



**NORTHWEST COMMUNITY COLLEGE**

**Terrace**

# **PROGRAM GUIDE**

**Winter  
1990**



**Save for Future Reference!**

## WINTER SEMESTER - CALENDAR OF EVENTS

JANUARY 1990						
S	M	T	W	TH	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
FEBRUARY 1990						
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			
MARCH 1990						
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
APRIL 1990						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					
MAY 1990						
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		
JUNE 1990						
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

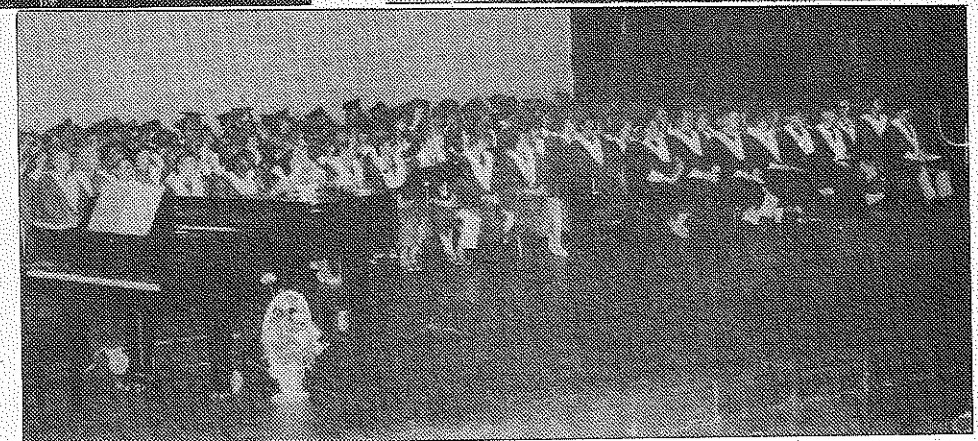
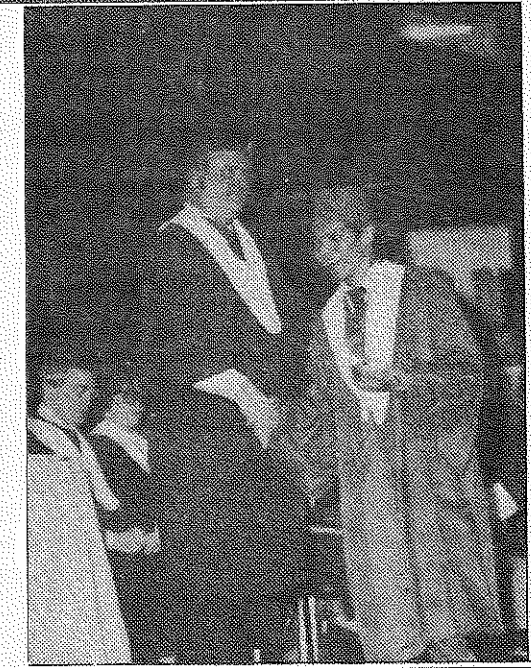
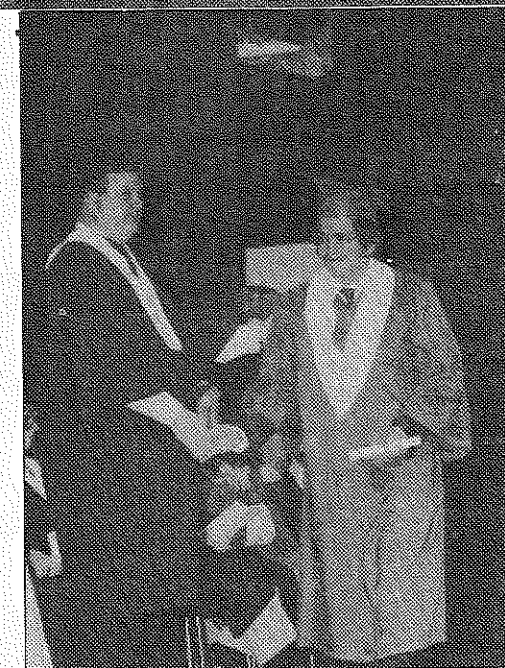
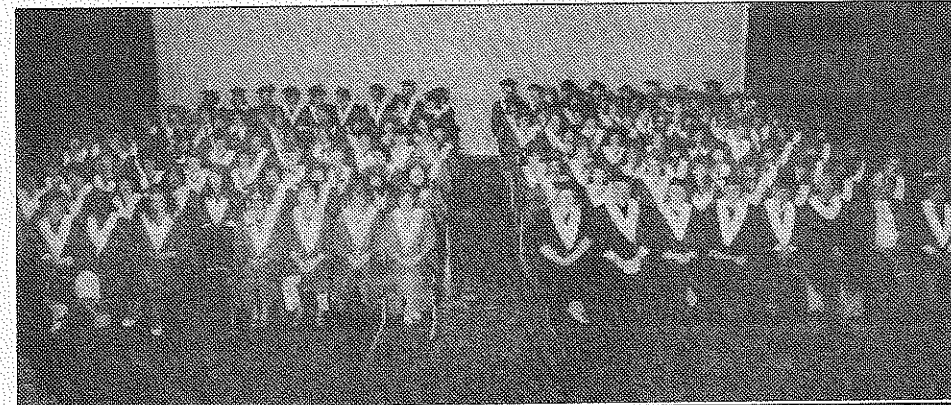


### 1990

- Jan. 1 New Years Day  
COLLEGE CLOSED
- Jan. 2 REGISTRATION  
& commencement of classes.
- Jan. 8 Career & University Transfer  
classes begin.
- Jan. 19 Last day for LATE  
registration in Career &  
University Transfer programs.  
Last day for changing  
classes in Career & University  
Transfer programs.
- Mar. 2 Last day for official  
withdrawal from Career &  
University Transfer programs.
- Apr. 13 Good Friday  
COLLEGE CLOSED
- Apr. 16 Easter Monday  
COLLEGE CLOSED
- Apr. 23 Practicum begins for CSW,  
ECE & HSW programs.
- Apr. 27 Last Day of classess for HSW  
& University Transfer  
programs.
- May 21 Victoria Day  
COLLEGE CLOSED
- June 1 Practicum ends for ECE.
- June 4 June Intensive session for  
ECE begins.
- June 22 ECE June Intensive session  
ends.  
Extended practicum ends for  
most Career programs.

*A first for N.W.C.C.*

*Graduation  
May 6, 1989*





# Table of Contents

Courses and programs are listed under the following general headings.  
We hope you find a course or program you would like to take!

	<u>PAGES</u>
REGISTRATION INFORMATION	1 - 2
STUDENT SUPPORT SERVICES Bookstore, Career Resource Centre, Learning Resource Centre, Financial Aid	3 - 5
ACADEMIC/UNIVERSITY TRANSFER	6 - 11
ADULT BASIC EDUCATION PROGRAMS English, Mathematics, Science & Social Science Up-Grading, Tutorial Service, English Language Training, G.E.D. Preparation & Testing	12 - 13
ADULT SPECIAL EDUCATIONAL NEEDS	14
BUSINESS PROGRAMS Career Programs, Diploma Programs, First Aid, Mobile Computer Centre	15 - 18
CAREER PROGRAMS Continuing Care Assistant, Community Support Worker, Early Childhood Education, Human Service Worker, Nursing	19 - 24
SPECIAL INTEREST COURSES/WORKSHOPS	25 - 28
TRADES TRAINING PROGRAMS TRAC, Carpentry, Cook Training, Driver's Training, Electronics Technician, Millwright, Mechanical Training, Commerical Vehicle Inspection Certification, Interior Log Scaling, Welding	29 - 36
TELECOLLEGE COURSE INFORMATION	37

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<b>Printers:</b>	<b>Close-Up Business Services Ltd., Terrace, B.C.</b>

## LEARNING IS A LIFELONG EXPERIENCE!



# Registration Information

Register at

**NORTHWEST COMMUNITY COLLEGE**  
**Student Services, 5331 McConnell Avenue, Terrace, B.C.**

Registrations will be accepted for ALL courses listed on a **FIRST COME BASIS**.

**PAYMENT** for courses, textbooks or other materials may be made with  
**CASH, CHEQUE, VISA OR MASTERCARD.**

### STUDENT SERVICE HOURS:

**Monday to Thursday: 8:00 a.m. - 6:00 p.m.**  
(7:00 p.m. September & January)

**Friday: 8:00 a.m. - 5:00 p.m.**

### **REGISTER EARLY!**

*Early registration is recommended, as extremely popular programs/courses fill immediately. Many non-credit course class sizes are limited so again it is important to PRE-REGISTER with your PRE-PAYMENT.*

**DON'T BE DISAPPOINTED! LACK OF MINIMUM ENROLLMENT ONE WEEK BEFORE A COURSE IS SCHEDULED TO START CAN RESULT IN CANCELLATION OF THAT COURSE.**

### **TUITION FEES**

The following is a general overview of the fees and charges for N.W.C.C. courses, effective September 1, 1989. Fees subject to change.

<b>ACADEMIC &amp; CAREER - All courses</b> (University Transfer, Business Administration C.S.W., E.C.E., H.S.W. & Nursing)	\$27.50 per credit hour per semester. MAXIMUM \$417 per semester
<b>TRADES &amp; ABE - Full-time</b>	\$20.00 per week payable on semester basis in advance.
<b>- Part-time</b>	Inquire at College
<b>DEPOSITS (Refundable)</b>	
Residence Deposit	\$ 50.00
Trades Book & Tool Deposit	\$ 50.00
Adult Basic Education & Business Careers Program Book Deposit	\$ 50.00
Acceptance Down Payment	\$100.00

*Business & Industry, Health and other Contract Courses will have other fees than listed above and will be advertised individually.*

## Late Registration, Refund Policy and Tuition Fee Information

### General Conditions:

1. Full refunds will be made only if a course is cancelled by the College or if a student withdraws from a course for medical or bereavement reasons prior to the course start date.
2. Refunds requested prior to the course start date will be assessed an administration charge of \$10.
3. There will be no refunds for courses with tuition fees of \$10 or less except for those conditions in General Statement #1.

### Part-time Courses: (Includes Part-time RES Courses and Part-time Vocational Courses)

1. Withdrawal before the second class of a course - 100% of tuition fees less a \$10 administration charge.
2. Withdrawal after the second class of a course - NO REFUND.
3. Special registration and refund policies apply to courses labelled as "Designated Courses". NO REFUNDS will be made after the pre-registration date unless the space can be sold to another student, in which case the withdrawing student will be refunded 100% of the tuition fee less a \$10 administration charge.

### Academic: (University Transfer - Part and Full-time)

1. A \$10 "late registration" charge will be assessed to any student registering after the second class or after the second week in standard semester courses.
2. Withdrawal after second class - 80% of tuition fee less a \$10 administration charge.
3. Withdrawal after third or fourth class - 50% of tuition fee less a \$10 administration charge.
4. Withdrawal after fifth class - NO REFUND.

### Vocational: (Full-time)

1. A \$10 "late registration" charge will be assessed to any student registering after the first day of classes in a full-time vocational program.
2. Vocational full-time fees are assessed on a calendar month basis, prorated as necessary in the first and last months.
3. Refunds on withdrawal before completion will be 100% of the unused tuition (part months prorated as above) less a \$10 administration charge. There will be no administration charge on refunds for students who have completed their program earlier than anticipated when fee payment was made.

### Tuition Reduction: (For Seniors & Disabled)

Senior Citizens (age 65 or over) and registered disabled persons are eligible for tuition-free enrolment in many Northwest Community College courses on a stand-by basis, provided that space is still available within 7 days of the commencement of the course. This exemption will not apply to Security or Tool Deposits or to any charges for materials, books and supplies that are levied against other students in the course. Further information on this exemption can be obtained from the Registrar's Office or the Regional Centre nearest you.

