
SmartCAM **\$285**
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.

Apr 09 Tues	12 wks	BBY	CRN 42387
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AICO 225
AutoCAD 3 **\$150**
An introduction to the 3D capabilities of AutoCAD. Covers the fundamentals of 3D construction, surface generation and shading using AutoSHADE. Prerequisite: AICO 214.

Apr 08 Mon	6 wks	BBY	CRN 51736
May 27 Mon	6 wks	BBY	51747

AICO 522
Introduction to C Programming **\$285**

Emphasis is on structured programming techniques in a UNIX environment. Especially of interest to AutoCAD users as AutoCAD Release 11 will include ADS: the AutoCAD Development System. ADS allows users to write powerful applications in the "C" programming language and use them inside the AutoCAD drawing editor.

Apr 08 Mon	12 wks	BBY	CRN 51763
Apr 11 Thurs	12 wks	BBY	51754

AICO 523
Data Structures in "C" **\$285**

A continuation of AICO 522. "C" software techniques with emphasis for CAD and GIS users. Examples and problems based on file translation, 2D and 3D graphics, windows and image processing using structured code and libraries. Prerequisite: AICO 522 or equivalent experience.

Apr 08 Mon	12 wks	BBY	CRN 51772
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UNIX

AICO 530
Introduction to UNIX **\$150**

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.

Apr 08 Mon-Wed	2.5 days	BBY	CRN 56488
Apr 08 Mon	6 wks	BBY	56464
Apr 09 Tues	6 wks	BBY	56503
Apr 10 Wed-Fri	2.5 days	BBY	56529
May 21 Tues	6 wks	BBY	56512
May 27 Mon	6 wks	BBY	56470
Jun 03 Mon-Wed	2.5 days	BBY	56497
Jun 05 Wed-Fri	2.5 days	BBY	56530

AICO 531
UNIX Shell Script Programming **\$285**

A continuation of AICO 530. Topics include shell script programming using the Bourne, Korn and C shell. Prerequisite: AICO 530.

Apr 10 Wed	12 wks	BBY	CRN 56435
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AICO 535
UNIX System Management **\$425**

Reviews UNIX operating system commands and provides an introduction to system management. Topics include account management, system backup, startup and shutdown procedures, system accounting and system security. Taught on workstations using a hybrid system V/BSD UNIX OS. Prerequisite: AICO 530 or equivalent industry experience.

Jun 17 Mon-Fri	1 wk	BBY	CRN 56441
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AICO 712
CAD Customization Using AutoLISP **\$285**

An introduction to AutoLISP programming. In addition to the concepts of AutoLISP programming the student will be required to develop applications in parameterizing drawings, user defined commands and interfaces with the drawing file database. Prerequisite: AICO 214 or equivalent.

Apr 09 Tues	12 wks	BBY	CRN 58456
Apr 10 Wed	12 wks	BBY	58467
Jul 22 Mon-Fri	1 wk	BBY	70115

AICO 718
CAD Customization in Micro Station **\$285**

An introduction to user command programming. In addition to the concepts of user command programming, the student will be required to develop applications in parameterized drawings and interface with the drawing file database. Prerequisite: CDCM 311 or CDCM 215 and 216.

Apr 08 Mon	12 wks	BBY	CRN 58045
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AICO 751
Image Acquisition **\$285**

Provides an introduction to the use of Machine Vision systems using state-of-the-art techniques and equipment. Emphasis is on the use of the hardware required for capturing, transmitting and storing images. Prerequisite: Department approval.

Apr 10 Wed	10 wks	BBY	CRN 58494
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AICO 814
Advanced AutoLISP **\$285**

An advanced course in AutoLISP programming. Topics will include: database manipulations, DXF and DXB file creation and an introduction to C interfaces with AutoCAD. Prerequisite: AICO 712 or AICO 312 or equivalent.

Apr 08 Mon	12 wks	BBY	CRN 58475
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AICO 819
Advanced CAM Applications **\$285**

Acquaints the student with advanced multi-axis machining including 3D surface applications. A number of CAM software packages including SmartCAM 3D are utilized. Prerequisite: AICO 508 or AICO 220 or equivalent.

Apr 11 Thurs	12 wks	BBY	CRN 58481
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AICO 901
AutoCAD Release 11 Update **\$99**

An introduction to the new features of AutoCAD Release 11. Topics include: audit and recovery of damaged files, menu structure, tablet swapping, wildcard matching, model and paper space, text placement and editing, dimensioning and dimension styles, and external references. Prerequisite: AICO 213 or equivalent.

Apr 06 Sat	1 day	BBY	CRN 58506
Apr 13 Sat	1 day	BBY	58519
Apr 20 Sat	1 day	BBY	58522
Jun 15 Sat	1 day	BBY	58535
Jun 22 Sat	1 day	BBY	58541
Jun 29 Sat	1 day	BBY	58553

INTERGRAPH

CDCM 215
Micro-Station Intergraph 1 **\$285**

Rudiments of computer aided design. Machine log-on procedures, simple 2D drawings. Stress on orthographic projections, dimensioning and text. Prerequisite: MECH 140 or other appropriate graphics experience.

Apr 09 Tues	12 wks	BBY	CRN 48816
May 06 Mon-Fri	1 wk	BBY	48827

CDCM 216
Micro-Station Intergraph 2 **\$285**

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

Apr 10 Wed	12 wks	BBY	CRN 49529
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**REGISTER
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434-1610**

**Classes start week of
April 8**



COMPUTER SYSTEMS

NOTE: Course fee does not normally include texts or supplies.

COMP 901

Computing for the Timid \$75
A 4-week course for those who have never used a computer and are afraid to.

Apr 08 Mon	4 wks	BBY	CRN 42221
Apr 13 Sat	2 wks	BBY	51483
Apr 14 Sun	2 wks	DEC	53753
May 06 Mon	4 wks	BBY	42446
Jun 10 Mon	4 wks	BBY	51438

GENERAL AND CERTIFICATE COURSES

COMP 104

Computers in Business \$171
For those not specializing in computers to familiarize them with terminology and concepts used in the computer industry. Prerequisite: COMP 126.

Apr 08 Mon	12 wks	BBY	CRN 43079
Jul 02 Tues/Thurs	6 wks	BBY	66173

COMP 107

Understanding PC/MS DOS \$107
Gives an in-depth knowledge of the PC/MS Disk Operating System (DOS) to those who feel they know nothing about a PC. Prerequisite: COMP 901 or equivalent.

Apr 08 Mon	6 wks	DEC	CRN 53260
Apr 09 Tues	6 wks	BBY	51082
Apr 10 Wed	6 wks	BBY	56038
Apr 11 Thurs	6 wks	BBY	51104
Apr 27 Sat	3 wks	BBY	51149
Apr 28 Sun	3 wks	DEC	53389
May 21 Tues	6 wks	BBY	51098
May 22 Wed	6 wks	BBY	56040
May 23 Thurs	6 wks	BBY	51128
May 27 Mon	6 wks	DEC	53271
Jul 02 Tues/Thurs	3 wks	BBY	68866

COMP 114

Word Processing Concepts \$75
Introduces the beginning student to the basic concepts of word processing using a microcomputer. Prerequisite: COMP 107.

Apr 08 Mon	4 wks	BBY	CRN 51161
Apr 09 Tues	4 wks	BBY	51187
May 18 Sat	2 wks	BBY	51213
May 26 Sun	2 wks	DEC	53391

COMP 115

Spreadsheet Concepts \$75
Introduces the beginning student to the basic concepts of spreadsheets by using a microcomputer. Prerequisite: COMP 107.

May 06 Mon	4 wks	BBY	CRN 51231
May 07 Tues	4 wks	BBY	51259
Jun 01 Sat	2 wks	BBY	51290
Jun 09 Sun	2 wks	DEC	53407

COMP 116

Microcomputer Database Concepts \$75
Introduces the beginning student to the basic concepts of microcomputer databases using a popular database package. Prerequisite: COMP 107.

Jun 04 Tues	4 wks	BBY	CRN 51322
Jun 15 Sat	2 wks	BBY	51364
Jun 10 Mon	4 wks	BBY	51319
Jun 23 Sun	2 wks	DEC	53415

COMP 126

Programming Concepts and Methodology \$214

Covers the principles and concepts of computer programming for those intending to become involved in the computer industry. Prerequisite: COMP 107, 114, 115, 116.

Apr 08 Mon	12 wks	BBY	CRN 51388
Apr 09 Tues	12 wks	BBY	54712
Apr 10 Wed	12 wks	BBY	51397

COMP 130

Assembler Programming Language Level 1 \$214

The 1st-level course of programming in Assembler on the IBM Mainframe computer. Prerequisite: COMP 126.

Apr 09 Tues	12 wks	BBY	CRN 43082
Jul 02 Tues/Thurs	6 wks	BBY	66168

COMP 137

C Programming Language Level 1 \$214
A 1st-level course of programming in C language including data types, control constructs and syntax. Prerequisite: COMP130/236.

Apr 08 Mon	12 wks	BBY	CRN 48023
Apr 11 Thurs	12 wks	BBY	45330
Jul 03 Wed/Mon	6 wks	BBY	68296

COMP 144

Assembler Microcomputer Programming Language: IBM PC Level 1 \$214

A 1st-level course in programming using the Assembler Language on the IBM PC microcomputer. Prerequisite: COMP 126.

Jul 02 Tues/Thurs	6 wks	BBY	CRN 66201
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COMP 145

BASIC Microcomputer Programming Language (IBM PC) Level 1 \$214

A 1st-level course which provides an understanding of MS QUICK BASIC as used on an IBM PC microcomputer. Prerequisite: COMP 126.

Jul 03 Wed/Mon	6 wks	BBY	CRN 66196
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COMP 160

Computer Systems Introduction Level 1 \$171

Introduces the basic skills and techniques required for systems analysis and design. Prerequisite: COMP 126.

Jun 01 Sat	6 wks	BBY	CRN 43401
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COMP 164

Microsoft Word \$107

A 6-week course using IBM PC's covering the basics of this word processing package which can be used on IBM PCs and Apple Macintoshes.

Apr 09 Tues	6 wks	BBY	CRN 42423
May 21 Tues	6 wks	BBY	42437

COMP 167

Wordperfect \$214

Covers the basic level of this current word processing package and many special features. Prerequisite: COMP 107.

Apr 11 Thurs	12 wks	BBY	CRN 53285
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COMP 169

LOTUS 1-2-3 Level 1 \$214

All basic principles of this spreadsheet package are explained and practiced.

Apr 10 Wed	12 wks	BBY	CRN 46957
		DEC	53292

COMP 187

Computerized Accounting \$214

Teaches the "Bedford Integrated Accounting" package to those with some knowledge of computing and accounting. Prerequisite: COMP 107, FMGT 101.

Apr 11 Thurs	12 wks	BBY	CRN 45993
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COMP 190

Meet the Mac \$214

Uses "hands-on" practice to learn to use the Macintosh computer, the operating system and some software packages. Common terminology is explained.

Apr 10 Wed	12 wks	BBY	CRN 53722
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COMP 191

3-D Computer Animation Applications Level 1 \$1200

Theory of computer graphics, an overview of Cartesian coordinate system, Unix operating system and animation/workstation configuration are explored. Professional demo videos are viewed and discussed. Students create 3-D geometrical objects.

Apr 08 Mon/Wed	12 wks	VAN	CRN 56715
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COMP 233

COBOL Programming Language Level 1 \$171

A 1st-level course, which includes all language components required to write simple business report programs. Prerequisite: COMP 126.

Apr 09 Tues	12 wks	BBY	CRN 43104
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COMP 236

PASCAL Programming Language \$214

Covers the language's entire repertoire of instructions, enabling students to read and write structured programs in PASCAL. Prerequisite: COMP 126.

Apr 08 Mon	12 wks	BBY	CRN 43110
Jul 02 Tues/Thurs	6 wks	BBY	66184

COMP 237

C Programming Language Level 2 \$214

The development and use of program libraries and software tools in the C environment — a continuation of COMP 137. Prerequisite: COMP 137.

Apr 10 Wed	12 wks	BBY	CRN 45348
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COMP 241

Data Communications Concepts Level 1 \$171

Students become conversant with data communication applications and related concepts. Prerequisite: Programming or systems design experience.

Apr 08 Mon	12 wks	BBY	CRN 45932
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COMP 244

Assembler Micro Programming Language: IBM PC Level 2 \$214

Continuation of COMP 144. Programming in ASSEMBLER Language on the IBM PC. Prerequisite: COMP 144.

Apr 10 Wed	12 wks	BBY	CRN 45987
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ASSOCIATE CERTIFICATE IN OFFICE COMPUTER SKILLS

NOTE: Course fee does not normally include cost of texts or supplies.

COMP 109

Exploring DOS \$241
Examines the PC/MS Disk Operating System (DOS) in depth for those who feel they know just a little about a PC. Prerequisite: COMP 901 or equivalent.

Apr 08 Mon	6 wks	HOL	CRN 53421
		RIC	53628
May 27 Mon	6 wks	HOL	56027
		RIC	53706

COMP 117

Wordperfect 5 Level 1 \$161
Covers the concepts of word processing using Wordperfect 5.1, creating, modifying and printing a document. Prerequisite: COMP 109.

Apr 09 Tues	4 wks	HOL	CRN 53439
Apr 10 Wed	4 wks	RIC	53557
May 09 Thurs	4 wks	RIC	53676

COMP 118

Wordperfect 5 Level 2 \$161
Continuation from COMP 117, covering spell checking, parallel columns and macros. Prerequisite: COMP 117.

May 07 Tues	4 wks	HOL	CRN 53468
May 08 Wed	4 wks	RIC	53598
Jun 06 Thurs	4 wks	RIC	56133

COMP 119

Wordperfect 5 Level 3 \$161
Continuation from COMP 118, covering line drawing, graphic work, calculations, outlining, sort/merge and writing macros. Prerequisite: COMP 118.

Jun 04 Tues	4 wks	HOL	CRN 53500
Jun 05 Wed	4 wks	RIC	53661

COMP 138

Ventura Level 1 \$161
Covers desktop publishing, producing "typeset-quality" documents without using a print shop. Includes creating textual materials, pictures with texts, and style sheets. Prerequisite: COMP 117.