### Sponsored Students:

Students whose fees will be paid by sponsoring agencies are required to present a letter to this effect from the agency concerned at the time of registration.

### Income Tax:

Tuition receipts totalling over \$100 are income tax deductible, (Please keep your receipt).

### Holidays:

Classes are not normally held on Statutory Holidays.



## Student Support Services

### BOOKSTORE

The bookstore is located on the ground floor of the Cafeteria building adjacent to the student Residence Offices, the student lounge and the dormitories. The Bookstore sells textbooks and course materials for various College courses and programs, general interest books and magazines, stationery and school supplies, and some novelty items. The Bookstore operates as a mail drop-off point and stamps are available. The College Bookstore will assist companies in acquiring texts for apprentices and in-house training programs.

### BOOKSTORE HOURS

#### MONDAY - FRIDAY

9:00 a.m. - 10:30 a.m.  
11:00 a.m. - 1:00 p.m.  
2:15 p.m. - 3:15 p.m.

Should the Bookstore  
be closed during the times listed,  
contact the  
Switchboard (General Office)  
in the Administration Building  
for assistance.



## CAREER RESOURCE AND COUNSELLING SERVICES

### Mapping out your Future!

Talk to a Counsellor or Student Adviser, you'll be glad you did!

### CAREER RESOURCE CENTRE HOURS

Monday to Friday 8:00 - 4:30 p.m.

Evening appointments can be arranged. Call 635-6511, Local 316 or 236.

Phone or drop in for an appointment.

### Do you have questions about:

- making a career decision?
- career exploration?
- matching courses & programs for your career choice?
- University degree requirements?
- College and University information Canada-wide?
- College rules and regulations?

Students can come in for personal counselling or receive help in dealing with such student concerns as FINANCIAL AID, STUDY SKILLS, EXAM PREPARATION, or anything which may affect student life at the College.

The CAREER RESOURCE CENTRE has an up-to-date selection of College and University calendars from across Canada. There is also a wealth of information on all types of careers. Counselling can help when you are faced with decisions that affect your life as a student.

## LEARNING RESOURCE CENTRE

(Library/Media Services)

Located in the lower level of the Administration Building

THE L.R.C. OFFERS A WIDE RANGE OF SERVICES:

### 1. COLLECTIONS

- Books
- Magazines
- Newspapers
- Computer Software
- Videos
- Music Cassettes
- 16 mm Films
- Archives
- Oral Histories
- Local Newspapers on microfilm
- Maps
- Aerial Photos
- Gov't Documents
- Slides & Filmstrips

### 2. FACILITY

- Student study carrels and group study area
- Restful lounge area
- Audio and video playback equipment
- Convenience typewriter and photocopier
- Photography darkroom

### 3. SERVICES

- Library orientation and instruction sessions
- Audio visual workshop
- Reference and research assistance

#### L.R.C. HOURS - SEPTEMBER through MAY:

Monday - Thursday	8:00 a.m. - 10:30 p.m.
Friday	8:00 a.m. - 5:00 p.m.
SATURDAY	1:00 p.m. - 5:00 p.m.
Sunday	1:00 p.m. - 9:00 p.m.

(SUMMER HOURS are posted June through August)

## NWCC'S LEARNING RESOURCE CENTRE

invites you to "Let your fingers do the walking..."  
through our ON-LINE PUBLIC ACCESS CATALOGUE!

#### IF YOU HAVE:

1. a computer
2. a modem
3. a burning desire to go to the library without leaving home

THEN, simply dial up your local DATAPAC number, and proceed as follows:

DATAPAC ADDRESS: 65100028

Username? ALIBCAT

Select #1

and.....

```
.....
.
. WELCOME
. to the
. NORTHWEST COLLEGE ON-LINE CATALOGUE
.
.....
```

If you are a beginner, enter "b" and press "Return" key.

If you need help, enter "h" and press "Return" key.

If you are an experienced user, enter your search.

Type in "B" if a first time user OR....Phone the nearest College Centre and have a NWCC's "On-Line Public Access Catalogue - User's Manual" sent to you.

HAPPY BROWSING!

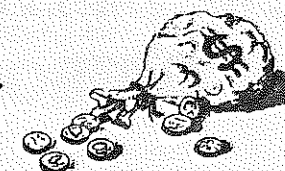
The LRC is open to ALL residents of the College region. There is NO CHARGE for joining.

## FINANCIAL AID

Does the COST of EDUCATION put a STOP to your plans?

\* Financial Aid can be in many forms.  
Such as LOANS, SCHOLARSHIPS and BURSARIES.

\* You may borrow money, interest free, through the  
CANADA STUDENT LOAN or B.C. LOAN PROGRAMS.



The College provides over \$16,000 each year in non-repayable Bursaries.

The College has an Entrance Scholarship program which may pay up to full tuition for THIS year's Secondary School Graduates IN OUR REGION.

FINANCIAL AID HOURS  
Monday to Friday 8:30 a.m. - 4:30 p.m.

DO NOT HESITATE TO APPLY. YOU WON'T RECEIVE HELP UNLESS YOU DO!  
DROP IN OR CALL 635-6511 FOR FINANCIAL AID INFORMATION.

## ATTENTION - SECONDARY SCHOOL GRADUATES from within the Northwest College region!

Are you concerned about the cost of Post-Secondary Education?

WE CAN HELP!

!!! N.W.C.C. ENTRANCE SCHOLARSHIP !!!

One BIG way to help cut the cost of your first year  
attendance at a Post-Secondary Institution.

If you graduate from a recognized secondary school program from within the Northwest College region (School Districts 50, 52, 54, 80, 88, & 92) not more than 12 months prior to your start date at Northwest Community College, with high academic standing, you could qualify for....

TUITION REDUCTION in the form of an ENTRANCE SCHOLARSHIP.

Tuition may be reduced by 50-100% depending on your grade point average.  
Average is based on your Grade 11 & 12 "Transcript of Grades"

A average	100% of tuition
B+ average	75% of tuition
B average	50% of tuition

[e.g. Based on 1989/90 Tuition Fees, 100% of tuition could mean a savings of \$417 per semester for Academic/Career programs.]

This SCHOLARSHIP can be applied to ANY FULL-TIME PROGRAM.

Check today with our Financial Aid Officer to see if you qualify!

# Academic Programs

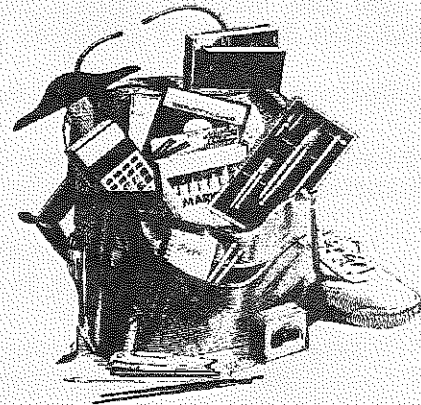
(University Transfer)



Save money by taking  
first or second year  
university courses here!

## General Program Information

The Academic Division offers a varied selection of first and second year university transfer courses in the humanities, social sciences and natural sciences. You can select a combination of required and elective courses to complete your first or second year of studies towards a college diploma or university degree.



## Part Time and Evening Program

Northwest Community College welcomes part-time learners.

To work around their job or family commitments, many individuals register for only one or two courses. Other people choose to take a specific course that is of special interest to them or which might be of particular benefit in their employment. Call us, we would be pleased to help you select the courses that meet your special needs.

## Admission

The College has an 'OPEN' admission policy. Mature students may be admitted without submission of their high school transcript. However, recent graduates are expected to submit their transcript.

### REGISTRATION INFORMATION

Registration for ALL ACADEMIC COURSES will take place  
January 2nd - 5th 1990

Register in person at the Terrace Campus

CLASSES START JANUARY 8, 1990

Last day for late registration and changing of classes is  
Friday, January 19th for ALL Academic students.

For fee schedule see Registration Section (Page 1).  
Most courses consist of three credit hours.

For further registration information consult the College Calendar,  
or contact Student Services 635-6511.

## University Transfer Course Descriptions

### HUMANITIES

**English 102-3: Literature and Composition II**  
Reading and discussion of modern fiction, drama and poetry. Lectures on grammar, style and argumentation. Written assignments based on analysis of the literature read, personal experience, and subjects of general interest. (3, 0, 0)

**Section I**  
Tuesday 9:00 a.m. - noon  
J. Patterson

**Section II**  
Monday 7:00 - 10:00 p.m.  
M. Swift

**Section III**  
Thursday 1:00 - 4:00 p.m.  
J. Patterson

**Section IV**  
Tuesday 7:00 - 10:00 p.m.  
I. Jordan

**English 151-3: English for Human Oriented Careers**  
Methods and forms of technical writing, including letters, resumes, short reports, and communications with media. Lectures and exercises in grammar, vocabulary and style. Students will also read and discuss some modern literature. (3, 0, 0)  
Wednesday 9:00 a.m. - 4:00 p.m.  
(Ends February 28th)  
Instructor: TBA

**English 204-3: Canadian Literature from World War I to Present**  
The English literature of Canada from the Great War to the 1980's (with some French Canadian Literature in translation). Reading and discussion of works by Frederick P. Grove, Gabrielle Roy, Margaret Laurence, Hugh MacLennan and others. Written assignments based on the works read. (3,0,0)  
Tuesday 7:00 - 10:00 p.m.  
G. Stanley

**French 102-3: Introductory French II**  
This course is a continuation of French 101 with introduction to some original French literature. (4.5,0,0)  
Prerequisite: French 101 or equivalent.  
Monday & Wednesday 4:00 - 6:00 p.m.  
J. Patterson  
Immersion Weekend - TBA

**French 108-3: Intermediate French II**  
This course is a continuation of French 107 with introduction to more original French literature. (4.5,0,0)  
Prerequisite: French 107, Grade 12 or permission of the instructor.  
Monday & Wednesday 7:00 - 9:00 p.m.  
J. Patterson  
Immersion Weekend - TBA

**Spanish 102-3: Introductory Spanish II**  
This course is a continuation of Spanish 101. (4,0,0)  
Prerequisite: Spanish 101.  
Thursday, 7:00 - 10:00 p.m.  
Instructor: TBA

### SOCIAL SCIENCE

**Anthropology 102-3: Introduction to Social & Cultural Anthropology**  
With a global and comparative perspective this course will study a variety of customs and beliefs of people who are alive today or who lived in the recent past. We will look at the differences and the similarities in how these customs solve such basic human problems of making a living, organizing, raising children and dealing with the supernatural. (3, 0, 0)

**Section I**  
Wednesday 1:00 - 4:00 p.m.  
S. Mark

**Section II**  
Wednesday 7:00 - 10:00 p.m.  
S. Mark

**Anthropology 112-3:  
Native Peoples of British Columbia**

This course is an introductory study of native Indian peoples of B.C. from the time prior to contact with the Europeans to the present. Emphasis will be placed on examination of the traditional societies and the history of the European colonial impact. Finally, selected current issues such as land claims, education, aboriginal rights, Indian status and political actions will be discussed. (3, 0, 0)

Thursday 7:00 - 10:00 p.m.  
R. Berthiaume

**Anthropology 202-3:  
Social Organization II**

A continuation of Anthropology 201, with emphasis on anthropological analysis of modern complex societies. We will examine the rise of industrialism and the spread of European colonialism and the effects of these developments on various aboriginal and Third World peoples throughout the world. (3, 0, 0)

Monday 7:00 - 10:00 p.m.  
S. Mark

**Economics 201-3:  
Principles of Microeconomics**

A continuation of Economics 202 with an introduction to micro-economic theories and emphasis on national and international financial relations, banking and monetary policies. The course will include an analysis of sectoral economic problems and policies in Canada and their impact on specific groups in society. (3,0,0)

Wednesday 7:00 - 10:00 p.m.  
P. Weber

**History 106-3:  
Canada since the 1860s**

This course will focus on a critical analysis of social and economic developments; particular attention will be given to the experiences of women, workers and native people and to British Columbia. Political decision making will be studied in the wider context of socio-economic determinants. (3,0,0)

No Prerequisite: This course may be taken for university transfer credit or for general interest.