Apr 10 Wed	4 wks	RIC	CRN 56849
May 08 Wed	4 wks	RIC	56855

COMP 139

Ventura Level 2 \$161
Continues from COMP 138 and focuses on skills and techniques to enhance quality. Topics will include newsletters, brochures, database directories and books. Prerequisite: COMP 138.

Jun 05 Wed	4 wks	RIC	CRN 56861
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COMP 147

LOTUS 1-2-3 Level 1 \$161
Covers the concepts of a spreadsheet using LOTUS 1-2-3, basic functions, appearance and entering data. Prerequisite: COMP 109.

Apr 10 Wed	4 wks	HOL	CRN 53442
Apr 11 Thurs	4 wks	RIC	53566
May 07 Tues	4 wks	RIC	53579

COMP 148

LOTUS 1-2-3 Level 2 \$161

Continuation from COMP 147, covering graphs and managing databases. Prerequisite: COMP 147.

May 08 Wed	4 wks	HOL	CRN 53473
May 09 Thurs	4 wks	RIC	53610
Jun 04 Tues	4 wks	RIC	53649

COMP 149

LOTUS 1-2-3 Level 3 \$161

Continuation from COMP 148, covering macros, automating tasks, and menus. Prerequisite: COMP 148.

Jun 05 Wed	4 wks	HOL	CRN 53511
Jun 06 Thurs	4 wks	RIC	53687

COMP 157

dBASE IV Level 1 \$161

Covers the concepts of a microcomputer database using dBASE IV, including creating, data entry, manipulation of data and inquiry. Prerequisite: COMP 109.

Apr 09 Tues	4 wks	RIC	CRN 53544
Apr 11 Thurs	4 wks	HOL	53450

COMP 158

dBASE IV Level 2 \$161

Continuation from COMP 157, covering sorting, indexing, linking, reporting and dot prompt commands. Prerequisite: COMP 157.

May 07 Tues	4 wks	RIC	CRN 53582
May 09 Thurs	4 wks	HOL	53484

COMP 159

dBASE IV Level 3 \$161

Continuation from COMP 158, covering applications generator and dBase SQL. Prerequisite: COMP 158.

Jun 04 Tues	4 wks	RIC	CRN 53655
Jun 06 Thurs	4 wks	HOL	53525

COMP 175

ACCPAC General Ledger \$161

Covers the general ledger system, including converting existing systems to ACCPAC, batch transactions, and printing reports. Prerequisite: COMP 109 and basic understanding of accounting principles.

Apr 08 Mon	4 wks	RIC	CRN 53533
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COMP 176

ACCPAC Accounts Receivable \$161

Covers the entire accounts receivable cycle from setup to report writing, and the interface to the general ledger. Prerequisite: COMP 175.

May 06 Mon	4 wks	RIC	CRN 56074
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COMP 177

ACCPAC Accounts Payable \$161

Covers the entire accounts payable cycle from setup to report writing, and the interface to the general ledger. Prerequisite: COMP 175.

Jun 10 Mon	4 wks	RIC	CRN 56100
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COMP 245
BASIC Microcomputer Programming
Language: IBM PC Level 2 \$214
 Continues from COMP 145 using Microsoft QUICK-BASIC. Prerequisite: COMP 145.
 Apr 10 Wed 12 wks BBY CRN 51860

COMP 260
Computer Systems Introduction Level 2 \$171
 Continuation of COMP 160. Develops analytical skills and basic computer systems design techniques. Prerequisite: COMP 160.
 Jul 03 Mon/Wed 6 wks BBY CRN 66150

COMP 263
Microcomputers Using dBASE Level 2 \$214
 Builds on and continues from Level 1, COMP 162. Prerequisite: COMP 162.
 Apr 11 Thurs 12 wks BBY CRN 56083

COMP 266
Microcomputers: Business Applications and Lotus 1-2-3 Macros \$214
 LOTUS 1-2-3 Macros are covered by using business models in areas such as budgeting, inventory, etc. Prerequisite: COMP 169.
 Apr 08 Mon 12 wks BBY CRN 43149

COMP 284
Decision Support Systems 1: Forecasting and Simulation \$214
 Students specialize in quantitative approaches to managerial decision-making: computer simulation, linear/dynamic programming and decision support systems. Prerequisite: COMP 126, OPMT 197.
 Apr 11 Thurs 12 wks BBY CRN 58008

COMP 286
Novell Network 286 \$107
 Provides a complete overview of the Network 286 operating system. Selection of equipment, Network installation, and system administration responsibilities are discussed. Prerequisite: COMP 107, OPMT 188.
 Apr 10 Wed 6 wks BBY CRN 53735
 May 22 Wed 6 wks BBY 56095

COMP 287
Smalltalk and Object Oriented Programming \$214
 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. Prerequisite: IBM Micro experience and a Level 1 programming language.
 Apr 09 Tues 12 wks BBY CRN 53719

COMP 291
3-D Computer Animation Applications Level 2 \$1200
 Continuation of COMP 191. Looks at modelling of complex forms and application of colors, textures, lighting, and movement. Technical arrangement and hardware connectivity of animation installations are covered.
 Apr 09 Tues/Thurs 12 wks VAN CRN 56721

COMP 293
Introduction to Multimedia \$285
 How to develop user friendly interactive multimedia lessons on a computer by using videodisc technology and implementing instructional and screen designs, as well as the fundamentals of teaching using multimedia. Prerequisite: Familiarity with DOS or IBM computers.
 Apr 08 Mon/Wed 8 wks BBY CRN 58031

COMP 333
COBOL Programming Language Level 2 \$171
 Continuation of COMP 233. Includes tape and disk file organization, utility programs and libraries, and table look-ups. Prerequisite: COMP 233.
 Apr 10 Wed 12 wks BBY CRN 42672

COMP 334
PL/1 Programming Language Level 2 \$171
 The second level course. A continuation of COMP 234. Includes disk and tape processing. Prerequisite: COMP 234.
 Apr 09 Tues 12 wks BBY CRN 42242

COMP 370
Relational Database Systems \$356
 Covers relational database technology, relational algebra and calculus, entity-relationship charts; data analysis and design. Prerequisite: COMP 260/270/361.
 Apr 08 Mon/Wed 10 wks BBY CRN 56111

COMP 385
Applied Artificial Intelligence: Expert Systems \$214
 The formalization and storage of knowledge, automated reasoning strategies, problem selection, software tools and industry trends. Prerequisite: COMP 126 and a Level 1 programming language.
 Apr 10 Wed 12 wks BBY CRN 43416

COMP 391
3-D Computer Animation Applications Level 3 \$1200
 Continues from COMP 291. Discusses UNIX operating system features, and current, ultra-high-end hardware and graphics software. Creates 3-D geometrical forms with photorealistic software treatments in color, lighting, etc.
 Apr 09 Tues/Thurs 12 wks VAN CRN 56739

COMP 484
Decision Support Systems 3: Implementation \$214
 Explains the architectural structure of a database management system, model base management system, and user interface. Prerequisite: COMP 237, 384.
 Apr 11 Thurs 12 wks BBY CRN 51427

COMP 341
Data Communications Concepts Level 2 \$171
 Continuation of COMP 241. Covers protocols and data link controls, LAN's, and line facilities provided by common carriers. Prerequisite: COMP 241.
 Apr 09 Tues 12 wks BBY CRN 42239

COMP 349
POWERHOUSE Programming Language Level 2 \$214
 A continuation of COMP 249. A more advanced study of this 4th generation language. Prerequisite: COMP 249.
 Apr 09 Tues 12 wks BBY CRN 45312

COMP 363
Operating System Concepts \$214
 Introduces basic principles of operating systems design and implementation. Topics include memory management, processor scheduling, disk organization, and file systems. Prerequisite: COMP 242/236.
 Apr 10 Wed 12 wks BBY CRN 58013

Computer Systems Technology offers an

ADVANCED DIPLOMA PROGRAM IN SOFTWARE DEVELOPMENT

The intention is to extend the ADP into a degree-bridging program at the Bachelor's level at some point in the future.

The ADP program is designed for:

1. graduates of 2-year diploma programs in Computer Systems;
2. computer professionals wishing to acquire recognized formal qualifications;
3. people who hold degrees in other related disciplines.

COMP 237
C Programming Language Level 2 \$214
 The development and use of program libraries and software tools in the C environment — a continuation of COMP 137. Prerequisite: COMP 137.
 Apr 10 Wed 12 wks BBY CRN 45348

COMP 287
Smalltalk and Object Oriented Programming \$214
 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. Prerequisite: IBM micro experience and a Level 1 programming language.
 Apr 09 Tues 12 wks BBY CRN 53719

COMP 341
Data Communications Concepts Level 2 \$171
 Continuation of COMP 241. Covers protocols and data link controls, LAN's, and line facilities provided by common carriers. Prerequisite: COMP 241.
 Apr 09 Tues 12 wks BBY CRN 42239

COMP 363
Operating Systems Concepts \$214
 Introduces basic principles of operating systems design and implementation. Topics include memory management, processor scheduling, disk organization and file systems. Prerequisite: COMP 242/236.
 Apr 10 Wed 12 wks BBY CRN 58013

COMP 370
Relational Database Systems \$356
 Covers relational database technology, relational algebra and calculus, entity-relationship charts; data analysis and design. Prerequisite: COMP 260/270/361.
 Apr 08 Mon/Wed 10 wks BBY CRN 56111

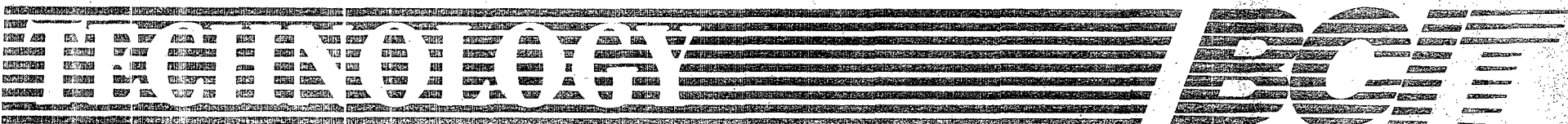
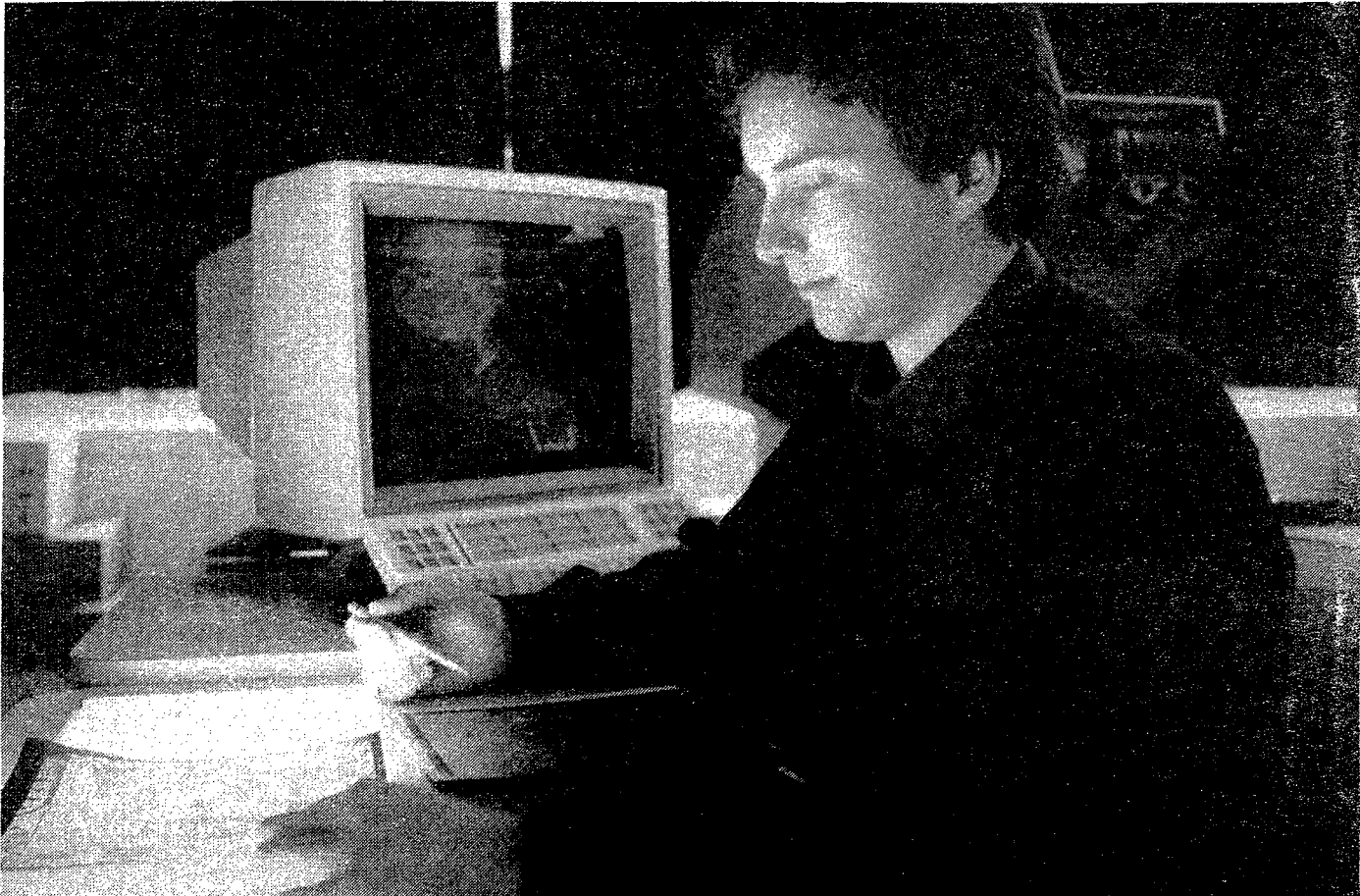
COMP 385
Applied Artificial Intelligence: Expert Systems \$214
 The formalization and storage of knowledge, automated reasoning strategies, problem selection, software tools and industry trends. Prerequisite: COMP 126 and a Level 1 programming language.
 Apr 10 Wed 12 wks BBY CRN 43416

COMP 702
Applied Research Methods in Computer Systems \$216
 Introduces the various research methods that are appropriate in applied research projects on Computer Systems. Formal statistical and empirical approaches are covered.
 Apr 20 *Sat 6 wks BBY CRN 58077
 *Every other Saturday.

COMP 771
Advanced Database \$356
 Provides an in-depth study of the relational model, relational database design (logical and physical), query languages (SQL), query processing techniques and optimization. Prerequisite: COMP 370 or equivalent.
 Apr 09 Tues/Thurs 12 wks BBY CRN 58334

COMP 800
Management Issues in Software Engineering \$216
 Examines the various methodologies in managing software development. Emphasis is on managerial (as opposed to technical) issues and concerns. Complementary to COMP 700. Prerequisite: COMP 700.
 Apr 08 Mon 12 wks BBY CRN 58326

For more information, please contact:
 Robertta Pajunen
 Tel.(604) 432-8459
 FAX (604) 432-9572



FISH HARVESTING AND PROCESSING

FISH 910

Seafood Retailing and Distribution \$294
Enables students to identify fishery products, understand and evaluate seafood quality, minimize quality loss during transport, receiving, storage and display; promote seafood. Provides hands-on experience and the opportunity to learn from industry experts. For those now working at a seafood counter or specialty store or those seeking employment in this area. Course includes a Saturday field trip.

Apr 02 Tues/Thurs 6 wks BBY CRN 57633

FISH 900

Seafood Processing and Quality

Enables students to identify major B.C. fish species; understand and evaluate seafood quality; handle seafood with minimal quality loss; describe processing techniques in B.C.'s salmon, herring and groundfish industries; apply basic plant sanitation principles; understand the principles of a quality assurance program; describe government processing regulations. For those now working in the fish processing industry or those seeking employment in this area.

DATES/TIMES/FEE TO BE ANNOUNCED.

FOR INFORMATION ON THESE COURSES PLEASE CONTACT DENISE NORDIN AT 432-8948.

LANDSCAPE

LAND 105

Plant Introduction

\$171

Enables the student to identify the genus, species and variety of cultivar of 125 to 150 trees, shrubs, ground covers and vines commonly used in landscape design. Prerequisite: LAND 104 recommended but not required.

Apr 20 Sat 12 wks BBY CRN 43364

LAND 106

Pesticides for Retailers and Landscape Applicators

\$96

For persons engaged in retailing, commercial landscape maintenance or nursery crop production.

Apr 22 Mon/Wed 3 wks BBY CRN 47905

LAND 208

Sports Turfgrass Management

\$171

An introductory course in turfgrass management for persons associated with maintenance of golf courses, municipal parks and outdoor recreational facilities.

Apr 09 Tues 12 wks BBY CRN 58588

LEADERSHIP TRAINING

MTCE 102

Supervision/Effective Leadership

\$245

Designed specifically for supervisors/managers or those aspiring to become supervisors/managers. The focus of this two-day workshop will be on the functions and processes of leadership and the vital role played by first-line supervisors and managers in their organization. Participants can expect to enhance their ability to improve worker performance through the use of improved LEADERSHIP and BASIC MANAGEMENT skills.

Apr 08 Mon/Tues 2 days * CRN 53890

Apr 22 Mon/Tues 2 days * 54838

May 28 Tues/Wed 2 days * 55393

* Best Western Kings Inn

MTCE 205

Instructional Skills

\$545

This five-day workshop focuses on the planning, instructional management, evaluation of learning, and development of skills, confidence and techniques, when instructing group or one-on-one training sessions. The workshops consist of instructor input and demonstration, practical demonstrations and presentations by all participants, as well as instructor, individual, and group assessment and evaluations of presentations. To allow for maximum participation, enrolment is limited to 10.

May 13 Mon-Fri 1 wk DEC CRN 54827

For more information or to register by phone, please call Janice Pontes at (604) 432-8539 or FAX at (604) 432-9572.

VISA, MasterCard and company purchase order accepted.

GEOGRAPHIC INFORMATION SYSTEMS

TWO-DAY SEMINARS

GIST 401

GIS Seminar for Natural Resource Management

\$150

A two-day seminar introducing concepts and terminology of geographic information systems, hardware and software technology, issues in data conversion, data management, acquisition and implementation strategies.

May 27 Mon/Tues 2 days DEC CRN 58399

GIST 402

GIS Seminar for Local Government

\$150

A two-day seminar introducing concepts and terminology of geographic information systems, hardware and software technology, applications of GIS in local government, issues in base mapping, data conversion, accuracy, data management, acquisition and implementation strategies.

May 29 Wed/Thurs 2 days DEC CRN 58403

GIST 525

Introduction to GIS (PAMAP)

\$325

Introduction to operational aspects of GIS using the PAMAP GIS in a microcomputer environment. Topics include data entry, editing and map design in MAPPER, and fundamental GIS operations in ANALYZER. Working problems drawn from resource management.

May 13 Mon-Fri 1 wk BBY CRN 56556

GIST 526

Introduction to GIS (TERRASOFT)

\$325

Introduction to operational aspects of TERRASOFT GIS software in a microcomputer environment. Topics include data entry, editing and map design in TERRASOFT CAD environment, and fundamental GIS operations. Working problems drawn from resource management and urban applications.

Apr 10 Wed 12 wks BBY CRN 56567

Jun 03 Mon-Fri 1 wk BBY 56575

GIST 528

Introduction to GIS (ARC/INFO)

\$325

Introduction to operational aspects of GIS software using ARC/INFO GIS in a workstation environment. Topics include data entry and editing in ARCEDIT, map design in ARCPLOT, and fundamental GIS operations. Working problems drawn from resource management and urban applications.

Apr 08 Mon 12 wks BBY CRN 58351

Apr 10 Wed 12 wks BBY 56594

May 27 Mon-Fri 1 wk BBY 56613

GIST 626

Advanced GIS Software (TERRASOFT)

\$325

A continuation of GIST 526 including database linkage, database software, coordinate geometry, digital terrain modelling, analytical GIS functions and importing and exporting of data. Prerequisite: GIST 526.

Apr 06 Sat 6 wks BBY CRN 56624

Jun 10 Mon-Fri 1 wk BBY 56631

GIST 628

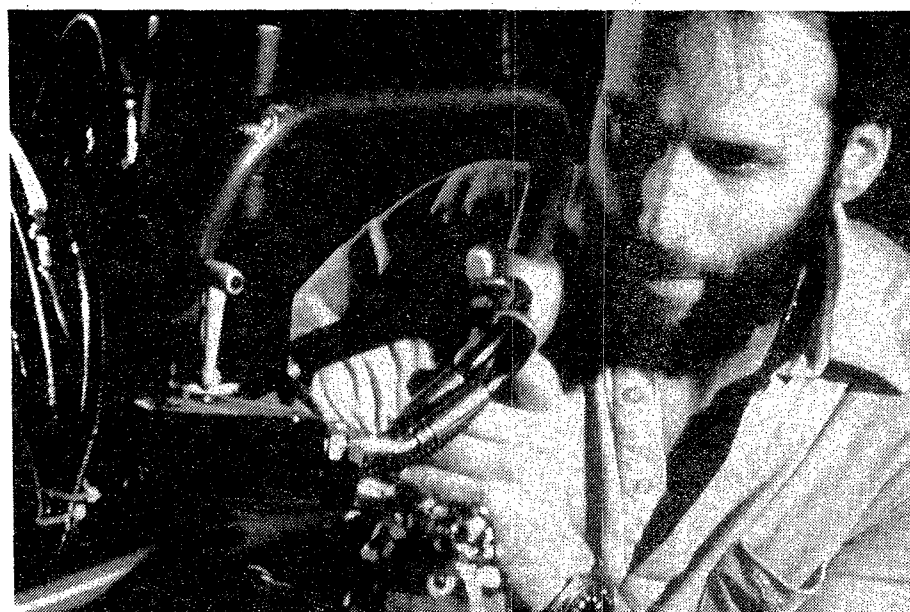
Advanced GIS Software (ARC/INFO)

\$325

A continuation of GIST 528, including use of Arc Macro language programming, database software, coordinate geometry, digital terrain modelling, analytical GIS functions and importing and exporting of data. Prerequisite: GIST 528.

Apr 11 Thurs 12 wks BBY CRN 56645

Jun 10 Mon-Fri 1 wk BBY 56659



MECHANICAL

MECH 140

Drafting Fundamentals

\$210

An introductory course for persons with little or no experience in graphics.

Apr 08 Mon/Wed 7 wks BBY CRN 43578

Apr 09 Tues/Thurs 7 wks BBY 49392

MSYS 320

Heating and Ventilating 2

\$210

Principles and practices of building zoning, fuels cost estimating, hydronic heating system components, controls, boilers, venting of appliances, gas piping, combustion and ventilation air. These will be applied to preparation of design calculations and working drawings. Prerequisite: MECH 140 or equivalent (may be taken concurrently).

Apr 09 Tues/Thurs 7 wks BBY CRN 56453

RENEWABLE RESOURCES

FSTR 158

Metric Log Scaling

\$727

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.

Jul 06 Sat/Sun 13 wks BBY CRN 69452

FSTR 921

B.C. Log Scaling FBM Course

\$369

This course is for licensed log scalers who require endorsement in imperial measurements using foot board measure. The course includes classroom sessions and practical scaling in various locations along the north arm of the Fraser River. Scale stick and life vest supplied; students must supply suitable caulk boots. Prerequisite: FSTR 157 or 158 or equivalent, or log scaling ticket.

May 25 Sat/Sun 5 wks BBY CRN 43648

NEW COURSE

FSTR 430

\$325

Logging Residue and Waste Survey Certification

BCIT, in conjunction with the Ministry of Forests, is offering a 5-day "Logging Residue and Waste Survey Certification Course". A background of cruising, scaling or related experience would be a definite asset. Enrolment is limited.

May 06 Mon-Fri 1 wk BBY CRN 58652

ROBOTICS AND AUTOMATION

ROBT 900

Introduction to Industrial Robotics

\$182

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.

Apr 13 Sat 5 wks BBY CRN 49530

SURVEYING AND MAPPING

SURV 190

Survey CAD: Rapid Transit

\$184

Uses custom survey software (Rapid Transit) for coordinate geometry and CAD applications.

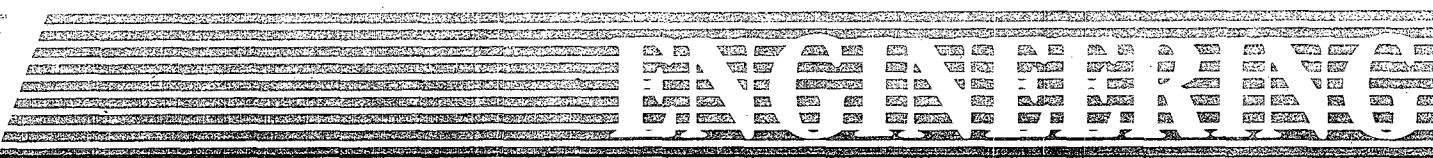
Apr 08 Mon 8 wks BBY CRN 55355



REGISTER NOW!

434-1610

Classes start week of April 8



TECHNOLOGY CENTRE

ARTIFICIAL INTELLIGENCE FINDS THE 'GREEN' ALTERNATIVE

The Municipality of Burnaby, BCIT, and Pacific Artificial Intelligence Systems Corp. are pleased to announce that a pilot version of a computer-based Expert System for 'green' alternatives to the use of common household pesticides was demonstrated at an International Conference on the Practical Applications of Artificial Intelligence. This Conference was held in the Electrical Training Centre Auditorium, at BCIT Burnaby Campus in November, 1990. Development of this Expert System was funded by the Municipality of Burnaby as part of its commitment to dealing with environmental issues in an affirmative manner. The development of this Expert System is being managed by a Steering Committee with representatives from the municipality, BCIT, and Pacific AI.

What is Artificial Intelligence?

Artificial Intelligence, or AI, is a field of computer science in which computer programs are used to solve problems normally thought to require human intelligence. When AI programs are used to solve such problems we have what is called a computer-based expert system. Expert Systems are becoming increasingly important facets of computer technology. They are now used routinely in the credit business, in manufacturing, and in medicine.

Expert Systems at BCIT

For the past several years, BCIT has worked with the IBEW/ECA (the Electrical Union and its Contractor Association) and Pacific AI on the development of Expert Systems for advanced industrial education. In a project with Prince George Pulp and Paper Mills, we developed an Expert System for managing information in distributed control systems, which advises operators when alarms sound and indicates possible problems. BCIT and Pacific AI are working on an Expert System which, from a computerized model of the human heart, can detect heart problems and recommend appropriate treatments. In cooperation with the Municipality of Burnaby, we have developed a pilot Expert System which can advise residents on 'environmentally green' alternatives to the use of common household pesticides.

Research into AI at BCIT is sponsored by the BCIT Technology Centre.

TECHNOLOGY CENTRE SEMINARS

TCTR 911

Buyer/Seller Negotiations: "Better ways to Better Deals"

\$225

Sellers need good customers. Buyers need good suppliers. Successful negotiations lead to both parties sharing in the rewards of long term relationships.

Most individuals rely on using self-taught methods that have been acquired through on-the-job training. Such trial and error methods are based on experience. These methods are usually applied with a great deal of consistency thereby reducing their effectiveness over time. A few sharp tricks may gain short-term advantages but through properly applied skills and techniques, more long-range goals can be attained.

Negotiating is a skill which can be developed. There is no single, magic formula to improve your outcome during negotiations, be they business or personal. Needs have to be satisfied. How we do it is negotiable.

Through better understanding of the negotiation process we will achieve at a higher level. Benefits will accrue measurably to both ourselves and the organizations we represent.

Apr 20 Sat 1 day BBY CRN 58378
Jun 1 Sat 1 day BBY 58380

TCTR 912

Logistics Management "Are Distribution Costs Eating Away Your Profits?"

\$171

From the production line to the store shelf, many B.C. companies are realizing that their profits are riding on the effectiveness of their distribution networks. Keeping the customer satisfied means filling orders fast and accurately. Problems with distribution — whether in handling raw materials, inventories, or shipping finished goods — can prove frustrating to the customer and costly for the company. Identifying and solving these problems can be overcome.

The logistics management program will provide assistance to B.C. firms in these areas.

The program consists of five workshops in: Transportation, warehousing, inventory, customer service, computer applications.