Thursday 7:00 - 10:00 p.m.  
P. Weber

**Political Science 203-3:  
International Politics**

A seminar-style analysis of major global issues and events and what's behind them. Attention will be given to economic relations and the influence of ideologies. (3,0,0)

NO PREREQUISITE: This course may be taken for university transfer credit or for general interest.

Friday 9:00 - 12:00 noon  
P. Weber

**Psychology 102-3:  
Introductory Psychology II**

This course is a continuation of Psychology 101. Topics include; motivation and emotion; thinking and communicating; understanding human personality; assessing individual differences; understanding and managing stress; therapies for personal change; and the psychology of social behavior. Psychology 101 and 102 are prerequisites for other psychology courses at NWCC. (3, 0, 0)

Prerequisite: Psychology 101 or permission of instructor.

**Section I**

Wednesday 9:00 - 12:00 noon  
A. Klingner

**Section II**

Thursday 9:00 - 12:00 noon  
A. Klingner

**Section III**

Tuesday 7:00 - 10:00 p.m.  
A. Klingner

**Psychology 202-3:  
Developmental Psychology II**

This course is a continuation of Psychology 201. The topics included are the physical, cognitive and psychosocial aspects of development in the school years, adolescence, adulthood and late adulthood. (3,0,0)

Prerequisite: Psychology 101 and 102, Psychology 201 or permission of the instructor.

Wednesday 5:30 - 8:30 p.m.  
A. Klingner

**Sociology 102-3:  
Introductory Sociology II**

Using a variety of sociological perspectives this course examines the major institutions of society and some of the major trends of modern society. Religion, minority groups, education, politics, urbanization, industrialization and social movements will form the basis of the course. (3, 0, 0)

Tuesday 1:00 - 4:00 p.m.  
S. Mark

**Sociology 206-3:  
Sociology of the Family II**

A continuation of first semester with emphasis on cross-cultural aspects of family such as sexual practices, marriage styles, living arrangements and child-rearing practices set in various social and economic contexts. (3, 0, 0)

Thursday 1:00 - 4:00 p.m.  
S. Mark

**Sociology 207-3:**

**Sociology of Labour: Work, Workers,  
and Trade Unions in our Society**

This course will analyse social, economic and political implications of the labour process; how workers cope with them and how unions, business and governments respond to them. Topics will include alienation and social change, workers' participation in decision making, government social and economic policies, nature of the mode of production, ideologies and differing perspectives, roles and relationships, workers in the public and private sectors, women in the labour force, and what do unions do? (3,0,0)

*This is a one-semester course; emphasis will be on discussion of background reading material.*

This course may be taken for interest or for university transfer credit. It should be of particular interest to workers and trade unionists.

Monday 7:00 - 10:00 p.m.  
P. Weber



Dr. Jo Patterson,  
Guide - France in  
1990 Study Tour,  
June 24 - July 29  
(see P. 11 for  
information details).

**SCIENCE**

**Biology 102-3:  
Introductory Biology II**

A continuation of Biology 101. The course covers Mendelian genetics, population genetics, evolution, a survey of the living world including micro-organisms, plants and animals, and ecology. There will be a weekend field trip to the coast to study the intertidal life. The laboratory will cover genetics, culturing of *Drosophila*, the classification of living things, micro and macro studies of the morphology of organisms, and field technique. (3, 3, 0)

Prerequisite: Biology 101 or consent of instructor.

Monday & Wednesday 1:00 - 2:30 p.m.  
A. Gottesfeld

**Biology 102-3: LAB I**

Tuesday 9:00 - 12:00 noon  
A. Gottesfeld

**Biology 102-3: LAB II**

Tuesday 1:00 - 4:00 p.m.  
A. Gottesfeld

**Chemistry 102-3:  
Introductory Chemistry II**

Chemistry 102 is a continuation of the study of chemical principles. This course also consists of three topics, namely, a quantitative description of chemical reactions, an introduction to electrochemistry and a survey of organic chemistry. In the first, both the rates of reactions and their long time, or equilibrium, behaviour will be investigated. In the second, a study of oxidation/reduction reactions and electrochemical cells (batteries) will be conducted. The final topic will include organic nomenclature and a description of simple reactions associated with various organic functional groups. (3,3,0)

Prerequisites: Chemistry 101 or permission of the instructor.

Monday, Wednesday & Friday 8:00 - 9:00 a.m.  
S. Gardner

**Chemistry 102-3: LAB**

Thursday 1:00 - 4:00 p.m.  
S. Gardner

**Chemistry 122-3:**

Continuation of Chemistry 121. (3,0,0)  
Prerequisite: Chemistry 121 or permission of the instructor.

Corequisite: Math 102  
Monday, Wednesday & Friday  
10:00 - 11:00 a.m.  
S. Gardner

**Chemistry 122-3: LAB**

Thursday 7:00 - 10:00 p.m.  
S. Gardner

**Computer Science 122-3:****Data Structures and Algorithms**

Using the programming skills acquired in Computer Science 121 students will explore techniques for the effective solution of sophisticated problems. Topics presented include stacks, recursion, lists, pointers, queues, trees, sorting and searching, and an introduction to the analysis of algorithms. (3,3,0)

Prerequisite: A minimum grade of C in Computer Science 121 or permission of the instructor.

Monday, Wednesday & Friday  
9:00 - 10:00 a.m.  
C. Baird

**Computer Science 122-3: LAB**

Thursday 9:00 - 12:00 noon  
C. Baird

**Geography 160-3:****Social Geography**

Social Geography 160 will focus upon those forces that shape the cultural landscape and provide a conceptual framework through which man-induced processes can be analyzed. Socio-cultural norms will be examined in terms of their impact upon the physical environment. (3, 3, 0)

Thursday 7:00 - 10:00 p.m.  
A. Gottesfeld

**Geography 160-3: LAB**

Monday 7:00 - 10:00 p.m.  
A. Gottesfeld

**LEARNING IS A  
LIFELONG EXPERIENCE!**

*Call 635-6511 for  
registration information!*

**Math 102-4.5:****Calculus II**

A continuation of Math 101. Topics presented include the definite integral and area, volumes, arc length, surface area, techniques of integration, Newton's method, trapezoidal and Simpson's rule, L'Hôpital's rule, improper integrals, Taylor's formula, series and tests for convergence, power and Taylor series. (4.5,0,0)

Prerequisite: A minimum of C in Math 101 or its equivalent.

Monday, Wednesday & Friday  
2:30 - 4:00 p.m.  
C. Baird

**Math. 131-3:****Introduction to Statistics**

An introduction to statistical methods intended primarily for students in the arts, social sciences and humanities. Persons completing the course will develop an understanding of the methods of statistics and facility with basic statistical techniques. Topics presented include descriptive statistics, probability and probability distributions, hypothesis testing, regression and correlation, analysis of variance and non-parametric statistics. (3,0,0)

Prerequisite: Algebra 11 or its equivalent.

Tuesday 7:00 - 10:00 p.m.

Instructor: TBA

**Math 142-4.5:****Mathematics for the Social and Managerial Sciences II**

A continuation of Math 141. Topics presented include techniques of integration, the definite integral, exponential growth and decay, introduction to first-order differential equations, matrix algebra, partial derivatives, linear programming. Not eligible for science credit. Students may not obtain credit for both Math 102 and Math 142. (4.5,0,0)

Prerequisite: A grade of C in Math 141 or its equivalent.

Monday, Wednesday & Friday  
1:00 - 2:30 p.m.

E. Turner

**Physics 102:3****Introductory Physics II**

Physics 102 is a continuation of the study of classical physics. This course also consists of three topics, namely, electricity and magnetism, waves and the death of classical physics, namely, the rise of quantum physics. In the first topic, the electric or Coulomb force will be introduced to study the static behavior of charges. The dynamic motion of charges requires the electric force and it's first relativistic correction, that is, the magnetic force. Both direct and alternating currents will be considered. In the second topic, one dimensional and three dimensional wave motion will be considered. Examples will be sound and light. The final topic will include a discussion of the phenomenon that classical physics could not explain. This resulted in the rise of quantum mechanics. State functions and observables will be discussed. The various laws will be discussed using simple principles of calculus. However, problems and exams will not require calculus for their solutions. (3,3,0)

Prerequisites: Physics 101 or permission of the instructor. NOTE: Students with Physics 12 may not get credit for this course at the major universities.

Monday, Wednesday & Friday 4:00 - 5:00 p.m.  
E. Turner

**Physics 102-3: LAB**

Wednesday 7:00 - 10:00 p.m.  
E. Turner

**Physics 122:3****Physics II (Calculus)**

Physics 122 is also a continuation of the study of classical physics. This course also consists of three topics, namely, electricity and magnetism, waves and the death of classical physics, namely, the rise of quantum physics. In the first topic, the electric or Coulomb force will be introduced to study the static behavior of charges. The dynamic motion of charges requires the electric force and it's first relativistic correction, that is, the magnetic force. Both direct and alternating currents will be considered. In the second topic, one dimensional and three dimensional wave motion will be considered. Examples will be sound and light. The final topic will include a discussion of the phenomenon that classical physics could not explain. This resulted in the rise of quantum mechanics. State functions and observables will be discussed. The various laws will be discussed using principles of calculus. Problems and exams may require calculus for their solutions. (3,3,0)

Prerequisites: Physics 121 or permission of the instructor.

Corequisite: Math 102  
Monday, Wednesday & Friday  
11:00 - 12:00 noon  
E. Turner

**Physics 122-3: LAB**

Wednesday 7:00 - 10:00 p.m.  
E. Turner

*If you require further information on these courses please refer to the Northwest Community College Calendar, or call the Academic Department, Terrace Campus, 635-6511 (Local 240)*



**NORTHWEST COMMUNITY COLLEGE &**

**CENTRE INTERNATIONAL D'ETUDES FRANCAISES**

SPONSORS

**FRANCE IN 1990  
STUDY TOUR**

**PARIS AND ANGERS**  
*Residence with a French family*

*Earn Credits studying Language and Culture*

*Call Jo Patterson 635-6511, Local 249 for further information.*

**June 24 - July 29, 1990**  
**Cost \$3,000.00**  
(Limit: 12 participants)

**INFORMATION EVENING**  
**February 6th - 7:30 p.m.**  
**N.W.C.C. Campus**





# Adult Basic Education

**'YOU NEVER STOP LEARNING'**

## General Information

The Adult Basic Education (ABE) program gives all adults a chance to upgrade their skills and knowledge of English, Mathematics, Science and the Social Sciences. Courses range from basic reading and mathematics through to the provincial level (Grade 12 equivalency). You may enter this program at any time during the year as space permits. An initial Math and English assessment will be done to determine individual placement. Instruction is individualized and self-paced, so the time required to complete the course depends on your initial placement and your own pace through the material. You may attend full-time or part-time, taking as few or as many courses as practical for your needs. An evening program is provided for those unable to attend days. Completion will improve employment opportunities or prepare you for further training in trades, vocational, business, career or university programs.

## Requirements for Admission

Applicants should be over 18 years of age. Underage applicants are subject to additional criteria (See College Calendar for further details).

## How to Apply

Application forms are available from the Student Services Office at the Terrace Campus or from any of the other campus offices. You are encouraged to apply early as there is often a waiting list for this program.