These one-day workshops are conducted by experts in logistics management. Enrolment will be limited to enable participants to identify specific problems in their operations.

Dates for upcoming workshops will be announced.

For more information, quote registration number TCTR 912.

TCTR 910

Coastal Navigation \$250 plus GST

A 7-week (18-hour) seminar leading to accreditation in:

- Canadian Yachting Association
- American Sailing Association
- 350 Ton Master
- Watchkeeping Mate
- Command Endorsement



This seminar will enable you to become confident in safely navigating a vessel in coastal waters.

For more information call (604) 434-1610.
March 2-5 7 wks BBY CRN 31595

The 1991 Natural Gas and Petroleum Summer Institute

June 19 - 21, 1991

The Sheraton Villa Hotel

Burnaby, B.C.

Cost \$375 (Cdn.)

The 1991 BCIT Natural Gas and Petroleum Summer Institute is a 3-day technical conference designed to enhance the overall knowledge of people involved with British Columbia's Downstream Natural Gas and Petroleum Industries.

Selected speakers will discuss topics related to the changing roles, the changing technologies and the changing opportunities confronting the industry.

The conference will be divided into two Sections:

Natural Gas which will highlight market changes and innovative technology in British Columbia's Natural Gas Transmission and Natural Gas Distribution Sectors, and

Oil Handling which will highlight market changes and innovative technology in British Columbia's Oil Pipelining and Oil Handling Sectors.

Who should consider attending this conference?

The program has been designed to appeal to anyone who is interested in the direction this industry is moving, the technology that is allowing it to move, and the challenges and opportunities that are waiting on the horizon.

The program has also been designed to be of value and interest to those people who must interface with Natural Gas and Oil Handling Industries:

- Municipal and other Governmental Agencies
- Third Party Suppliers and Contractors.

The Program

Fundamental concepts will be stressed throughout the conference; a technical background will not be necessary to enjoy the conference.

Audiovisual presentations and group discussions are included in the program.

In addition, selected equipment will be on display for examination and discussion.

A manual containing a complete set of the speakers' papers and other relevant material, will be given to each participant at registration.

Topics

Natural Gas and Oil Handling

- Petroleum Geology and Petroleum Activity in B.C.
- Basic Drilling Economics
- Survival in a De-Regulated Environment
- Natural Gas Pipeline Operations in B.C.
- Natural Gas Distribution Operations in B.C.

- Oil Pipeline Operations in B.C.
- The Vancouver Island Pipeline
- Underground Natural Gas Storage
- Co-generation and NGV
- Applied Public Relations

Natural Gas

- Gas Laws and Gas Quality
- P.D. Measurement
- Digital Based Volume Correction
- Real Time Gas Measurement
- Consumer and Corporate Affairs
- Right-of-Way Encroachment and Maintenance

- Basic Gas Pressure Control
- Gas Distribution Hydraulics
- Municipal Approval Concerns
- Gas Pipeline Design Criteria
- Environmental Concerns

Oil Handling

- Oil Pipeline Control
- Oil Tankers
- Oil Pipeline Maintenance
- Liquids Measurement
- Oil Pipeline Batching

- Centrifugal Pumps
- P.D. Pumps
- Environmental Concerns
- Emergency Response Measures

Continuing Education Credits will be awarded for full attendance (Gas or Oil Section).

The Conference package includes:

- Wednesday morning 'get acquainted' Continental Breakfast
- Morning and afternoon coffee
- Luncheon (Wednesday, Thursday and Friday)
- Complete pre-printed manual
- Classroom supplies
- BCIT Certificate of Attendance

For a detailed brochure or more information, please contact:

Robin Kinney,
Technical Program Coordinator at BCIT
Tel. (604) 432-8308 (24 hours)

or return this coupon to:
BCIT

Petroleum Department
3700 Willingdon Avenue
Burnaby, B.C. V5G 3H2

Name

Address

City Postal Code

Home Phone Number

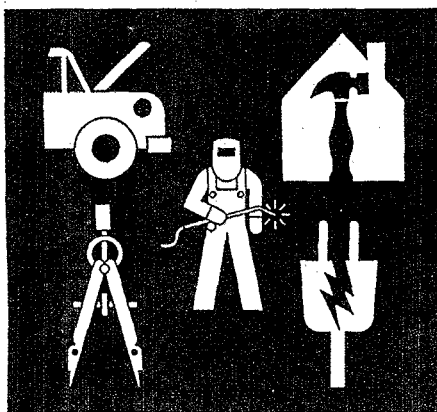
Please indicate your special interest Natural Gas ☐ Oil Handling ☐

I will need Sheraton Villa hotel accommodation Yes ☐ No ☐

**REGISTER
BY FAX
430-1331**

Classes start week of
April 8

TRADES TRAINING

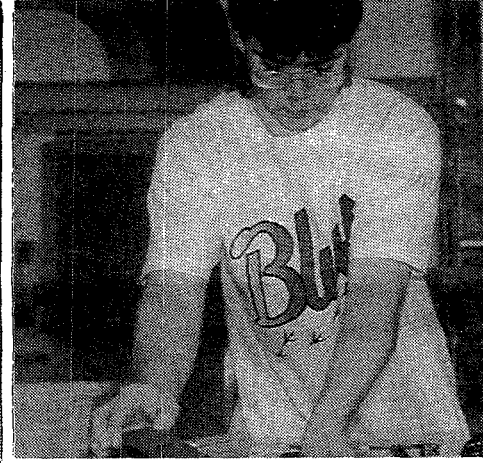
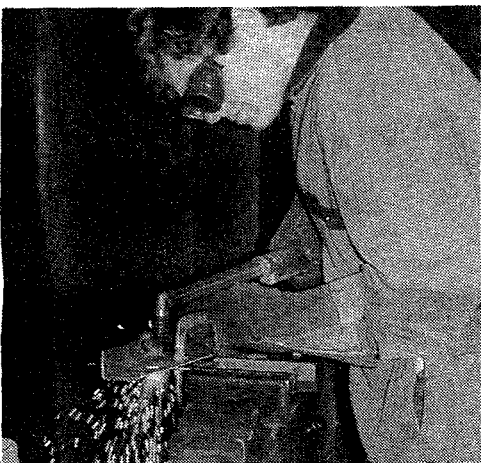
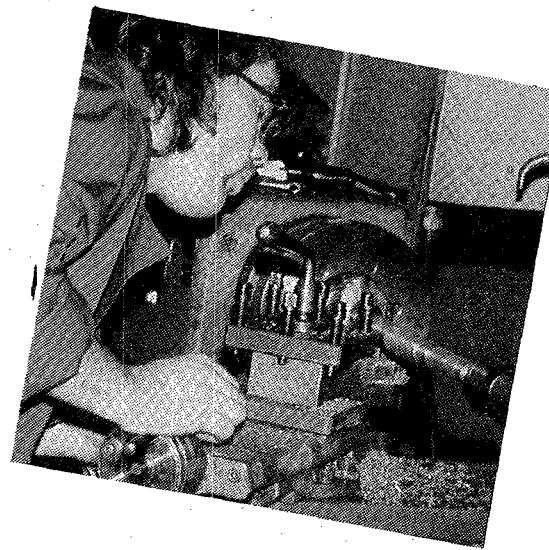


HIGH SCHOOL TRADES CHALLENGE '91

On May 17 Industrial Education students from high schools throughout the province will arrive at BCIT to participate in the High School Trades Challenge. This competition challenges students in Welding/Fabrication, Joinery, Carpentry, Machinist, Drafting, and Electronics to compete against other high school students in a demonstration of their practical skills. Students are given five hours to complete a project that is evaluated on workmanship and time to complete. Prizes, donated by BCIT's supporters in industry, are awarded to students in first, second, and third place.

Based upon the success of last year's event, which took place during Open House '90, we are expecting great things from this year's competitors.

For the first time this year, through the combined efforts of the British Columbia Automobile Association, Chrysler Canada, and BCIT, the Chrysler Troubleshooting Contest will run concurrent with the High School Trades Challenge.



TROUBLESHOOTING CONTEST

An Auto Mechanics Competition for High School Students

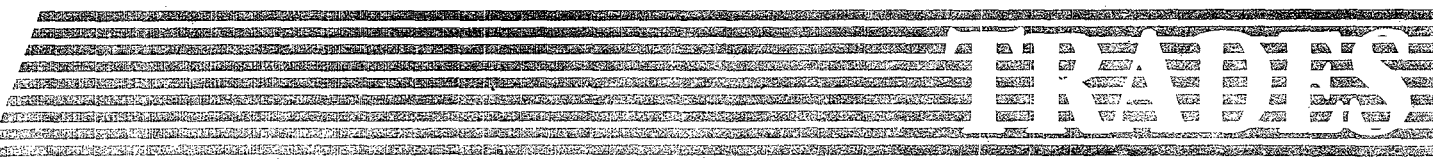
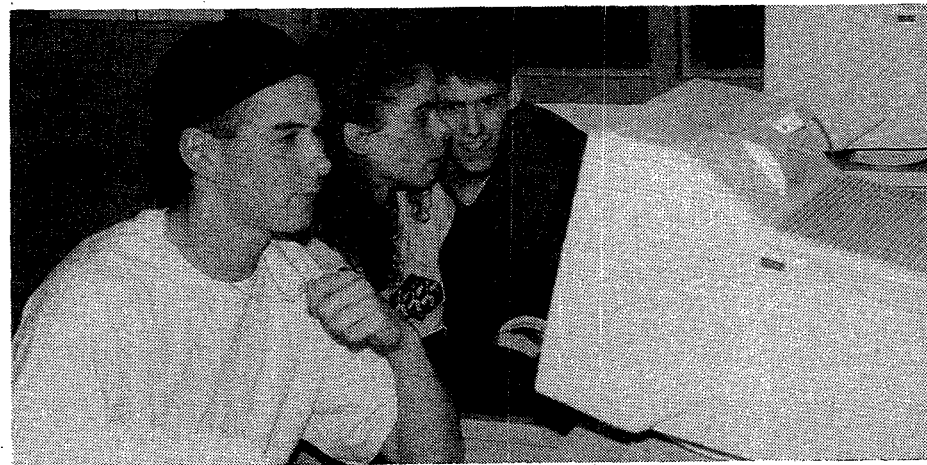
**BCAA
BCIT
and
Chrysler Canada**

present

**THE BCAA/CHRYSLER CANADA
TROUBLESHOOTING
CONTEST**

May 17 at 10 am at the
Kensington Park Arena, 6159 Curtis Street, Burnaby, B.C.

The BCAA/Chrysler Canada Troubleshooting Contest
is a competition between high schools throughout the province
which offer a Grade 12 Automotive course.



NEW TRADES STUDENTS PICK UP TEN OF THE PRESIDENT'S ENTRANCE AWARDS!

Out of the 37 awarded, ten of the President's Entrance Awards were granted to high school students enrolled in BCIT trades programs. The awards cover FULL TUITION and are awarded each Spring. 1990 was the first year.

We were very pleased that such a large number of high school students took advantage of this great opportunity! Because a portion of the awards are intended for trades students it provides a way of recognizing the special skills that your students have. Keep this in mind for this year's "super stars".

1990 Award Winners

Steve Brand, Kamloops Senior Secondary School, Aircraft Maintenance

Cory Gerein, Eagle River Secondary School, Sicamous, Aircraft Structures

David Witt, Lillooet Secondary School, Auto Collision

Mike Bartsoff, J., Lloyd Crowe Secondary School, Trail, Auto Mechanics

Donny Purych, Mountain Secondary School, Langley, Joinery

Dwayne Sherbina, Carson Graham Secondary School, North Vancouver, Carpentry

Darryl Singbeil, D.W. Poppy Secondary School, Aldergrove, Electrical

Gulvinder Sihota, Lord Tweedsmuir Secondary School, Surrey, Heavy Duty

Darren Tipper, Howe Sound Secondary School, Brackendale, Heavy Duty

Zack Allman, Reynolds Secondary School, Victoria, Machinist

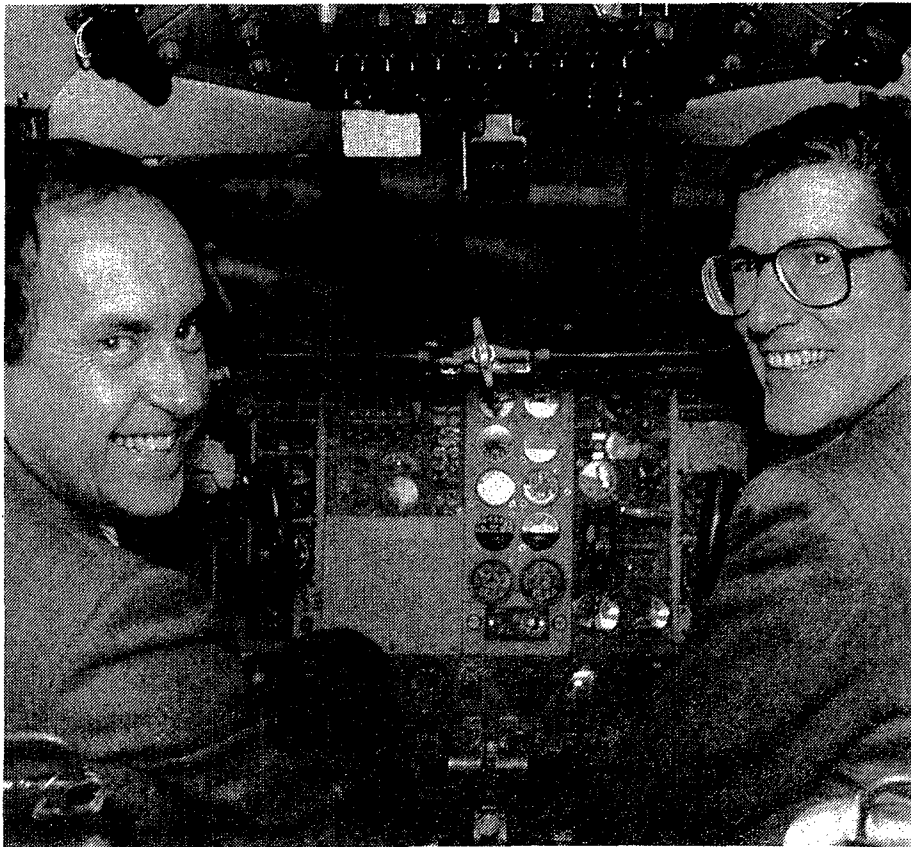
Christian Brant, L.A. Fortune Secondary School, Enderby, Machinist

Michael Secret, Guildford Park Secondary School, New Westminster, Steam Fitting

OTTO ALBERT KLOSS ENTRANCE AWARDS ESTABLISHED

Through the generosity of the late Otto Albert Kloss and the Pacific Foundation of Applied Technology, the Otto Albert Kloss Entrance Awards have been established. There are two awards of \$1,500 available to students entering an entry level trades training program at BCIT.

The awards were available for the first time this year. We were pleased with the number of applications (27) we received. The successful candidates were **Will Burgess**, Burnaby Central Secondary School (Burnaby) - Mechanical Drafting, and **Nelson Fransisco**, Sir Charles Tupper Secondary School (Vancouver) - Carpentry. Congratulations to both, and thank you to the teachers who encouraged their students to apply. These entrance awards will be available next year. Watch for the application forms in the New Year.



John Watson, President and Wynne Powell, Chairman of the BCIT Board at the controls of the Falcon.

FALCON 20 LANDS AT SEA ISLAND CAMPUS

The British Columbia Institute of Technology recently announced the acquisition of a Falcon 20 Aircraft for the Sea Island campus in Richmond. The Honourable Tom Siddon, MP (Richmond), Minister of Indian Affairs and Northern Development joined BCIT Board Chairman, Wynne Powell and President John Watson at the recent Sea Island graduation ceremony for the official announcement. The former Department of National Defence craft is a much needed addition to the fleet of aircraft used to train students in aircraft maintenance and avionics.

The Falcon 20, a twin-jet craft for 8-10 passengers and two crew, is fitted with General Electric CF700-2C engines. The prototype of this French designed craft first flew on May 4, 1963, and the flight of the first production machine was on January 1, 1965. The Canadian Armed Forces used their Falcons for liaison and communications duties.

The Falcon aircraft structure and aircraft systems are similar to modern airliners, thus enabling the Institute's training to meet the needs of commercial airlines. Associate Dean, Bill Foyle, said: "The Falcon is a great asset for training. It gives us a dimension we did not have before. With this aircraft and the present equipment at Sea Island we are one of the best equipped aircraft centres in North America."

THANK YOU Copytron Corp., Xerox, Benndorf-Verster and Canon

for your donation of photocopiers to the Automated Business Equipment program.



Len Worley, Electronic Trades; Dennis Duffey, Associate Dean Electrical/Electronic Trades; Patrick Muldoon, Electronic Trades and John Watson, President BCIT.

REGISTER NOW!
434-1610

Classes start week of April 8

AUTOMOTIVE MECHANIC

AUTO 900

*Automotive Mechanical Repair TQ Refresher \$306

A refresher course for tradespersons to upgrade their theoretical abilities in preparation for writing the Provincial Mechanic Trade Qualification Exam or for those wishing to refresh their theoretical knowledge of the Automotive Trade.

Apr 15 Mon/Wed 10 wks BBY CRN 46795

AUTO 909

*Electronic Engine Control/Fuel Injection \$306

An advanced course for experienced automotive mechanics specializing in servicing late model, microprocessor-controlled engine and fuel injection systems.

Apr 16 Tues/Thurs 5 wks BBY CRN 47109

AUTO 916

Chrysler Computer Control Systems \$306

This advanced course covers all facets of Chrysler computerized systems.

Apr 15 Mon/Wed 5 wks BBY CRN 48696

AUTO 920

*Automotive Air Conditioning \$306

For mechanics who wish to increase their job opportunities by adding specialized knowledge about automotive air conditioning systems to their skills.

Apr 15 Mon/Wed 7 wks BBY CRN 46803

AUTO 922

*Automotive Brake Servicing \$229

For mechanics who require upgrading in brake servicing.

Apr 15 Mon/Wed 5 wks BBY CRN 46812

AUTO 924

Automotive Front End Alignment \$304

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.

Apr 16 Tues/Thurs 7 wks BBY CRN 46829

AUTO 925

Automotive Four Wheel Alignment \$92

Intensive course on late model steering, suspension and alignment techniques.

May 25 Sat 1 wk BBY CRN 48432

AUTO 928

*Automotive Automatic Transmissions \$304

An ideal refresher for automotive mechanics who require upgrading in automatic transmissions and for apprentices and mechanics seeking employment in this field.

Apr 16 Tues/Thurs 7 wks BBY CRN 46830

AUTO 950

NGV (Natural Gas) Fuel Systems for Vehicles \$184

Installing and servicing NGV conversions. Prepares students to write the Provincial Gas Safety Branch Licensing Exam***. Prerequisite: AUTO 957.

May 11 Sat 3 wks BBY CRN 49263

AUTO 952

Alternate Fuel Systems Update \$185

An advanced course designed for licensed LPG/NGV mechanics who want an upgrade on the latest equipment and developments in the industry. Prerequisite: LPG/NGV License.

Jun 08 Sat 2 wks BBY CRN 49608

AUTO 957

LPG (Propane) Fuel Systems for Vehicles \$306

Installing and servicing LPG conversions. Prepares students to write the Provincial Gas Safety Branch Licensing Exam***.

Apr 06 Sat 5 wks BBY CRN 49254

* Suggested prerequisite.

** T.Q. Examinations are conducted by the Ministry of Advanced Education and Job Training. Contact the area office nearest your residence to determine your eligibility and schedule an examination.

*** To become eligible to write the exam, approval from the Gas Safety Branch of the Ministry of Municipal Affairs is required, and recommended before you enroll.

AVIATION

AVIA 904

Aviation In-house Training \$202

Recurrent training is now becoming a Transport Canada requirement for maintenance organizations. Learn how to train and how to evaluate training requirements, courses, and programs. The Airline Technical Instructors course uses the systematic competency-based approach to training. A 3" binder and a blank video tape are required. This course has been developed by an industry specialist catering specifically to aviation training. Keeping current and proper training are important to a growing organization. Any Aircraft Maintenance Engineer who works/has worked with an apprentice will find this course beneficial.

Apr 09 Tues/Thurs 5 wks SEA CRN 51534

AVIA 905

Air Regulations \$171

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 beneficial.

Apr 09 Tues/Thurs 5 wks SEA CRN 44868

AVIA 917

Aircraft Sheet Metal Introduction \$171

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 is provided for the proper use of equipment, techniques and safe practices. This course has been designed to complement AVIA 965 and may be used as a primer to the full-time day program.

Apr 09 Tues/Thurs 5 wks SEA CRN 49631

AVIA 920

Aircraft Sheet Metal Advanced \$171

A continuation of AVIA 917. Emphasizes increased shop time and more complex practical tasks.

Apr 09 Tues/Thurs 5 wks SEA CRN 44873

AVIA 922

Aviation Storesperson \$187

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 be discussed.

Apr 09 Tues/Thurs 5 wks SEA CRN 51517

AVIA 923

Helicopter Maintenance \$171

Presents a theoretical introduction to how the helicopter flies, how to steer and basic maintenance. Includes instruction in inspection techniques and practices by performing a Daily Inspection as prescribed by a helicopter manufacturer. This course is designed to suit a novice interested in helicopters, a person on the full-time program waiting list, or the pilot who wants a mechanical introduction.

Apr 09 Tues/Thurs 5 wks SEA CRN 47230

AVIA 924

Helicopter Maintenance Advanced \$171

(AVIA 923) presents theoretical principles about the helicopter and maintenance practices. Advanced level focuses on "hands-on" practical training. Labs include general inspection techniques, gas turbine engine and transmission inspection, rotor blade balancing and composite blade repairs. Prerequisite: AVIA 923 or equivalent work experience.

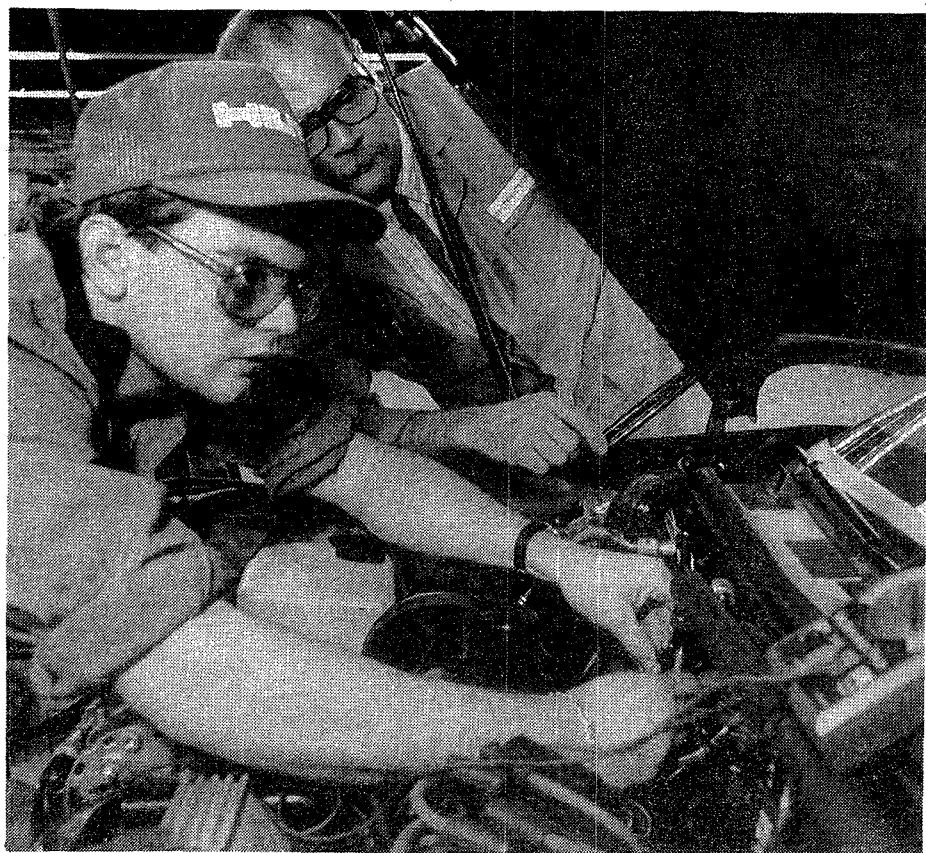
Apr 13 Sat 5 wks SEA CRN 56768

AVIA 925

Avionics \$171

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 are required. This course complements AVIA 900, AVIA 901, and AVIA 903. Curriculum includes: Basic aircraft radio operating principles; high frequency; emergency locator transmitters and audio panels; compass systems; variable omni range; localizer and glideslope navigational equipment; automatic direction finder; encoding altimeters; transponders; weather radar and gyroscopes. Pilots will find this course useful.

Apr 09 Tues/Thurs 5 wks SEA CRN 44884



AVIA 926

The History of Aviation in British Columbia \$171

Fun, entertaining and informative, this course provides the opportunity to explore the West Coast's aviation history. The people, facilities, aircraft and the development of the industry.

Apr 09 Tues/Thurs 5 wks SEA CRN 51526

AVIA 927

Aircraft Composite Repair \$256

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 with allergies to solvents and resins should not attempt this course.

Apr 13 Sat 7 wks SEA CRN 46270

AVIA 930

Aircraft Drafting and Blueprints \$171

This hands-on drafting course will enable students to read blueprints through practical assignments. Terminology, standards, views, lettering, scales and techniques are introduced.

Apr 13 Sat 7 wks SEA CRN 49645

AVIA 933

Aviation Trade Mathematics \$171

Math upgrading/refresher or 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.

Apr 11 Thurs/Tues 5 wks SEA CRN 49917

AVIA 934

Survival Techniques and First Aid \$171

The aviation industry strives for an accident free shop. However, accidents can happen. Many times pilots and Aircraft Maintenance Engineers work in remote areas. Don't be caught in the bush unprepared. Learn about bush survival techniques.

Apr 13 Sat 5 wks BBY CRN 56773

AVIA 935

Aircraft Maintenance Introduction \$171

Provides a theoretical introduction to elementary aircraft maintenance fundamentals. Terminology, how aircraft fly, construction materials and how aircraft are controlled and basic inspection principles are discussed in lectures. Training is designed for the aircraft mechanic, potential maintenance engineer, pilot/owners and, in particular, individuals considering a career in maintenance or awaiting entry to the Institute's full-time Maintenance Program. This course complements AVIA 938.

Apr 09 Tues/Thurs 5 wks SEA CRN 56796

AVIA 940

Gas Turbine Engines \$171

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 tour is incorporated in the curriculum.

Apr 09 Tues/Thurs 5 wks SEA CRN 49659

AVIA 950

Introduction to Aviation \$68

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.

Apr 09 T/Th/Sat 1 wk SEA CRN 49662

AVIA 960

Aircraft Painting \$171

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.

Apr 09 Tues/Thurs 5 wks SEA CRN 47229

AVIA 970

Aircraft Maintenance for the Pilot/Owner \$85

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 Transport Canada. Students may wish to use their own aircraft for the 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.

Apr 09 Tues/Thurs 2 wks SEA CRN 47212

REGISTER NOW!
434-1610

Classes start week of April 8



CARPENTRY

CARP 905

Blueprint Reading for Construction \$216
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.

Apr 09 Tues/Thurs 6 wks BBY CRN 54621
Apr 13 Sat 9 wks BBY 51551

CARP 906

Custom Cabinet Construction and Installation \$259
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.

Apr 13 Sat 6 wks BBY CRN 48461

CARP 907

Residential Renovations \$268
Designed for homeowners, realtors, carpenters and contractors who wish to learn professional renovation skills.

Apr 16 Tues/Thurs 7 wks BBY CRN 57081

CARP 909

Carpentry TQ Refresher \$277
Provides students with the necessary instruction to enable them to write the Provincial Carpentry Trade Qualification Examination.

Apr 15 Mon/Wed 10 wks BBY CRN 48476

CARP 911

Stair Construction \$221
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.

Apr 13 Sat 6 wks BBY CRN 48487

CARP 913

Concrete Formwork Design \$190
For carpenters, contractors, those who work with concrete sales delivery, form rentals, re-bar installation and construction laborers.