- Fees: See Registration Section (Page 1).
- Date: Continuous intake.
- Time: (Day class) Mon - Fri. 8:00 a.m. - 3:00 p.m.  
(Evening class) Mon.-Thurs. 3:00 - 10:00 p.m. + Fri. 9:00 a.m. - 4:00 p.m.
- Location: Administration Building (Level 2)

## FUNDING AVAILABLE FOR ABE STUDENTS

### Adult Basic Education Student Assistance Program (ABESAP)

- provides funds for tuition.

### B.C. Student Assistance Plan

- available to students enrolled in the Advanced or Provincial levels of the ABE program. It provides funds for tuition, books, and living expenses.

### Sponsorship

- assistance may be available from Federal or provincial government agencies and from native bands.

*If you anticipate financial difficulties you are urged to contact the Financial Aid Officer 635-6511 for information/advice BEFORE you register.*

## ENGLISH LANGUAGE TRAINING

PLEASE REGISTER IN ADVANCE AT NORTHWEST COLLEGE

<b>ADULT ENGLISH CLASSES</b>	成人英語班
ΑΓΓΛΙΚΑ ΜΑΘΗΜΑΤΑ	AIKVISTEN ENGLANNIN LUOKKA
CLASAS PARA ADULTOS	ਦਿੱਤਾ ਦਾਸੀ ਸ਼ਬਦਿਕੀ ਸੀਮਾ ਸਮਾਭ
<b>COURS D'ANGLAIS POUR ADULTES</b>	

### BEGINNER/INTERMEDIATE/ADVANCED

Anyone who wishes to learn English in the evening should attend this multi-level class.

- Instructor: Iverna Stradeski
- Date: January 9 - March 29  
Tues. & Thurs. 7:30 - 9:30 p.m.
- Location: Cassie Hall School
- Fee: \$20.00

## GENERAL EDUCATIONAL DEVELOPMENT TESTS (G.E.D.)

*An Important Notice for Adults Without Grade 12.*

The G.E.D. tests are administered by N.W.C.C. for the Ministry of Education. The five tests are designed to measure your level of achievement in Writing Skills, (including a written essay), Social Studies, Science, Mathematics, and Literature and the Arts. A grade 12 secondary school equivalency certificate is awarded by the Ministry to candidates who pass all five tests. To write the tests, you must be at least 19 years of age, out of high school for at least one academic year, and a B.C. resident.

### EXAMINATIONS WILL BE HELD AT NWCC, TERRACE CAMPUS:

**January 19/20, March 16/17, May 4/5, June 8/9, 1990**

*Your application must be sent to the Ministry at least 3 weeks BEFORE the scheduled test date.*

*Application forms and further details are available at the College office.*

G.E.D. TEXTBOOKS are available at the COLLEGE BOOKSTORE.

### G.E.D. PREPARATION CLASSES

- Instructor: Eila George
- Date/Time: Jan. 9 - March 13, Tuesday 7:30 - 10:00 p.m.
- Location: Caledonia School
- Fee: \$10.00

### TUTORIAL SERVICE

*NWCC, in co-operation with School District #88 offers tutorial service to Terrace High School students.*

Students registered in Grade 10, 11, or 12 in ANY of the Terrace High Schools may attend this program for up to 15 hours per week. Students would get the help they need in particular subject areas, or just use the service as a structured work environment for study and/or homework. This program is also available to those doing high school level correspondence courses who wish extra help.

**HOURS: MONDAY - THURSDAY 3:00 p.m. - 10:00 p.m. FEE: \$10.00/week.**

*Further information can be obtained from School Counsellors or from the ABE Department at Northwest Community College.*

## Adult Special Educational Needs

Students with disabilities are becoming more and more visible on college campuses. Northwest Community College acknowledges the needs of these students and recognizes their right to a post-secondary education.

Northwest Community College hopes to meet the challenge of providing accessible education through innovative programs and services and every effort is being made to create a positive environment within the limits of present structure and available resources.

As part of this effort, the College employs a Co-ordinator of Adult Special Education whose role is to disseminate information, provide guidance, and act as an advocate for students with disabilities.

For further information call Elizabeth Snyder, Adult Special Education Co-ordinator, 635-6511, Local 305.

### Adult Special Education Courses

Programs are being offered to adults with special educational needs to acquire basic knowledge leading to fuller participation in the community. These courses are designed for adults with mental handicaps but would also be of benefit to those who may require additional educational support.

#### FULL-TIME PROGRAM

##### Job Preparation/Work Orientation

Dates: January 2 - April 27  
Times: Mon. - Fri. 8:00 a.m. - 3:00 p.m.  
Fee: See Registration Section (P. 1).

#### PART-TIME PROGRAM

##### Up-Grading/Functional Literacy

Dates: January 2 - April 27  
Times: Mon./Wed./Fri. 12:45 - 3:00 p.m.  
Fee: See Registration Section (P. 1).

### PROPOSED SPECIAL INTEREST COURSES

- Developing Office Skills
- Apartment Living - Responsibilities and Rights
- Know Your Community
- Developing Child Care Skills

Times: Tues./Thurs. 12:45 - 3:00 p.m.  
Fee: See Registration Section (P. 1)

Dates and other details for these courses will be available AFTER January 2nd.

Other special interest ideas are welcome and if six or more individuals are interested the College will attempt to run that course.

Call Debbie Holkestad, Instructor, 635-6511, Local 307 for further information regarding Adult Special Education Courses.



## Business Education Programs

### FULL-TIME CAREER PROGRAMS

- Accounting
- Administrative Secretary
- Clerk-Typist
- Clerk Bookkeeper
- General Secretary
- Industrial Records & First Aid
- Legal Steno
- Medical Steno
- Word Processing
- Word Processing (Advanced)

### TWO YEAR DIPLOMA PROGRAMS

- \* Honours Diploma in Business Administration
- \* Diploma in Office Management
- \* Diploma in General Business
- \* Diploma in Business Administration

Career programs vary in length from 4-12 months with continuous intake.

START DATES for CAREER and DIPLOMA PROGRAMS is January 8, 1990

For further information, contact the Terrace Centre, 635-6511

### PART-TIME CAREER ADVANCEMENT and UP-GRADING COURSES

#### Advanced Typewriting

More complex routine typewriting functions are studied in this course. Students will begin the Northwest College assignment requirements for TYPG 101. Completion carries credit toward a College Certificate. A transcript will also be issued to successful students.

PREREQUISITES: Basic keyboarding or experience to be assessed by the instructor.

Begins January 23  
Tues. & Thurs.  
7:00-9:00 p.m., Rm. 111,  
\$75.00 + books, 40 hrs.

#### Basic Keyboarding

This is a course for persons who have never used a typewriter before. Students will be taught the keyboard and begin learning the many specialized applications of typewriting. Also recommended as a pre-computer course.

Begins January 23,  
Tues. & Thurs  
7:00 - 9:00 p.m., Rm. 111  
\$75.00 + books, 40 hrs.

#### Bookkeeping (ACCT 101) COLLEGE CREDIT

This is an introductory course in the fundamentals of bookkeeping. Routine profit and loss, balance sheets and payroll calculations are included. Completion of this module carries credit toward a Northwest College Business Certificate. Students should have access to a ten-key adding machine.

Begins January 23  
Tues. & Thurs.  
7:00 - 10:00 p.m., Rm. 113,  
\$112.50 + book, 60 hrs.

#### Bookkeeping (ACCT 102) COLLEGE CREDIT.

Students who have previously completed ACCT 101 may enroll for ACCT 102. Areas of study will include: Accounts Payable, Accounts Receivable, Cash Flow, Bank Reconciliation, Promissory Notes and Adjustments.

Begins January 23  
Tues. & Thurs.  
7:00 - 10:00 p.m., Rm. 113,  
\$112.50 + book, 60 hrs.

#### Business Law (BLAW 150/151)

CMA, CGA, CA, CCUI, CITT, COLLEGE CREDIT  
Jan. 9 - May 31, Tues. & Fri.  
1:00-4:00 p.m., Rm. 217  
\$151.20 + Books & Supplies

#### Computer Accounting (BCPT103)

COLLEGE CREDIT  
A course in computer accounting for people with training or experience in the accounting cycle. A hands-on training course, students will learn to set up and maintain accounting records on a microcomputer, as well as the use of spreadsheets. Previous computer experience is preferred. Program includes choice of: New Views, Bedford Integrated Accounting, ACCPAC and Lotus 1-2-3.  
PREREQUISITE: Acct 101/102 &/or Acct 150/151 or equivalent.

Begins January 27, Sat.  
9:00 a.m. - 3:00 p.m., Rm. 109  
\$125.00 + Supplies, 40 hrs.  
Enrollment limited to 12

**Computer Accounting (BCPT 153)**  
COLLEGE CREDIT  
March 26 - May 31  
Mon. & Wed.  
9:00 a.m. - 12:15 p.m.,  
Rm. 217  
\$75.60 + Supplies

**Introduction to Computers (BCPT 102)**  
COLLEGE CREDIT.  
This course is intended for people who have little or no experience with computers. The object is to introduce the student to computers, their use and limitations. The student should complete the course with the ability to feel comfortable in a computer environment. The course includes substantial 'hands on' computer experience.

**COURSE I**

Begins January 9  
Tue. & Thurs.  
7:00 - 10:00 p.m., Rm. 109  
\$105.00 + supplies, 42 hr.  
Enrollment limited to 14

**COURSE II**

Begins February 27  
Tue. & Thurs.  
7:00 - 10:00 p.m., Rm. 109  
\$105.00 + supplies, 42 hrs  
Enrollment limited to 14

**COURSE III**

Begins April 17  
Tue. & Thurs.  
7:00 - 10:00 p.m., Rm. 109  
\$105.00 + supplies, 42 hrs  
Enrollment limited to 14

**COURSE IV**

Begins June 5  
Tue. Wed. & Thurs.  
6:00 - 10:00 p.m., Rm. 109  
\$105.00 + supplies, 42 hrs  
Enrollment limited to 14

**Cost and Management Accounting (ACCT. 252/253)**  
CMA, CGA, CA, CCUI,  
COLLEGE CREDIT  
January 8 - May 31  
Mon. & Thurs.  
10:15 a.m. - 1:00 p.m.  
Rm. 108,  
\$151.20 + books

**Introductory Financial Accounting (ACCT 150/151)**  
CMA, CGA, CA,  
COLLEGE CREDIT  
Begins January 23,  
Tues. & Thurs.  
7:00 - 10:00 p.m., Rm. 108  
\$112.50 + Books

**Introductory Financial Accounting (ACCT 150/151)**  
CMA, CGA, CA, CCUI,  
COLLEGE CREDIT  
Jan. 9 - May 31,  
Tues. & Thurs.  
8:00 a.m. - 10:00 a.m.,  
Rm. 108  
\$151.20 + Books & Supplies

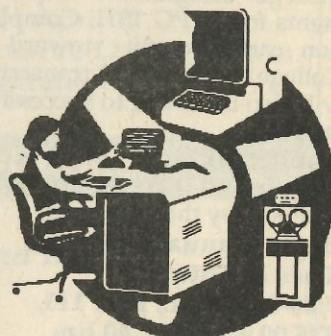
**Income Tax (TAXN. 250)**  
CMA, CGA, COLLEGE CREDIT  
Jan. 9 - Mar. 16, Tues. & Fri.  
8:00 - 11:00 a.m., Rm. 217  
\$75.60 + Books & Supplies

**Intermediate Financial Acct. (Acct. 250/251)**  
CMA, CGA, CA,  
COLLEGE CREDIT  
Jan. 9 - May 31, Tues. & Fri.  
1:00 - 4:00 p.m., Rm. 108  
\$151.20 + Books

**Organizational Behaviour (MGMT. 251)**  
CMA, CA, CCUI,  
COLLEGE CREDIT  
Mar. 27 - May. 31,  
Tues. & Fri.  
8:00 - 11:00 a.m., Rm. 217  
\$75.60 + Books