Apr 09 Tues/Thurs 5 wks BBY CRN 53927

CARP 915

Construction Supervision and Project Management \$241
For persons with competent trade skills in the construction industry who wish to acquire management skills.

Apr 08 Mon/Wed 8 wks BBY CRN 48493

CARP 917

Construction Estimating Basic \$214
Designed for tradespersons involved with cost estimating and bidding on multi-residential, light commercial and renovation construction projects.

Apr 09 Tues/Thurs 6 wks BBY CRN 48405

CARP 921

Framing, Roofing and Layout \$323
A basic course for learning 2x4 construction methods covering typical wood frame techniques. Includes forms, floors, walls and trusses.

Apr 13 Sat 8 wks BBY CRN 48518

CARP 922

Basic Roof Framing \$202
A detailed course covering roof framing. Follow up to CARP 921.

May 25 Sat 5 wks BBY CRN 56125

CARP 924

Advanced Framing Practices \$202
Not an R2000 course, this is a theoretical overview of recent changes in residential framing techniques, particularly dealing with new products and increased energy efficiency. Minimum of 2 years experience recommended.

Apr 08 Mon/Wed 5 wks BBY CRN 56586

CARP 927

Interior Finishing Carpentry \$216
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.

Apr 13 Sat 5 wks BBY CRN 48520

CARP 935

Residential Building Procedures \$250
Focuses on the planning, estimating and construction of new single or multi-residential units.

Apr 09 Tues/Thurs 5 wks BBY CRN 48536

CARP 937

Builders Level \$110
Designed for general construction, carpenters, site procedures for excavation, formwork, pipe grades and design elevation.

Apr 13 Sat 4 wks BBY CRN 48547

CARP 939

Transit Construction Layout \$167
Includes a review of basic trigonometry for transit layout purposes. Hands-on training reviews how to use transit, chaining, note keeping and related on-site procedures. Beginning and advanced students will benefit from this intensive course.

May 11 Sat 6 wks BBY CRN 48554

CARP 947

Steel Stud Construction \$227
Covers steel stud and drywall boarding to professional standards.

Apr 20 Sat 5 wks BBY CRN 57094

TQ Examinations are conducted by the Ministry of Advanced Education, Training and Technology. Contact the area office nearest your residence to determine your eligibility and schedule an examination.

COMPUTER AIDED CONSTRUCTION

CARP 914

Homebuilder: Computer Systems \$262
Hands-on computer-based course for small to medium sized construction companies. Ideal for managing multi-residential and commercial building using Timberline software. Integrated job costs and accounting plus basic DOS allows you to monitor sub-contracts, change orders, cash flow and cost over-runs.

Apr 13 Sat 7 wks BBY CRN 51667

CARP 918

Project Estimating and Control \$307
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.

Apr 09 Tues/Thurs 7 wks BBY CRN 51656

CONSTRUCTION

CNST 934

Drywall Taping and Finishing \$277
A basic course covering drywall taping to professional standards.

Apr 20 Sat 5 wks BBY CRN 47539

CNST 955

Traffic Control Training \$64
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.

May 04 Sat 1 day BBY CRN 44749

Jun 01 Sat 1 day BBY 46436

DRAFTING

DRFT 901

Drafting: Basic \$228
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.

Apr 22 Mon/Wed 7 wks BBY CRN 44728

Apr 23 Tues/Thurs 7 wks BBY 49470

DRFT 903

***Drafting: Advanced \$228**
Expands on the basic drafting course and allows students to progress into their drafting specialty. Please note that courses run from 1730 to 2030.

Apr 22 Mon/Wed 7 wks BBY CRN 44732

DRFT 915

Drafting Specialization: Process Piping 1 \$228

Introduces fittings, pipes, valves and welding symbols and includes the basics of isometric drawing. Students will be responsible for producing shop drawings.

Apr 09 Tues/Thurs 7 wks BBY CRN 51580

ELECTRICAL

The following courses are designed for those persons who are working in the Electrical Trade and/or Industry.

TELC 905

Electrical Code 1 \$328
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 **Electrical Contractors Examination.)

Apr 09 Tues/Thurs 10 wks BBY CRN 44787

TELC 907

Electrical Code 2 \$328
All sections of the current Electrical Code, with particular emphasis on high voltage requirements, prepares students for writing the Class A Certificate Exam. (See **Electrical Contractors Examination.)

Apr 09 Tues/Thurs 10 wks BBY CRN 44793

TELC 913

Electrical Trade Qualification 1 \$213
The first of a 2-part program for tradespersons preparing for the Electrical Trade Qualification Exam, and those wanting a current review. (*See Electrical Trade Qualification Certificate Examinations.)

Apr 08 Mon/Wed 5 wks BBY CRN 57953

Apr 09 Tues/Thurs 5 wks BBY 46324

TELC 915

Electrical Trade Qualification 2 \$213
A continuation of TELC 913, this course completes the refresher program for the electrical trade. (*See Electrical Trade Qualification Certificate Examinations.)

May 13 Mon/Wed 5 wks BBY CRN 57964

May 14 Tues/Thurs 5 wks BBY 46313

TELC 917

Fire Alarm Systems \$90
Will give students an overview of the codes and regulations that govern fire alarm systems. Covers A & B class, supervised and unsupervised, single stage and two stage systems, initiating devices, smoke and heat detectors, alarm devices, annunciators and typical panels. Discusses various types of common alarm systems.

Apr 13 Sat 2 wks BBY CRN 56179

TELC 920

Lighting \$90
Examines lighting principles, lighting units; incandescent, fluorescent, HID lamp types and their characteristics and operation; recent developments in lighting, energy efficient ballasts, lighting controls and Canadian Electrical Code.

Apr 20 Sat 2 wks BBY CRN 56182

TELC 921

***Math for Electricians 1 \$354**
A mathematics upgrade course to strengthen students' understanding of basic electrical concepts: fundamental electrical laws and mathematical expression, algebra refresher, DC electricity and resistive circuit analysis. (*See Electrical Trade Qualification Certificate Examinations.)

Apr 08 Mon/Wed 10 wks BBY CRN 44807

Apr 08 Mon/Wed 10 wks BBY 51612

TELC 923

***Math for Electricians 2 \$354**
Provides students with the mathematical background they need to understand alternating current (AC) electricity. (*See Electrical Trade Qualification Certificate Examinations.)

Apr 08 Mon/Wed 10 wks BBY CRN 44815

Apr 09 Tues/Thurs 10 wks BBY 51629

TELC 924

DC Motors \$90
Examines the principles of DC motor operation and construction, and operating characteristics of different types of DC motors.

May 06 Mon/Wed 2 wks BBY CRN 56198

TELC 925

***Math for Electricians 3 \$354**
For those about to enter 3rd year apprenticeship program in electrical trade, and for others interested in understanding 3-phase circuits and equipment. (*See Electrical Trade Qualification Certificate Examinations.)

Apr 08 Mon/Wed 10 wks BBY CRN 44821

TELC 926

AC Motors \$90
Covers the principles of AC motor operation, construction, and operating characteristics of the different types of single-phase and three-phase motors.

May 27 Mon/Wed 2 wks BBY CRN 56205

TELC 937

Heating, Ventilating, Air Conditioning Systems for Electricians \$90
Includes terminology, regulations for use, different types of systems for various occupancies, and associated air handling units and control units. Also covers controlling mixed air, supply air, humidification, heating, cooling, individual space control and zone valves.

May 25 Sat 2 wks BBY CRN 56220

TELC 938

AC Systems, Transformers and Distribution \$90
Covers theory, construction and applications of single-phase and three-phase transformers and connections. Secondary distribution discussions will include: vaults, switchboards, unit substations and other types of distribution systems. Single-phase and three-phase loads are included.

May 25 Mon/Wed 3 wks BBY CRN 56236

TELC 939

Blueprint Reading for Electricians \$90
Gives students an overview of architectural, mechanical and plumbing drawings leading to electrical blueprints and specifications. Includes shop, plan, elevation, sectional and detail drawings. Blueprints of several projects will be analyzed.

Apr 27 Sat 2 wks BBY CRN 56247

TELC 960

****High Voltage 1 \$190**
Introduces basic high voltage theory leading to gradients, electric stress. High voltage cables, terminators, fuses, switches and CB's are also covered. (**See Electrical Contractors Examination 1.)

Apr 27 Sat 5 wks BBY CRN 56272

TELC 961

****High Voltage 2 \$240**
A continuation of TELC 960, examines practical applications for concentric neutral cables, wrapped cone terminators and capacitive grading principles. (**See Electrical Contractors Examination.)

Jun 01 Sat 5 wks BBY CRN 56289

TELC 966

*****Security Alarms 1 \$130**
An upgrade course for those wishing to write Tradesmen's Qualification exam for Security Alarm Installer. Covers Attorney General's regulations, alarm input/output devices, alarm control panels including programming. Security license required for this course.

Apr 16 Tues/Thurs 3 wks BBY CRN 56291

TELC 967

*****Security Alarm 2 \$150**
A follow-up course to TELC 966. Includes U.L.C. regulations, central station monitoring equipment and operation, and documentation about monitoring. Security license required to take this course.

May 07 Tues/Thurs 3 wks BBY CRN 56309

TELC 970

Operational Amplifiers \$275
Basic linear amplifier and non-linear signal processing circuits, differentiators and integrators, voltage and current circuits, Norton op-amps and instrumentation amps. Prerequisite: TELX 951 or equivalent.

May 14 Tues/Thurs 5 wks BBY CRN 55545

*Electrical Trade Qualification Certificate Examinations:
To become eligible to write a TQ examination, approval from the Ministry of Advanced Education, Training and Technology is required. It is strongly recommended by the Ministry that tradespersons contact the Ministry before registering at BCIT.

**Electrical Contractors Examination:
To become eligible to write the Class B or C Electrical Contractors Examination, you must be a Journeyman Electrician and have the necessary approved work experience. To become eligible to write the Class A Electrical Contractors Examination, you must have the necessary approved work experience, including work in high voltage. (The equivalent of high voltage work experience can be obtained by completing TELC 960 and TELC 961). Details can be obtained from the B.C. Ministry of Municipal Affairs, Electrical Safety Branch, and it is recommended that eligibility approval be obtained before enrolling at BCIT.

***Due to security considerations TELC 966 and 967 are restricted to existing employees of security alarm installation companies.

*indicates prerequisite



ELECTRONICS TECHNICIAN

PREREQUISITE: Minimum Grade 10 math recommended.

TELX 949

Introduction to Electronics - DC \$213
For those with little or no understanding of electricity, this course introduces the concepts of voltage, resistance, current, power, capacitance and inductance.

Apr 08 Mon/Wed 6 wks BBY CRN 56346
Apr 09 Tues/Thurs 6 wks BBY 56358
May 27 Mon/Wed 6 wks BBY 56371
May 28 Tues/Thurs 6 wks BBY 56385

TELX 950

Introduction to Electronics - AC \$213
Explores the effects of AC on resistive, capacitive and inductive circuits. Impedance, reactance, resonance and bandwidth are also covered. Prerequisite: TELX 949.

Apr 08 Mon/Wed 6 wks BBY CRN 42284
Apr 09 Tues/Thurs 6 wks BBY 49876
May 27 Mon/Wed 6 wks BBY 50055
May 28 Tues/Thurs 6 wks BBY 51630

TELX 951

Solid State Devices \$227
Focuses on semiconductor theory, diodes, LED's, Zeners and bipolar transistors. Rectification and basic power supplies are also covered.

Apr 08 Mon/Wed 6 wks BBY CRN 42304
May 27 Tues/Thurs 6 wks BBY 50192

TELX 952

Digital Fundamentals \$227
Introduces number systems and codes, Boolean algebra, truth tables, logic gates, combinational logic and flip-flops.

Apr 09 Tues/Thurs 6 wks BBY CRN 42268

TELX 953

Advanced Digital \$227
Continuing from TELX 952, this course introduces registers, counters, arithmetic circuits, data conversions, memory devices and displays.

May 28 Tues/Thurs 6 wks BBY CRN 42250

TELX 954

Microprocessors 1 \$275
Based on the 6800 microprocessor, the course covers microcomputer basics, architecture, addressing modes, branching, computer arithmetic and simple programming in machine language.

Apr 09 Tues/Thurs 6 wks BBY CRN 57970

TELX 955

Microprocessors 2 \$275
A continuation of TELX 954, focused on stack operations, subroutines, input/output operations, interrupts and interfacing simple circuits.

May 27 Mon/Wed 6 wks BBY CRN 42458

TELX 965

Solid State Devices and Applications \$227
Includes common amplifier circuits using bi-polar or FET devices, regulators and transistor switching. Amplifier parameters such as input/output impedance, phasing, bandwidth and gain are also covered. Prerequisite: TELX 951.

Apr 08 Mon/Wed 6 wks BBY CRN 57113
May 28 Tues/Thurs 6 wks BBY 57124

TCMP 913

Microcomputer Systems Maintenance 2 \$255

Teaches maintenance skills with hands-on instruction in the repair of keyboards, disk drives, controllers and monitors for an IBM computer system series. Prerequisite: TCMP 911.

Apr 09 Tues/Thurs 6 wks BBY CRN 47897

MATHEMATICS FOR TRADES

TMAT 935

***Industrial Mathematics 1 \$176**
Arithmetic operations, fractions, decimals, metric systems, ratio and proportion, percentages, area and volume are covered.