**Statistics (MATH 151)**  
CMA, CGA, CA, CCUL,  
COLLEGE CREDIT  
Jan. 8 - Mar. 16, Mon. & Wed.  
9:00 a.m. - 12:15 p.m., Rm. 217  
\$75.60+ Books

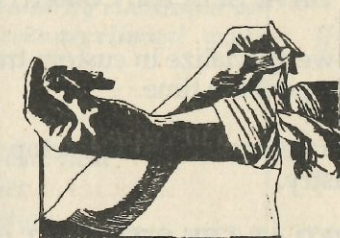
**Word Processing**  
COLLEGE CREDIT  
Students may choose from:  
Wordperfect, Wordstar, Multi-  
mate, Microsoft Word.  
PREREQUISITE: BCPT 102 or  
equivalent.  
Begins January 22  
Mon. & Wed.  
7:00 - 10:00 p.m., Rm. 109  
\$105.00 + Supplies  
Enrollment limited to 12



**DON'T BE  
DISAPPOINTED  
PRE-REGISTER!**

**FIRST AID COURSES**

<b>INDUSTRIAL FIRST AID</b>	<b>BASIC FIRST AID</b>	<b>SURVIVAL FIRST AID</b>
<p><b><u>Course I</u></b></p> <p>January 15 - March 21 Monday &amp; Wednesday 7:00 - 10:00 p.m., Rm. 215 \$275.00 includes Books &amp; Exam, 60 hrs.</p>	<p>Each course consists of W.C.B. 8 hrs. Survival First Aid plus 16 hrs of General First Aid for a total of 24 hrs.</p> <p><b>\$110 per person, includes Book &amp; Exam</b></p>	<p>WCB 8 hour Survival First Aid.</p> <p><b>\$55 per person includes Book &amp; Exam</b></p>
<p><b><u>Course II</u></b></p> <p>February 5 - 16 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215 \$275.00 includes Books &amp; Exam, 66 hrs.</p>	<p><b><u>Course I</u></b></p> <p>February 20 - 23 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215</p>	<p><b><u>Course I</u></b></p> <p>January 20 Saturday 8:00 a.m. - 5:00 p.m. Rm. 215</p>
<p><b><u>Course III</u></b></p> <p>March 12 - 23 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215 \$275.00 includes Books &amp; Exam, 66 hrs.</p>	<p><b><u>Course II</u></b></p> <p>March 26 - April 15 Monday &amp; Wednesday 7:00 p.m. - 10:00 p.m., Rm. 215</p>	<p><b><u>Course II</u></b></p> <p>February 6 &amp; 8 Tuesday &amp; Thursday 7:00 p.m. - 10:30 p.m. Rm. 215</p>
<p><b><u>Course IV</u></b></p> <p>April 30 - May 11 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215 \$275.00 includes Books &amp; Exam, 66 hrs.</p>	<p><b><u>Course I</u></b></p> <p>February 20 - 23 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215</p>	<p><b><u>Course III</u></b></p> <p>March 10 Saturday 8:00 a.m. - 5:00 p.m. Rm. 215</p>
<p><b><u>Course V</u></b></p> <p>June 11 - 22 Monday to Friday 8:00 a.m. - 3:00 p.m. Rm. 215 \$275.00 includes Books &amp; Exam, 66 hrs.</p>	<p><b><u>Course II</u></b></p> <p>March 26 - April 15 Monday &amp; Wednesday 7:00 p.m. - 10:00 p.m., Rm. 215</p>	<p><b><u>Course IV</u></b></p> <p>March 31 Saturday 8:00 a.m. - 5:00 p.m. Rm. 215</p>
	<p><b><u>Course III</u></b></p> <p>May 14 - June 6 Monday &amp; Wednesday 7:00 p.m. - 10:00 p.m., Rm. 215</p>	<p><b><u>Course V</u></b></p> <p>April 18 &amp; 25 Wednesday 7:00 p.m. - 10:30 p.m. Rm. 215</p>
		<p><b><u>Course VI</u></b></p> <p>May 19 Saturday 8:00 a.m. - 5:00 p.m. Rm. 215</p>



Phone the College for details, 635-6511

## MOBILE COMPUTER CENTRE

Northwest Community College can deliver a wide range of Business Application Courses on-site to organizations throughout the College region. With Lap-top computers and a library of software, our Business Instructors travel throughout the region to bring hands-on computer training to you.



We offer **COURSES, SEMINARS and WORKSHOPS** at your site, N.W.C.C. Campuses or at other suitable facilities.



Software packages that we can cover from beginning to advanced levels include:

Lotus 1-2-3 Multiplan Framework First Choice	Lotus Symphony Smart Wordstar Wordperfect	Multimate VP-Expert DBase III/IV VP-Planner ACCPAC	Pagemaker Bedford Autocad New Views .....and More!
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### Custom Training

#### DOES YOUR ORGANIZATION HAVE SPECIAL COMPUTER TRAINING NEEDS?

With our Mobile Computer Centre, we specialize in custom training, tailored to make your employees productive in the shortest possible time.

We also design complete training strategies and can develop plans that take advantage of government training funds for industry.

**ALL TRAINING IS DELIVERED AT THE SITE MOST CONVENIENT TO YOU  
- BE IT YOUR PREMISES OR ONE OF OUR CAMPUSES.**

### General Public Workshops - Terrace Campus

DATE	TIME	WORKSHOP
Jan. 15 (Monday)	7:00 - 10:00 p.m.	Intro. to MS DOS
Jan. 16 (Tuesday)	7:00 - 10:00 p.m.	Intro. to Word Processing
Jan. 17 (Wednesday)	7:00 - 10:00 p.m.	Intro. to Spreadsheets
Feb. 17 (Saturday)	9:00 a.m. - 4:00 p.m.	Intermediate Spreadsheets
Feb. 20 (Tuesday)	7:00 - 10:00 p.m.	Intermediate MS DOS
Feb. 21 (Wednesday)	7:00 - 10:00 p.m.	Interm. Word Processing
Feb. 22 (Thursday)	2:00 - 9:00 p.m.	Accpac Accounting
April 25 (Wednesday)	7:00 - 10:00 p.m.	Intro. to MS DOS
April 26 (Thursday)	7:00 - 10:00 p.m.	Intro. to Spreadsheets
April 28 (Saturday)	9:00 a.m. - 12:00 noon	Intermediate MS DOS
April 28 (Saturday)	1:00 - 4:00 p.m.	Advanced MS DOS
May 5 (Saturday)	9:00 a.m. - 4:00 p.m.	Intermediate Spreadsheets

For more information or consultation call The Mobile Computer Centre 635-6511.



## Career Programs

### CONTINUING CARE ASSISTANT

*This program replaces Longterm Care Aide and Homemaker programs.*

The goal of this course is to prepare an individual to function as a valuable member of the health care team. The graduate will be able to provide care, under supervision, to assist their clients in meeting basic needs and to achieve the highest possible quality of life. The graduate will be employable as a Home Support Worker in the client's home, as a Continuing Care Assistant functioning as a member of a team in facilities providing Personal Care, Intermediate Care and Extended Care, and in Group Homes.

#### Program Structure

This is a full-time sixteen week program.

*The first eight weeks are primarily classroom instruction. The final eight weeks are clinical experience.*

#### Theory

- Orientation to the health care field
- Communication techniques
- Body Structure and Function
- Nutrition
- Safe and Clean Environment
- Growth and Development
- First Aid and CPR
- Personal Assistance

#### Practicum

Areas used in the practicum will vary with the location of the program.

*If at all possible the following practicum placements will be accessed.*

- Extended Care
- Intermediate Care
- Home Support Services
- Group Homes

**There will be exams and assignments to assess student progress.**

#### ADMISSION REQUIREMENTS

##### The applicant must have:

1. Completed Grade 10, ABE Intermediate Level or its equivalent.  
*(This requirement may be waived at the discretion of the College).*
2. Submit a satisfactory medical examination and immunization record prior to final acceptance.
3. A satisfactory interview where the following will be assessed:
  - desire to work in the health care field
  - responsibility
  - communication skills
  - personal presentation

#### FEES

See the general information section of the College Calendar.

Students must purchase their own books and uniform.  
Cost is usually about \$150.00.



**Start Date: January 1990 (pending Provincial funding)**

**Applications being accepted at Student Services.**

**Location: Terrace Campus**

**For further information call 635-6511, Local 276.**

## COMMUNITY SUPPORT WORKER

The Community Support Worker Program provides training for individuals who wish to work with people who have varying degrees of handicaps and disabilities. The program stresses issues such as psychology, communications, health care, sociology and program planning. While community support work is an often stressful and complex profession, rewarding career opportunities are available as program planner, self help workers, group home care worker, instructor aides and child care workers for program graduates.

*Applications for the academic term should be submitted through the Registrar's office as early as possible.*

### Admission Requirements

Persons accepted into the C.S.W. program must:

1. Have Grade 12 English writing level.
2. Present evidence of a medical examination and evidence of a recent chest X-ray for T.B.
3. Demonstrate a mature attitude, and must attain age 19 by graduation.
4. Submit two letters of reference from people in social services, preferably in the field of disabilities.
5. Participate in a personal interview prior to acceptance.
6. Produce a one page covering letter on why you would like to take the program.
7. Work or volunteer experience in the field of disabilities is strongly recommended.
8. Students should be aware that some employers will request a Crime Prevention information check as a stipulation of employment.
9. New students may be admitted into selected courses in January of each year.

### Dates and Locations

The program extends from September until June of each year at the Terrace Campus. The first semester starts in September and expires before Christmas. The second semester begins in January and finishes at the end of April. The third semester is an extended two month field practicum undertaken with a community agency. The extended practicum is done in the months of May and June.

### Student Status, Probation

See General Information section of the College Calendar.

### Fees

See Registration Section (Page 1).

Winter Semester	
CSW 210-3	Leisure Activities
CSW 221-3	Health Care and the Handicapped
CSW 225-3	Groups and Teamwork
CSW 230-3	Training Techniques for Practicum II
Psychology 102-3	Introductory Psychology II
Sociology 206-3	Sociology of the Family II

## C.S.W. Course Descriptions

### CSW 210-3 Leisure Activities

This course is the study of leisure and play opportunities for people who have handicaps. The student will be familiar with the functions of leisure activities. Also the student will be able to adapt, organize and implement these activities (i.e. play, sports, music, social games and hobbies) to the needs of his or her clients. Prerequisite: C.S.W. 100 or student can be admitted in by discretion of the instructor. It is also suggested that students have a basic background or experience in program planning.

Wednesday, 1:00 p.m. - 4:00 p.m., D. Wong

### CSW 221-3

#### Health Care and the Handicapped

This course is the study of basic first aid, the community care licensing requirements that are related to health care issues such as the use of and storage of medication, understanding human needs, and stress management. Also, the student will be introduced to some strategies in which to meet the needs of the clients (i.e. assisting clients during meal times, learning to lift and transfer clients safely). Class meetings will involve guest speakers, lectures, discussions, and videos.

Thursday, 6:30 p.m. - 10:00 p.m.

D. Wong

### CSW 225-3 Group and Teamwork

This course is the study of specific issues related to working effectively within residential teams and groups. By the end of the course, the student will be aware of characteristics and issues of group functions on a general and specific level (i.e. providing services as a team for exceptional people). This course requires active participation by all students. Class time will include lectures, discussion, role plays, and practice sessions. NOTE: Suggested by instructor that student takes CSW 110 or have knowledge of helping skills.

Monday, 6:00 p.m. - 10:00 p.m., D. Wong

### CSW 230-3 Training Techniques for Practicum II

This course is a continuation of the structure of the available community resources with an emphasis upon visits to particular agencies and residences. The student will also be introduced to ideas and issues of research and planning in the social services. Students will be expected to produce a hypothetical research plan and social service brief.