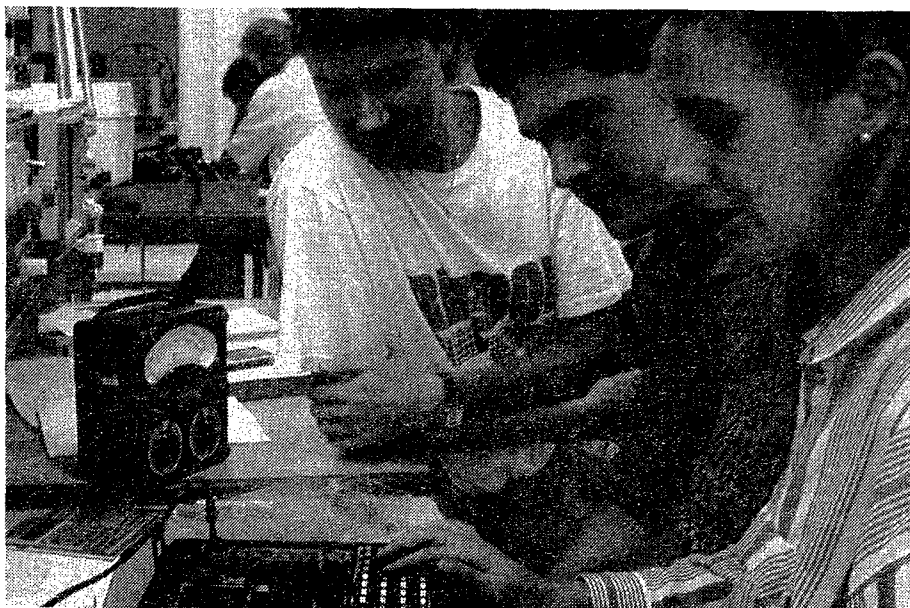
Apr 02 Tues/Thurs 5 wks BBY CRN 56157

TMAT 936

***Industrial Mathematics 2 \$140**
Algebra operations, equations and formulas, exponents and logarithms, graphs, trigonometry and trade applications are covered.

May 07 Tues/Thurs 4 wks BBY CRN 48642

*Indicates prerequisite.



GLAZING

GLAZ 901

Blueprint Reading for Glaziers \$137
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. Not an estimating course.

Apr 22 Mon/Wed 3 wks BBY CRN 48563

HEAVY DUTY MECHANIC

HDMX 902

Mobile Hydraulics \$306
For heavy equipment mechanics/operators. Students will be able to analyze component requirements, diagnose failures and prescribe solutions.

Apr 02 Tues/Thurs 8 wks BBY CRN 51846

HDMX 905

Heavy Duty Mechanic TQ Refresher \$306
For tradespersons preparing for the Provincial Heavy Duty Mechanic Trade Qualification Examination, and those wanting a current review.**

Apr 08 Mon/Thurs 10 wks BBY CRN 46783

HDMX 925

Air Brakes for Mechanics \$230
For mechanics with limited experience servicing air brakes, and for owner/operators of trucks/fleets.

Apr 06 Sat 5 wks BBY CRN 51858

HDMX 930

Commercial Transport Mechanic TQ Refresher \$306
For tradespersons preparing for the Provincial Commercial Transport Mechanic Trade Qualification Examination, and those wanting a current review.**

Apr 08 Mon/Thurs 10 wks BBY CRN 47137

HDMX 950

***Commercial Vehicle Inspector \$230**
Prepares tradespersons to write the Examination for Authorization of Inspectors of Vehicles. B.C. Ministry of Transportation and Highways curriculum is used.

Apr 09 Tues/Thurs 5 wks BBY CRN 52018
May 27 Mon/Wed 5 wks BBY 52005

* Indicated prerequisite.

**T.Q. Examinations are conducted by the Ministry of Advanced Education, Training and Technology. Contact the area office nearest your residence to determine your eligibility and schedule an examination.

JOINERY

JOIN 901

Woodwork Basic \$237
For those who wish to increase their job opportunities by learning new skills. Will appeal to hobbyists familiar with hand and power tools.

Apr 16 Tues/Thurs 7 wks BBY CRN 48572

INDUSTRIAL COMPUTING AND CONTROL

The following courses are taken from our Advanced Industrial Computing Program (A.I.C.). A.I.C. is a 20-week full-time day program, designed to meet technological changes.

TCMP 903

Introduction to Computers for Electricians \$175

Introduction to the personal microcomputer. Allows the student to become familiar with the use of the microcomputer (IBM and compatible) and its MS-DOS operating system, including computer terminology, hardware, directories and basic DOS commands to manage disks and files.

Apr 08 Mon/Wed 4 wks BBY CRN 56810

TCMP 904

Programming in BASIC for Tradesmen \$250

Designed for the tradesman involved in the design, installation and maintenance of systems which include, as part of a greater system, modules which require to be programmed in BASIC computer language.

May 13 Tues/Thurs 5 wks BBY CRN 56828

TELC 927

Motor Control 1 \$177

A practical, hands-on course covering the basic principles of conventional motor control for those working in industrial settings.

Apr 08 Mon/Wed 5 wks BBY CRN 44839
May 13 Mon/Wed 5 wks BBY 56218

TELC 946

DC Variable Speed Drives \$90
Covers an area of growing importance: service and maintenance. Concentrates on the most common types of electronic drive units and uses of solid state components.

Apr 13 Sat 2 wks BBY CRN 56254

TELC 947

AC Variable Frequency Drives \$90
Concentrates on the most common types of electronic drive units and the use of solid state components in drives. Theory and circuitry of static drive systems and speed control are covered.

Apr 27 Sat 2 wks BBY CRN 56263

TELX 903

Digital Electronics for Trades \$190

A practical hands-on course designed to instruct the tradesman responsible for maintenance of electronic control equipment. Includes a review of discrete devices with extensive instruction on digital devices at the chip level.

Apr 08 Mon/Wed 5 wks BBY CRN 56314

TELX 904

Introduction to Microprocessors for Trades \$190

Hands-on training involving 8 bit and 16 bit microprocessors. Designed for tradesman who intend to continue in the industrial computing environment.

May 13 Mon/Wed 5 wks BBY CRN 56323

TELX 926

Fiber Optics 1 \$125

The theory of optics, light sources, detectors and systems. LED transmitters and receivers will be demonstrated and tested. Fiber optics splicing techniques will be introduced.

May 25 Sat 2 wks BBY CRN 56337

TELX 966

Digital Communications for Trades \$190

A continuation of TELX 952 involving serial and parallel communications at the microprocessor level. Designed prerequisite to the Programmable Logic Controller courses.

Apr 09 Tues/Thurs 5 wks BBY CRN 56887

TELX 981

Programmable Controllers 1 \$250

Covers the basic knowledge required to operate a programmable controller. Includes overview and advantages of PLC's, installation, hardware requirements, peripheral devices, system operation and hands-on programming to relay replacement level, using dedicated programming terminals. Students should have industrial wiring experience and familiarity with motor control schematics.

Apr 08 Mon/Wed 5 wks BBY CRN 42376

May 14 Tues/Thurs 5 wks BBY 51648

TELX 982

Programmable Controllers 2 \$250

Provides hands-on training in the use of dedicated programming software. Explores the power of the PLC data manipulation, math routines and data comparison instructions. Prerequisite: PLC 1

Apr 09 Tues/Thurs 5 wks BBY CRN 42355

May 13 Mon/Wed 5 wks BBY 42361

TELX 983

Programmable Controllers 3 \$250

Continues the exploration of the power of the PLC by expanding on file and data manipulation routines including serial and sequencing functions. Prerequisite: PLC 2.

May 14 Tues/Thurs 5 wks BBY CRN 51681

MACHINIST

MACH 900

***Machinist TQ Refresher \$306**

A refresher course for tradespersons to upgrade their theoretical abilities, in preparation for writing the provincial Machinist T.Q. Exam or for those wishing to refresh their theoretical knowledge of the Machinist Trade.**

Apr 06 Sat 10 wks BBY CRN 48589

MACH 905

Lathe Operator \$276

Provides a general understanding of engine lathe operations.

Apr 08 Mon/Wed 6 wks BBY CRN 48591

MACH 906

***Milling Machine Operator \$276**

Provides a basic understanding and practical experience of milling machine operations.

May 22 Wed/Mon 6 wks BBY CRN 48607

MACH 909

Introduction to Computers for Machinists 1 \$183

An introductory course on the use of computers. Designed for students wishing to continue on to the Computer Numerical Control courses.

Apr 15 Mon/Wed 3 wks BBY CRN 51044

MACH 910

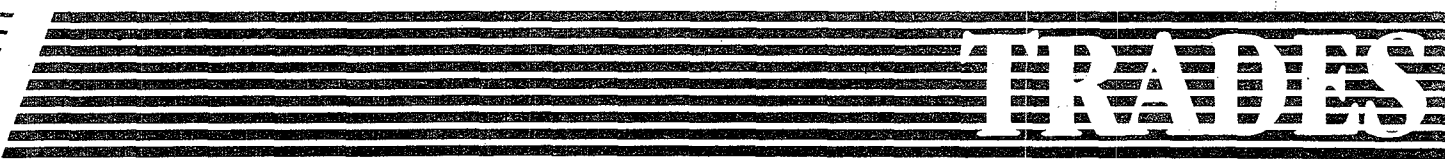
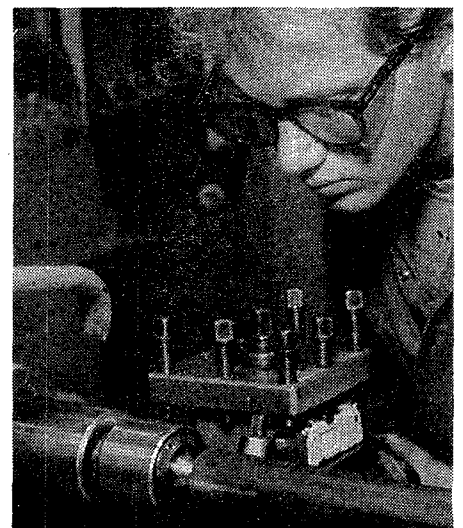
***Introduction to Computer Numerical Control \$346**

An entry level hands-on course which introduces the concepts of CNC to those with little or no prior CNC experience.

Apr 09 Tues/Thurs 8 wks BBY CRN 48615

* Indicates prerequisite.

** T.Q. Examinations are conducted by the Ministry of Advanced Education, Training and Technology. Contact the area office nearest your residence to determine your eligibility and schedule an examination.





MOTORCYCLE/ MARINE/SMALL ENGINE MECHANIC

SENG 900 Small Engine Powered Equipment Maintenance \$259

Covers maintenance and general repair of engines and allied equipment on lawn mowers, chain saws, generator units and other utilities powered by air-cooled two-and four-stroke engines.

Apr 16 Tues/Thurs 8 wks BBY CRN 56144

SENG 911 Introduction to Motorcycle Maintenance \$171

Introduces motorcycle owners and enthusiasts to the basic principles of motorcycle maintenance, service and diagnostic procedures.

Apr 17 Wed 8 wks BBY CRN 51996

MILLWRIGHT

MILL 902 *Industrial Hydraulics Stationary \$246

Assists maintenance personnel at industrial sites in the testing, repair, examination and troubleshooting of basic fluid power circuits and component parts.

Apr 09 Tues/Thurs 7 wks BBY CRN 49220

*Indicates prerequisite.

REFRIGERATION

TREF 916 *Commercial Air Conditioning 3 \$283

Students will be able to troubleshoot electrical control systems; install and adjust thermostats, remove, replace and start up compressors, and clean systems.

Apr 09 Tues/Thurs 8 wks BBY CRN 51871

TREF 917 Refrigeration TQ Refresher \$312

For tradespersons preparing for the Provincial Refrigeration Trade Qualification Exam, and for those wanting a current review.**

Apr 08 Mon/Wed 11 wks BBY CRN 47146

TREF 921 *Commercial Air Conditioning - Shop 1 \$369

Students troubleshoot air conditioning systems for malfunctions and carry out preventive maintenance.

Apr 20 Sat 6 wks BBY CRN 47989

TREF 922 Basic Refrigeration System Design \$276

Will familiarize the journeyman with the proper design techniques while ensuring federal and provincial codes are adhered to.

Apr 09 Tues/Thurs 6 wks BBY CRN 56166

* Indicates prerequisite.

**T.Q. Examinations are conducted by the Ministry of Advanced Education and Job Training. Contact the area office nearest your residence to determine your eligibility and schedule an examination.

PRACTICAL HORTICULTURE

HRTC 903 Introductory Professional Floristry \$507

Introduces basic floristry techniques and design elements, an overview of the floristry industry, employee and customer expectations, and general information as preparation for working in the trade. Allows practical hands-on experience with silk, dried and fresh floral materials used in a variety of design presentations. Discusses and prepares floral applications common to the floristry business. Fee includes all floral materials. Course held off campus.

Apr 09 Tues/Wed 8 wks OC CRN 53156

HRTC 912 Plant Propagation \$153

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.

Apr 30 Mon/Wed 3 wks BBY CRN 45779

HRTC 915 Professional Lawn Maintenance \$182

For those viewing this as a job opportunity, or for homeowners wanting a quality lawn. Site preparation, seeding and sodding; mowing, fertilizing, watering and thatching; weed and moss control; insect and disease control.

Apr 09 Tues/Thurs 4 wks BBY CRN 45782

HRTC 918 Practical Gardening for the Homeowner \$185

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.

May 04 Sat 5 wks BBY CRN 48046

HRTC 919 Pruning Basics \$110

Techniques for pruning shrubs, fruit trees, soft fruit, climbing and wall plants, trees, hedges and roses.

Apr 09 Tues/Thurs 3 wks BBY CRN 58024

HRTC 920 Indoor Plant Maintenance \$185

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.

Apr 13 Sat 4 wks BBY CRN 48058

HRTC 921 Design for the Town Garden 1 \$157

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.

Apr 22 Mon/Wed 4 wks BBY CRN 48060

HRTC 922 *Design for the Town Garden 2 \$185

Learn the 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. Prerequisite: HRTC 921 or equivalent.

May 20 Mon/Wed 5 wks BBY CRN 48071

HRTC 931 Plant Identification 1 \$157

Basics of nomenclature and plant identification. Includes botanical, common and family names; plant culture, hardiness, landscape placement and propagation.

Apr 13 Sat 4 wks BBY CRN 48085

HRTC 932 Plant Identification 2 \$157

Continuation of HRTC 931 with the use of plant keys and field trips included.

May 11 Sat 4 wks BBY CRN 48092

HRTC 958 Ikebana Workshop \$61

The Japanese art of flower arranging. Fee includes all materials and supplies.

May 11 Sat 1 day BBY CRN 49980

HRTC 959 Flower Arranging Workshop \$94

Learn to make a table centerpiece and arrangements of fresh flowers to take home. Fee includes all materials and supplies for three arrangements.

Apr 27 Sat 1 day BBY CRN 58062

*Indicates prerequisite.

POWER ENGINEERING

Correspondence/Tutorial Courses

For persons currently employed in industrial plants. Provides the necessary knowledge to write the Interprovincial Power Engineering Certification Examinations.