Tuesday, 8:30 a.m. - 12:00 noon, D. Wong  
12:30 p.m. - 4:00 p.m., D. Wong

### CSW 231-3

#### Training Techniques for Extended Practicum

This course is the final portion of the structure of the available community resources. The student will spend two hundred and forty hours in a particular community agency or residential setting that s/he wishes to be trained in. During the practical hours, the student will be expected to apply ideas, issues and skills of research and planning in his/her practicum placement.

Prerequisite: CSW 130 and CSW 230.

Date & Time: TBA,  
D. Wong

### Psychology 102-3:

#### Introductory Psychology II

See Academic section for description.

### Sociology 206-3:

#### Sociology of the Family II

See Academic section for description.



**Expand your earning power.  
Advance your Career Goals.  
DON'T DELAY  
ENROL TODAY.**

## EARLY CHILDHOOD EDUCATION

### Winter Semester

**ECE 121: Program Development II**  
History of early childhood and childcare throughout the world. Current issues in Early Childhood. (4,0,2)  
Monday & Thursday 9:00 a.m. - noon,  
Joan Turecki

**ECE 122: Curriculum Development II**  
A continuation of 121 with an emphasis in the curriculum areas of music, science and social studies. (6, 0, 0)  
Tuesday 9:00 a.m. - noon  
Thursday 1:00 p.m. - 4:00 p.m.  
Joan Turecki

**ECE 123: Issues in Family Living**  
The course covers working with people, family forms, marriage and family patterns. It will examine the changes occurring in family life. (4, 0, 0)  
Monday 1:00 p.m. - 4:00 p.m.  
Instructor: TBA

**ECE 126: Practicum II**  
To participate in a centre, as an assistant, two days per week, plus 3 week block practicum. (0,14,0)

**ECE 127: Practicum III (May Practicum)**  
To participate as a staff member in one pre-school or day care centre for five weeks. (0, 35, 0)

**ECE 135: Working with Special Children (HSW 160)**  
An introduction to causes of learning handicaps of the communicationally, physically, learning and severely handicapped. Recognition of behavioral commonalities among exceptional children, including the gifted. (4, 0, 0)  
Tuesday 1:00 p.m. - 4:00 p.m.  
Darlene Westerman

**English 151-3:**  
See Academic Section for description.

**Psychology 201/202-3:**  
See Academic Section for description.

### JUNE INTENSIVE 1990 Extended Semester Times & Instructors: TBA

**ECE 128: Models & Methods of Parent Involvement**  
Topics will include a variety of programs and methods of implementing parent work in different communities and institutional settings. (3, 1, 0)

**ECE 131: Program Development II**  
A continuation of 121 with an emphasis in the total programming area. Units of planning with themes will be the focus. (3,3,0)

**ECE 132: Curriculum Development III**  
A continuation of curriculum areas plus a unit and theme approach to developing teaching experiences for the E.C.E. program. (6,0,0)

### EARLY CHILDHOOD EDUCATION by AUDIO TELECONFERENCING

Audio Teleconferencing links students in Hazelton, Houston, Kitimat, Prince Rupert, Smithers and Terrace with their instructor. Everyone can hear and speak to each other in the 'bridging' of microphones and loudspeaker units

Classes include lectures, audio-visual presentations and interactive seminars.

**ECE 122 - Curriculum Development I**  
A continuation of 121 with an emphasis in the curriculum areas of music, science and social studies. (6,0, 0) (All Centres except Prince Rupert).  
Wednesday, 7:00 - 9:00 p.m.  
Tracie LeBlond

**ECE 206 - 3 credits  
Working with Families**  
The student will develop skills in working with families, utilizing the team approach. Students will learn to coordinate home and program goals for typical and atypical children in child care settings. (All Centres)  
Thursday, 7:00 - 9:00 p.m.  
Darlene Westerman

## HUMAN SERVICE WORKER

### Winter Semester

HSW 142-3 Social Policies & Procedures	HSW 168-3 Computers in Social Services
HSW 144-3 Development of a Community Agency	HSW 192-3 Practicum II
HSW 162-3 Counselling Skills II	HSW 193-3 Extended Practicum
HSW 166-3 Working in Social Services	Psychology 102-3

### H.S.W. Course Descriptions

**HSW 142-3: Social Policies and Procedures**  
The aim of this course is to familiarize students with the social policies and procedures of the Canadian welfare system. Historical and recent developments of social policy are considered. Assessments of the various remedies to policy issues, notably poverty, are also discussed. (HSW 142 & 144 were formally offered as HSW 155) (3.5, 0, 0) Pre-requisite: HSW 141  
Monday, 8:30 - 12:00 noon, J. Muller

**HSW 144-3: Development of a Community Agency**  
This course introduces the student to forming a social service agency for our diverse northern area. The emphasis is on the development, organization and operation of a potential agency. A seminar format is utilized throughout this course. (3,5,0,0) Pre-requisite: First term HSW, plus HSW 142, HSW 166.  
Monday, 12:30 - 4:00 p.m. Instructor: TBA

**HSW 162-3: Counselling Skills II**  
This course introduces the student to various counselling approaches. It identifies counselling strategies and provides opportunity for practical application of these skills through role play and structured exercise. This course stresses the importance of cross cultural awareness and addresses the reality of cultural differences. Individuals already employed in the social services may find this course beneficial for a refresher course in counselling skills. (3.5,0,0) Pre-requisite: HSW 151, or permission of Instructors.  
Tuesday, 12:30 - 4:00 p.m., D. Foster

**HSW 166-3: Working in Social Services**  
This course teaches the student about working in community and social organizations. The student will learn about structure and process of organizations, how to work in and with committees and how organizations and agencies relate to the development of the community. (3.5, 0, 0)  
Thursday, 12:30 - 4:00 p.m., D. Foster

**HSW 168-3: Computers in Social Services**  
This is an introductory course to teach human service worker students about computers and their use in social services. An overall understanding of the general principles of how computers work is conveyed. The course will include word processing, data base, spreadsheet, drawing and graphics. Weekly labs will provide "hands-on" experience. (3.5, 3.5, 0)  
Tuesday, 8:30 - 12:00 noon, J. Muller

**HSW 192-3: Practicum II**  
This course is designed to continue the preparation of the HSW student for an 8 week Spring Practicum. It includes further study into the agencies and facilities in the community. The focus of the total program is on networking to ensure the student works in partnership with other agencies, community support groups and professionals in the field. The student will apply to practicum placements, be exposed to interviewing panels and finally choose a placement best suited to the student. Workshops will form part of the content of this course for the student to develop and strengthen skills needed to analyze their own practice and apply theory to it. (3.5, 6, 0) Prerequisite: Successful completion of all course work to date with a G.P.A. of 2.5 or at the discretion of the instructors.  
Friday, 8:30 - 12:00 noon, D. Foster

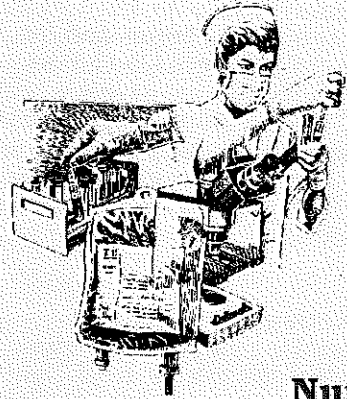
**HSW 193-3: Extended Practicum**  
This course is an eight week block placement at an approved agency or instruction following the completion of the academic semester. This practicum will allow the student to become thoroughly acquainted with the function of the agency and to learn to work within the structure in a human service worker capacity. This will include working with the consumer in a variety of roles such as: counselling, advocacy, education, group work and community development. (0, 30, 0) Prerequisite: Successful completion of all course work with a G.P.A. 2.5 and permission of instructors.  
Time: TBA, D. Foster

**Psychology 102-3:**  
See Academic section for description.  
Thursday, 9:00 a.m.-12:00 noon, A. Klingner

## NURSING

This **FULL-TIME PROGRAM** is available at our **TERRACE CAMPUS**

For those interested in registering in August 1990 for the 1990/91 Year, please contact the Terrace Campus for further registration information.



### Winter Semester - Term II

BHSC 205: Physiology  
 BHSC 225: Microbiology  
 BHSC 226: Immunology  
 BHSC 240: Human Development II

### Nursing Course Descriptions

#### BHSC 205: Physiology

A study of physiological regulation and control based on the fundamentals established in BHSC 105. Prerequisite: (BHSC 105) Anatomy and Physiology.

#### BHSC 225: Microbiology

Provides an introduction to basic microbiological concepts, including the distinguishing characteristics of microorganisms, methods of controlling infectious diseases and host-parasite relationships. Prerequisite: (BHSC 105) Anatomy and Physiology.

#### BHSC 226: Immunology

Provides an understanding of the immune response as applied to immunity, surveillance, homeostasis, hypersensitivity, autoimmunity, and immunohematology. The course progresses from discussions on the compounds and biological activities of the immune response role in protective as well as disease conditions. Prerequisite: (BHSC 105) Anatomy and Physiology.

#### BHSC 240: Human Development II

Focuses on growth and development from young adulthood to aging adult. Physical, cognitive, affective and social development are surveyed. Emphasis is placed on relating developmental concepts to health care. Prerequisite: (BHSC 140) Human Development I.

Students are required to achieve a 65% average to receive credit in the Nursing Program.

ALL BHSC COURSES ARE AVAILABLE TO PROSPECTIVE NURSING STUDENTS AND THE GENERAL PUBLIC AS SPACE ALLOWS!



## Special Interest Courses

#### INTRODUCTION TO MACINTOSH COMPUTER #13040

"Hands On" experience in several popular software packages including word processing, spreadsheets, database and graphics. Emphasis is on individual needs. Sign up early -- only 12 in the class. W. Wilson  
 Saturday, March 31 - April 28  
 9:00 a.m. - 12 noon  
 N.W.C.C. Rm# 102A  
 \$90.00



#### SPRING SEWING #13041

A qualified instructor will give individual attention to specific needs. This class will cover all the basic sewing techniques to create a product (i.e. zipper application, darts, collars, waistbands and hems). Come and sew with a friend. Pre-registration is required. S. Murdock  
 Tuesday, April 3 - May 22  
 7:00 - 10:00 p.m.  
 Thornhill Sec. School (Sewing Rm.)  
 \$40.00



#### CONVERSATIONAL FRENCH #13043

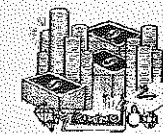
You can do it! A conversational approach to French. A relaxed enjoyable class and voila - you can be bilingual (well, almost). Focus will be on listening and speaking.



Instructor: TBA  
 Thursday  
 February 8 - March 22  
 7:00 - 10:00 p.m.  
 NWCC  
 \$35.00

#### STRAIGHT TALK ON R.R.S.P.'s. #13048

Registered Retirement Savings Plan Information. Instructor: TBA  
 Monday, February 12  
 7:30 - 9:30 p.m.  
 NWCC  
 \$5.00



#### EMILY CARR "MARKETING ART" #13037

This two day workshop will include:  
 - IDENTIFY and evaluate your artwork/personality. The package - resume, slides (photographing work) letter of intent or statement.  
 - TARGET your work to Galleries and/or as a Product. How to approach Galleries - public, private, alternative, or other.  
 - HOW TO MARKET as an Artproduct. Commercial enterprise, tradeshow, selling distributor, sales representative or agent, consultant or artist as salesperson.  
 - HOMEBASED SELF-EMPLOYED Artist Plan:  
 Business Concerns - set-up accounting system, legal aspects, follow-up and research.

Emily Carr Instructor  
 Thursday & Friday, April 5 & 6  
 9:00 a.m. - 4:00 p.m.  
 NWCC  
 \$45.00



#### HOW TO TALK SO KIDS WILL LISTEN AND LISTEN SO KIDS WILL TALK #13038

Innovative ways to solve common problems such as: how to listen and understand your child's concerns. How to have cooperation without nagging. How to find alternatives to punishment. How to help the child have a positive self-image. Limited Enrollment - Sign up early!  
 Carol Harrison  
 Wednesday, February 28 - April 4  
 7:00 - 9:00 p.m.  
 N.W.C.C.  
 \$15.00 ea. or \$25.00 couple

#### CHARGECARD REGISTRATION

Pay your Tuition Fees with either



VISA

or

MASTERCARD



ADULT EDUCATION - THE PATH TO TOMORROW

### CARPENTRY FOR BEGINNERS #13049

Spend 24 hours this winter on a small project you've been considering but never got going. i.e. footstool, bookcase, desk, etc. Class will include some joinery work and individual needs will be addressed.

L. Brunet.

Tuesday & Thursday

February 6 - March 15

7:30 - 9:30 p.m.

N.W.C.C. Carpentry Shop

\$65.00



### BEGINNER SPANISH #13045

Thinking of going to MEXICO? New approaches to learning the Spanish language will be introduced. Spanish is a very popular language for travellers and business people. This two part course introduces you to basic vocabulary and grammar for spoken Spanish.

Instructor: TBA

Tuesday & Thursday, Jan. 11 - Feb. 13

7:30 - 9:30 p.m.

NWCC

\$35.00

### "COMMON LAW" RELATIONSHIPS

#### WHAT'S IT ALL ABOUT # 12003

Legal and contractual items of marriage. Focusing on its effects upon credit, income taxes and one's responsibilities to a spouse. Advantages and disadvantages will be covered.

Pre-registration is required.

Peoples Law School Instructor

Wednesday, March 7

7:30 p.m.

NWCC

\$5.00

### VIDEO ART OF SEVEN SISTERS

#13039

Several screen video presentations showing the Seven Sisters ragged mountain range. Mike MacDonald presents a non-traditional view of native art.

M. MacDonald

Monday, March 12

7:30 p.m.

NWCC

FREE

## SEMINARS

### CHILD CARE IN THE HOME #13046

NWCC and Skeena Health Unit are coordinating a seminar with a panel of professionals to address this important issue. Quality day care spaces are needed in our community. This will be an opportunity to exchange ideas on activities, crafts and equipment.

Topics for discussions will include:

*Fire safety; Infant and toddler First Aid; Nutrition and Feeding the fussy Eater; Communicable illnesses; Discipline problems; Licencing a Day Care; Tax deductible business expenses and Liability insurance.*

Panel - Various Speakers

Friday, March 9, 7:00 - 9:00 p.m. (Social)

Saturday, March 10, 9:00 a.m. - 4:00 p.m.

NWCC

\$15.00

### CONTROLLING STRESS #13047

Stress is a fact of life, from the workplace to the classroom, to the living room. People are searching for ways to manage stress more positively. Dysfunctional stress can be expensive and affects our health, our work and our family alike.

Participants will learn:

1. The causes of stress.
2. It's effects on you individually.
3. Strategies to manage stress.
4. How to improve your self-confidence and develop effective coping strategies.

L. Hughes

Friday, Feb. 23, 7:00 - 9:00 p.m.

Saturday, Feb. 24, 9:00 a.m. - 4:00 p.m.

NWCC

\$35.00

### "HOW TO START A SMALL BUSINESS"

Do you have what it takes? Should you start from scratch or buy an existing business? Come and learn all about a small business venture. These questions will be covered as well as the financial and legal obligations of a small business and individual needs.

Pre-register to ensure a space in this class.

W. Beeston

Tuesday & Thursday, Mar. 6 - Mar. 22

6:30 - 10:00 p.m.

NWCC

\$110.00, includes books.



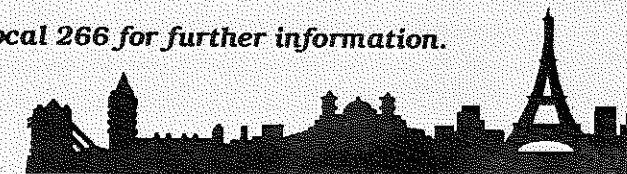
EXCITING TWO WEEK  
EUROPEAN EXPERIENCE!

June 24 - July 9, 1990

Paris, Angers and the  
Island of Noirmoutier in France  
+ 2 nights in London, England!

Cost \$2,400.00  
(Limited space)

Call Frieda Dams 635-6511, Local 266 for further information.



NORTHWEST COMMUNITY COLLEGE  
& TERRACE TRAVEL

SPONSORS

TERRACE  
MEETS  
PARIS

### INFORMATION EVENING

February 6th - 7:30 pm.  
N.W.C.C. Campus

## WANT A COURSE?

Do you have a novel idea for a **SPECIAL INTEREST Class**?  
If sufficient interest is shown for a 'special' course, it can be  
organized if a suitable instructor can be found!

Northwest Community College would be happy to offer  
the following programs if  
**SUFFICIENT ENROLMENT IS CONFIRMED.**

### "ARE YOU INTERESTED IN"

	<i>Approx. Cost</i>		<i>Approx. Cost</i>
Personal Budgeting	\$15.00	Basic Camera Operation	\$35.00
Income Tax Forms	\$15.00	Map & Compass Reading	\$35.00
Trapper Educational Course	\$100.00	Marine Radio Operation	\$15.00
Meat Cutting	\$60.00	Cake Decorating	\$65.00
Personal Investments	\$10.00		

Dates for these classes will happen between  
February 1st and May 31st, determined by public response.

**CALL TODAY!**

Special Interest Administrative Officer 635-6511, Local 266.





# NORTHWEST COMMUNITY COLLEGE

is planning an

## "ENVIRONMENTAL AWARENESS WEEK"

**EVERYONE** is affected by the environment!

**KEYNOTE** and **GUEST SPEAKERS**  
will be invited to address many topics of interest to:

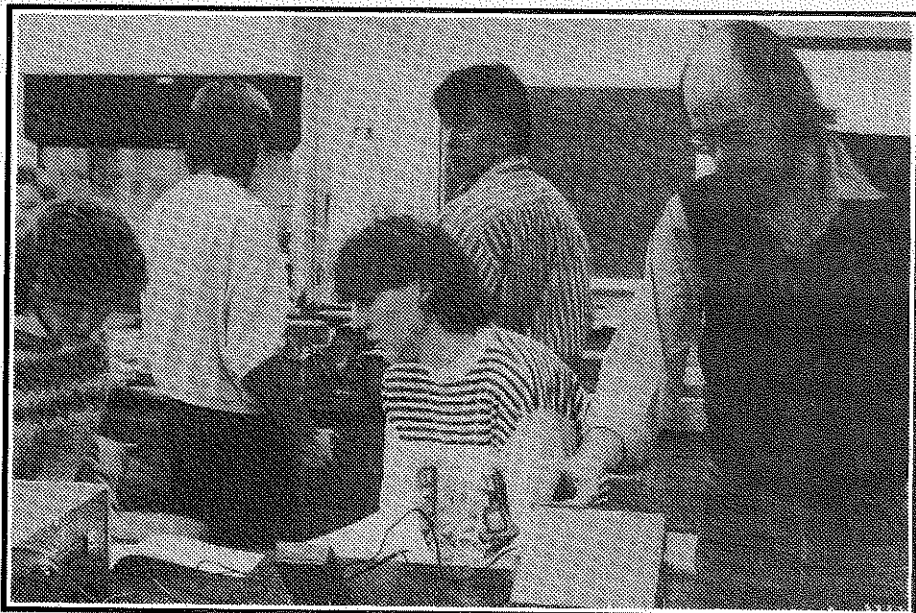
- Conservationists
- Resource Industries
- Outdoor Enthusiasts
- Educators
- Homemakers
- Developers

We would appreciate your suggestions for  
**POTENTIAL SPEAKERS AND SUBJECTS.**

Please write N.W.C.C., P.O. Box 726, Terrace, B.C., V8G 4C2  
Attention: F. Dams

or  
Call 635-6511, Local 266 (8:00 a.m. - 12:00 noon)  
with your suggestions.

Join us for a week of informative sessions on the  
**SOCIAL, CULTURAL and ECONOMIC ISSUES**  
of the environment in Northwest B.C.!



# Trades Training Programs

Northwest Community College offers a wide selection of  
**FULL-TIME** Pre-employment and Trades Training Courses

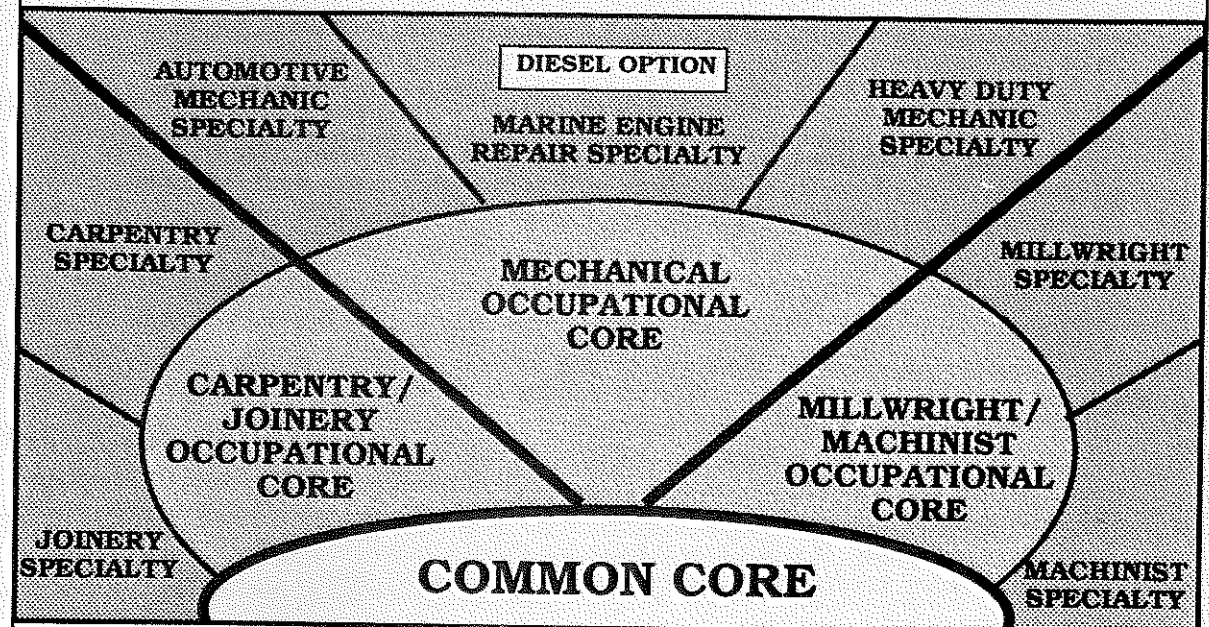
## TRAC PROGRAMS

**Carpentry**  
**Joinery**

**Automotive Mechanics**  
**Heavy Duty Mechanics**  
**Marine Engine Repair**

**Millwright**  
**Machinist**

Training Access, often called **TRAC**, is a flexible approach to learning a trade. You have the opportunity to study at your own speed, and working on your own to acquire trade skills. This is called self-paced learning, but you will be expected to meet realistic time limits. **TRAC** is competency-based which means you will be required to demonstrate your ability to perform each skill by means of written tests and practical evaluations.



## HOW DOES IT WORK?

You enter **COMMON CORE**. This allows you to brush up on basic skills and learn those things important in the trade. Information is in separate learning packages and you study each one until you are ready to test your skill. You then move to the next package. Experienced instructors are on hand to help you.

When you finish Common Core, you move into **OCCUPATIONAL CORE**. Here you focus on one of several trade areas, such as Mechanics, or Carpentry, or Millwright/Machinist.