You can study at home (correspondence) or in class (tutorials) using telephone or drop-in help from experienced instructors.

In order to write the Interprovincial Examinations, candidates must have specified practical qualifying experience as outlined in the B.C. Power Engineer's, Boiler and Pressure Vessel Safety Act. Contact the nearest office of the B.C. Ministry of Municipal Affairs, Safety Engineering Services, Boilers Branch, or the Chief Engineer Examiner in Vancouver at (604) 660-6252, for detailed information.

Applicants must have good written English skills. 1st, 2nd and 3rd Class applicants must possess the next lower certificate, unless exempted by the Boilers Branch. Classroom attendance is flexible to accommodate shift schedules. Classroom hours are from 0800 to 1515 Monday to Friday. From mid-October to mid-May, evening instruction is available Monday through Thursday until 1930.

Participants use self-study learning materials to complete written assignments. Direct instructor assistance is provided when necessary. A reference library and instructional videotapes are available to supplement course materials.

Registration in 4th, 3rd, 2nd and 1st Class Programs is in groups of 2 or 3 courses as indicated. One year is allowed to complete a group from date of registration.

PENG 910 Boiler Operator Level 1

PENG 913 Fourth Class Level 1

PENG 914 Fourth Class Level 2

PENG 915 Third Class Part A Paper 1

PENG 916 Third Class Part A Paper 2

PENG 917 Third Class Part B Paper 1

PENG 918 Third Class Part B Paper 2

PENG 919 Second Class Part A Paper 1

PENG 920 Second Class Part A Paper 2

PENG 921 Second Class Part A Paper 3

PENG 922 Second Class Part B Paper 1

PENG 923 Second Class Part B Paper 2

PENG 924 Second Class Part B Paper 3

PENG 925 First Class Part A Paper 1

PENG 926 First Class Part A Paper 2

PENG 927 First Class Part A Paper 3

PENG 928 First Class Part A Paper 4

PENG 929 First Class Part B Paper 1

PENG 930 First Class Part B Paper 2

PENG 931 First Class Part B Paper 3

PENG 932 First Class Part B Paper 4

PIPING/ PLUMBING/GAS

PPGS 905 Cross Connection Control \$254

Designed for persons involved in the installation and maintenance of back flow pollution prevention devices for domestic water supply.

Apr 08 Mon/Wed 7 wks BBY CRN 44755

PPGS 909 Gas Fitter B License \$353

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.

Apr 23 Tues/Thurs 14 wks BBY CRN 57552

PPGS 914 Class C Appliance Service \$318

Holder may service gas appliances for residential or light commercial up to 400,000 BTU.

Apr 02 Tues/Thurs 13 wks BBY CRN 57569

PPGS 917 Plumbing: Residential \$177

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.

Apr 06 Sat 4 wks BBY CRN 44761

PPGS 918 Gas Venting License \$103

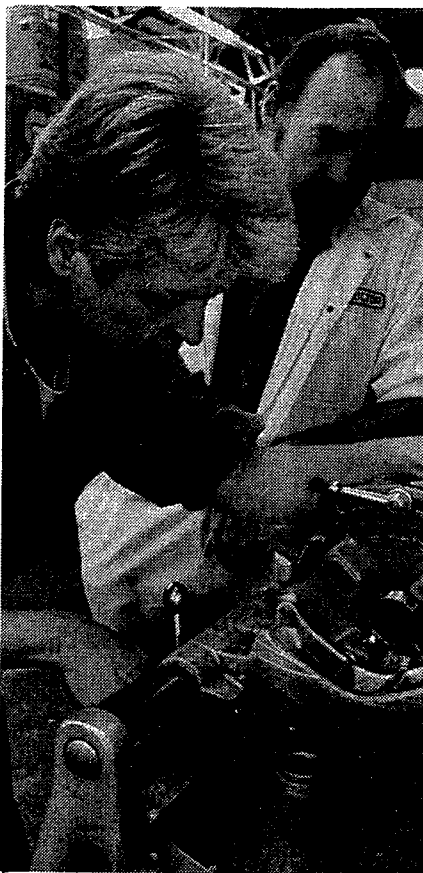
Designed for persons who must install B-Vents to Gas Branch standards. Includes license exam.

Apr 08 Mon/Wed 4 wks BBY CRN 54908

PPGS 922 Piping Trades Math \$158

Designed for persons in the Piping Trades industry interested in math upgrading.

Apr 15 Mon/Wed 5 wks BBY CRN 57145



**REGISTER
NOW!
434-1610**

**Classes start week of
April 8**



PAINTING AND DECORATING

PDEC 923

Furniture Finishing and Refinishing \$178
For students with little or no experience of furniture finishing.

Apr 20 Sat 6 wks BBY CRN 49613

PDEC 933

Painting and Decorating TQ Refresher \$306

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.**

Apr 16 Tues/Thurs 10 wks BBY CRN 57108

**T.Q. Examinations are conducted by the Ministry of Advanced Education, Training and Technology. Contact the area office nearest your residence to determine your eligibility and schedule an examination.



STEEL FABRICATION

STEL 909

Steel Fabrication \$283

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.

Apr 15 Mon/Wed 10 wks BBY CRN 57159

STEL 913

Steel Fabrication: Plate and Pipe Development \$192

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).

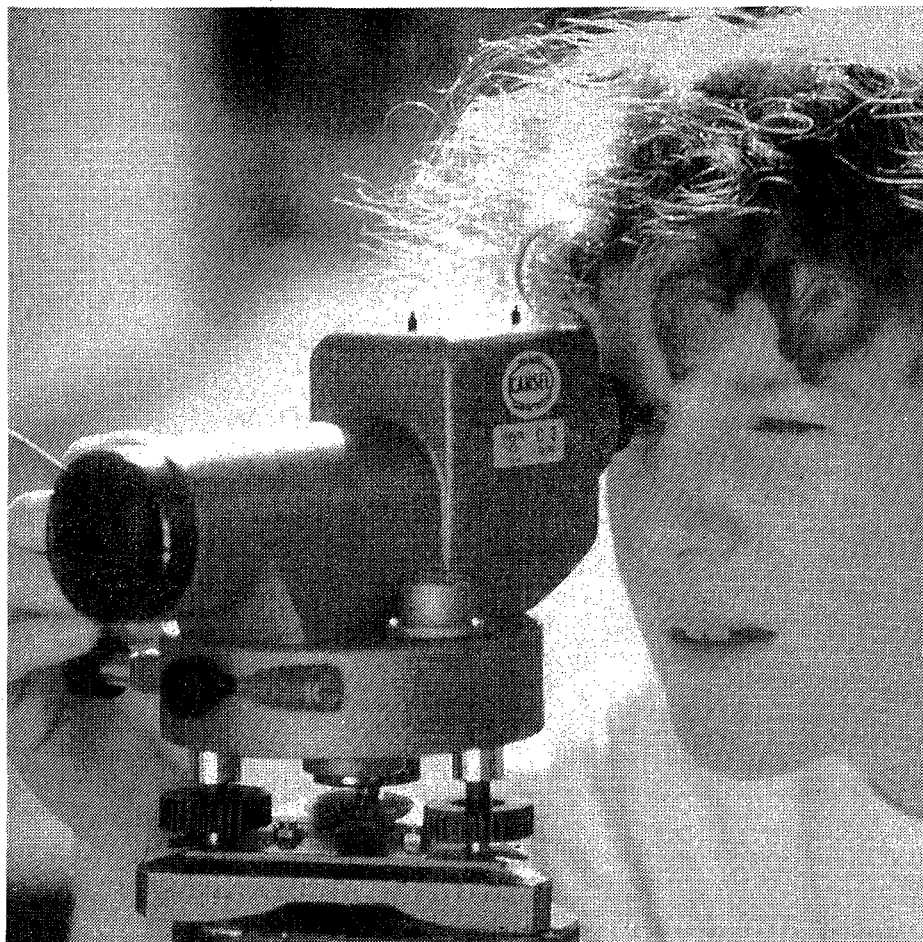
Apr 16 Tues/Thurs 6 wks BBY CRN 57261

STWD 901

Blueprint Reading for Welding and Steel Fabrication Basic \$187

Training covers all aspects of blueprint reading for welding.

Apr 16 Tues/Thurs 5 wks BBY CRN 57255



WELDING

WELD 903

Oxyacetylene Welding: Braze Welding \$292

A basic fuel gas welding course for beginners. Includes safety, shop practice procedures and operation of related equipment.

Apr 20 Sat 7 wks BBY CRN 48650

WELD 915

Shielded Metal Arc Welding Basic \$395

A basic arc welding course for the individual who wishes to learn S.M.A.W. to trade standards.

Apr 20 Sat 8 wks BBY CRN 48668

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.

Apr 20 Sat 6 wks BBY CRN 48673

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.

Apr 20 Sat 6 wks BBY CRN 48703

WOMEN IN TRADES

TEXP 900

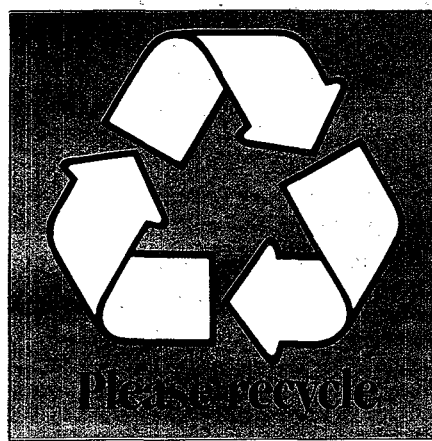
Trades Exploratory Program for Women \$100

This course is designed to help women make an informed choice about entering a skilled trade as a career.

Six trades will be explored in terms of working conditions, physical requirements, labor market conditions, wage rates and support services. The six trades are: Automotive, Plumbing, Welding, Electrical, Machining and Electronics. Hands-on projects in shop areas will give you an appreciation for the type of work these trades offer. Students will have ample opportunity to meet and talk with women working in the trades.

Funding may be available for those requiring assistance.

Apr 24-Jul 24 Wed 14 weeks BBY CRN 53983

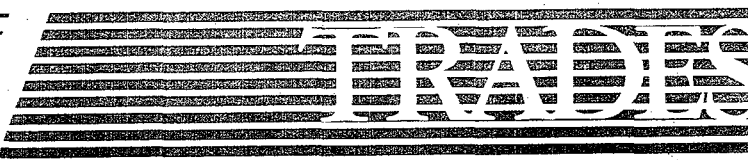


REGISTER NOW!

**The Spring/
Summer term
begins April 8**

**Tel. 434-1610
FAX 430-1331**

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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.

Your receipt will follow by mail, however, you should confirm your registration and deadlines before classes start.

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
CLOSED SATURDAY ON HOLIDAY WEEKENDS.

EXCEPTIONS TO REGULAR HOURS OF OPERATION:

March 18 to April 26, 1991
Monday to Thursday 0830 to 2030
Friday 0830 to 1630
Saturday 0830 to 1230
July 8 to August 15, 1991
Monday to Friday 0830 to 1630
Saturday CLOSED

HOW TO REGISTER

At the Downtown Campus,
549 Howe Street, Vancouver.

Monday to Thursday 0830 to 1800
Friday 0830 to 1630
Saturday CLOSED

Registration in person at the Surrey site for courses held in Surrey,

*Princess Margaret School,
128 Street & 72 Avenue, Surrey.

Monday to Thursday 0900 - 2030
Friday 0900 - 1530

*Closed March 28 to April 5

*Closed July 1 to September 2

HOURS OF REGISTRATION ARE SUBJECT TO CHANGE.

REGISTER BY PHONE

EXPECT DELAYS OF 10 to 30 MINUTES IF REGISTERING BY TELEPHONE AFTER APRIL 2, 1991.

Students who have enrolled in courses since July 1984 can register by phone using MasterCard or Visa.

Phone the Burnaby Campus at: 434-1610.

Phone the Downtown Campus at: 687-4666.

CERTIFICATE PROGRAMS

Part-time Studies courses lead to certificate programs in most areas. 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 a Program Advisor to discuss a certificate program.

For certificate program approval, you can make an appointment with the appropriate program advisor by calling 434-3304. Evening and Saturday interviews are available.

COURSE CANCELLATIONS

The Institute reserves the right to cancel courses if enrolments are insufficient. A full refund of tuition fees or a letter of credit will be issued for courses cancelled by the Institute. We truly regret any inconvenience this may cause.

COURSE TRANSFER/CHANGE - \$15 FEE

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.

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.

Miscellaneous Fees

NSF/Returned Cheques \$15
Duplicate T2202A 10
Transcript (plus \$1 each extra) 5

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 Spring/Summer term, 1991 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 from the main TNT store (2N breezeway) and the #2 TNT store (1A lobby).

Open Hours - Parking

April 29 to May 23, 1991
Monday to Thursday 0730 to 1920
Friday 0830 to 1630
Saturday to May 18 0900 to 1600

May 24 to August 15, 1991

Monday to Friday 0730 to 1530

Note: Refunds are available at point of purchase only. Hours may be extended if necessary.

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 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
KINGSTON COLLEGE (HOL)	1845-2145
RICHMOND (RIC)	1845-2145
SEA ISLAND (SEA)	1900-2200
SURREY (SRY)	1900-2200

Classes start week of April 8.

PART-TIME STUDIES REGISTRATION



PERSONAL DATA

Social Insurance Number			Student Name (Last Name, First Name)		
Month	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:
Mailing Address (Number and Street)					Status (If Not Canadian) <input type="checkbox"/> Landed Immigrant <input type="checkbox"/> Student Authorization
City/Town					R.N. Number (If Applicable)
Prov.		Postal Code		Home Phone Number	
Work Phone Number		FAX Phone Number		Company Name	

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: ☐ Full Fees Paid by You

☐ Full Fees Paid by Employer (Approval Attached)

☐ Special Arrangement (Approval Attached)

FOR "MAIL IN" APPLICATIONS

Paid By: ☐ Cheque/Money Order (Enclosed)
☐ Visa
☐ MasterCard

Card No.:

Issue Date:

Month	Year	Month	Year
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Expiry Date:

TOTAL AMOUNT PAID

\$

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
(Unsigned registration forms may be returned unprocessed.)

Date

Please complete and return to BCIT Registration, 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2