Once you have mastered all the skills in your chosen occupational core, you move on to a **SPECIALTY** in the trade of your choice.

## CARPENTRY/JOINERY

(Continuous Intake/Exit)

The Carpentry and Joinery Training Programs provide trainees with the skills needed for employment in the junior levels of the building construction industries.

**PREREQUISITE:** Entrance requirements are Grade 10 or ABE Intermediate or equivalent.

### First Level is COMMON CORE

(This portion will take approximately 2 months to complete, less for those with previous experience.)

#### Program includes:

Safety, Trade Math, Sketch & Read Drawings, Use of Construction Hand Tools, Use of Construction Power Tools, Rigging, Knot Tying, Lifting Loads, Erection of Ladders and Scaffold, Gas Welding, Use of Fasteners & Bonding Agents, Identification of Woods and Construction of Projects.

### Second Level is OCCUPATIONAL CORE

(This portion will take approximately 2 - 2 1/2 months to complete.)

#### Program includes:

Trade Safety, Reading & Interpreting Carpentry/Joinery Drawings, Use of Carpentry/Joinery Hand Tools, Portable Tools and Shop Equipment (Drill Press, Radial Arm Saw, Table Saw, Band Saw, Jointer and Thickness Planer), Construction of Woodworking Joints, Use of Materials and Hardware, Platform Frame Construction Methods, Stair Construction, Construction of a Simple Cabinet and the Use of Specialty Tools such as Air-Nailers, Power Actuated Tools and Chainsaws.

The theoretical portions of these programs are available at all Campuses upon request and the practical portion is available at the Terrace Campus only.

These courses are presented in a modularized format and are very flexible. They can be taken in whole or in part, or modified to suit the student's needs. Entrance into these courses is on a continuous basis, which makes them available for those who wish to upgrade during periods of unemployment. If withdrawal from the program before completion is necessary, students may re-enter, continuing where they left off at a later date.

After completion of Level 2 Occupational Core a student can choose to take:

**Carpentry Specialty (2 1/2 - 3 months)**

**Joinery Specialty (2 1/2 - 3 months).**

## CARPENTRY APPRENTICE TRAINING

The Carpentry Apprentice 1990 technical training plan at N.W.C.C. (Terrace Campus) are as follows:

1. Carpentry III - January 2 - February 9, 1990
2. Carpentry IV - February 12 - March 23, 1990
3. Carpentry I - March 26 - May 4, 1990



For further information regarding Carpentry programs call 635-6511, Local 283/285.

## COOK TRAINING

### PROFESSIONAL COOK TRAINING

(Continuous Intake, Full-Time)

The objective of *Professional Cook Training* is to prepare students in all the basic skills necessary to gain employment in the hospitality industry. For students who have an interest in working with the general public and a desire for permanent gainful employment.

Professional Program	- 12 months
Camp Cooking Program	- 6 months
Short Order Cooking Program	- 3 months
Upgrading Program	- Up to 3 months



**FEES:** See Registration Section (Page 1).

Opportunities are plentiful for graduates!

## PROFESSIONAL COOK TRADES QUALIFICATION PROGRAM

This program is designed to help the student prepare for the Tradesmen's Qualifications exam and will allow a student to work at his/her own pace at home and in the workplace.

It is based on guided independent study practices, which means that a student is never alone but will be in regular contact with an instructor for assistance and guidance.

**This can be done in person, by telephone, or by mail.**

The program is divided into 8 modules. As each is completed, the student progresses to the next module. In this way, knowledge and understanding of one subject is attained before the student begins studying another.

This program is designed for Cooks who have worked in the industry for a number of years and are now ready to pursue their Trades Qualification Certificate.

It is also designed for Cooks who, although not yet qualified to take the T.Q. exam, wish to up-grade their skills.

### Benefit of Having a T.Q. Certificate

- The opportunity for career advancement
- Recognition from industry when applying for a position
- Recognition from colleagues and other Certified Cooks
- Official provincial recognition
- The knowledge and the right to take the Interprovincial Examination

### NOTE:

It is strongly recommended that those who wish to take the T.Q. exam in this trade should contact their nearest Ministry of Advanced Education Training Apprenticeship Counsellor to make sure they are qualified. This qualification requires proof of 4 years (8,000 hours) experience in a kitchen with a varied menu.

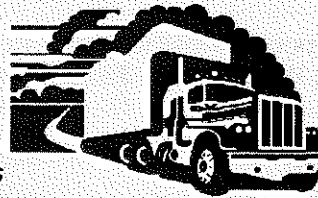
## DRIVER TRAINING PROGRAMS

### TRUCK OPERATIONS BASIC MAINTENANCE SKILLS and CLASS 1, DRIVER'S TRAINING

Participants will receive training on all working components.

#### You will Learn:

1. To identify potential problems
2. To inspect and perform adjustments to airbrake systems
3. To perform pre-and post-trip inspections
4. Defensive driving and hazard avoidance
5. How to operate the truck/tractor under various conditions



#### Course Content:

Engine and Support systems, Basic Power Trains, Steering Systems, Electrical Systems, Air Brakes, Tires and Maintenance, Trip Inspections, and Commercial Safety and Operating Procedures.

**PREREQUISITES:** 19 years of age or older, possess a valid B.C. Class 1 Learner License, medically and physically fit, and experienced on standard shift vehicles.

The first two weeks of the course are spent in the classroom (60 hrs.), the vehicle practicum will be group and individualized instruction, 3 hours loading procedures, 10 hours behind the wheel, 10 hours co-driving and 1 hour for the driver's examination. (total 84 hours).

*The vehicle practical section will be group and individualized instructions.*

**Starts April 2, 1990 with completion date approx. 6 weeks after.**

**FEE: \$ 1,300.00** (Additional time, if required - \$60/hour)

### CLASS 4 - DRIVER'S TRAINING

#### You will learn:

1. Defensive driving and hazard avoidance
2. To perform pre- and post-trip inspections
3. How to operate passenger vehicles under various conditions
4. Vehicle service and maintenance

#### Course Content:

Tires and maintenance, trip inspections, commercial safety and operating procedures.

**PREREQUISITES:** 19 years of age, or older, with a minimum of one year Class 5 experience, and possess a valid B.C. Class 4 Learners License.

*The vehicle practical section will be group and individualized instruction.*

*Course Consists of 30 hours classroom/group, 5 hours driving, and 1 hour drivers exam.*

March 12 - 30, 1990  
8:00 a.m. - 3:00 p.m.

**Fee: \$550.00**

(additional vehicle time if required \$60/hr.)

### DEFENSIVE DRIVING

Everyone can be a better driver by driving defensively. This course will give you the techniques of defensive driving as per the B.C. Safety Council approved program.

**New drivers and individuals renewing their licenses are encouraged to attend.**

Wed. & Thurs.  
7:00 p.m. to 10:00 p.m.

February 25/26,  
April 25/26 &  
June 20/21st

**Fee: \$45.00**

**Instructor: P. Julseth**

## ELECTRONICS TECHNICIAN

Our new eight month provincial electronics program prepares you for a career in Electronics or a related industrial/professional career where the electronic technology plays an integral part. This new program is structured in a modular format and is instructor led. It contains new material and labs that will give a challenging and exciting learning experience.

Upon completion of this course you can select an **Electronic Specialty** to your liking at N.W.C.C. (i.e. **Telecommunications**) or other learning institutions in the province. (i.e. **Robotics, Computer Maintenance, Home Entertainment Equipment**) or you may enter into a career where electronics plays a major part (i.e. **Automotive/Industrial Trades**) or enter directly into employment in an electronic career.

Continues January 2nd - June 29, 1990 (Modular Format)

Monday - Friday 8:00 a.m. - 3:00 p.m.

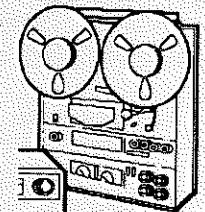
Fees: See Registration Section (Page 1).

Upon completion of this course you will receive a certificate for the 'Provincial Core Electronics' course.

We also offer the subjects listed below in  
**COMPUTER AIDED INSTRUCTION (CAI)**  
**A SELF-STUDY, SELF-PACED MODE**  
3:00 p.m. - 10:00 p.m., two days a week.

D.C. Electronics	CAI	120 hours
A.C. Electronics	CAI	120 hours
Semiconductors	CAI	120 hours
Digital Techniques	CAI	120 hours
Microprocessors	Self Study	150 hours

Modules completed will receive full credit towards the 'Provincial Electronics Technician' program.



For further information contact the Electronics Department 635-6511, Local 280

## MILLWRIGHT

### CO-OPERATIVE ADVANCED MILLWRIGHT PROGRAM

**PREREQUISITE:** Successful completion TRAC with Millwright Specialty

**3rd Year starts January 2, 1990**

**4th Year starts May 7, 1990**

This program is designed to provide the entire apprenticeship technical training of the Millwright over 3, 3-month semesters. A four week co-op work term placement in the Millwright trade will follow each semester. The intensity of the training allows for the acceptance of only 16 highly motivated students with the necessary prerequisites. Successful completion of the prerequisite Millwright Specialty and this cooperative program grants the student credit for the completion of the

technical training for the four year Apprenticeship. In addition, with the approval of the employer, he/she may obtain a maximum of 18 months time credit towards completion of a Millwright Apprenticeship (provided that an apprenticeship is started within 12 months of completing the program). After an additional 30 months of apprenticeship training (re: Ministry Training Guide), the Millwright Apprentice is eligible to write the inter-provincial millwright examination.

For more information contact the Millwright Machinist Department 635-6511, Local 284

## MECHANICAL TRAINING

(Courses are ongoing with intake every Monday)

The mechanical entry level training programs prepare the participants for entry into the Provincial Apprenticeship system in business and industries concerned with the maintenance and repair of automotive, heavy duty, transportation, industrial and construction equipment.

Employment opportunities for graduates may be found in logging, mining, transportation, industrial manufacturing, automotive and recreational vehicle service industries.

For further information, please contact the College Centre in your area or contact us at the Terrace Campus 635-6511.

### TRADE QUALIFICATION (TQ) UP-GRADING

Northwest Community College provides TQ Up-grading to provincial or inter-provincial standards for various trades such as Carpentry, Millwright, Welding, Automotive and Heavy Duty.

These courses are available on an individual basis through instructor directed modulars with self-study home assignments or as required by the Ministry of Advanced Education and Job Training. They are designed to prepare the experienced trade person for the qualification exam required for certification.

For further information, please contact your nearest Northwest Community College Centre or the Job Training Office of the Ministry of AEJT.

### AUTOMOTIVE HIGH-TECH UP-GRADING PROGRAM

These high tech courses are designed to give journeyman mechanics a clear understanding of current automotive electronic control systems. Participants will receive intense theory and hands-on trouble shooting scheduled to make optimum use of their time with minimum conflict in the workplace. Any or all courses may be taken but it should be noted that the first, second and last must be taken in that order. The courses will be offered on a demand basis, and will be scheduled to suit participants' requirements. **Upon completion of each course, successful participants will receive a College Certificate.**

Pre-register your interest at the College 635-6511. When sufficient people have signed up for the section/sections of their choice a course will be scheduled.

1. Automotive Electronics Theory & Practical 24 HOURS \$ 265.00
2. Closed Loop Theory & Trouble Shooting 18 HOURS \$ 200.00
3. Electronic Fuel Injection 18 HOURS \$ 200.00
4. GM Computer Command Control Trouble Shooting 18 HOURS \$200.00
5. Ford EEC IV Trouble Shooting 18 HOURS \$ 200.00
6. Chrysler E.F.I. Trouble Shooting 18 HOURS \$ 200.00
7. Bosch & Japanese E.F.I. Trouble Shooting 24 HOURS \$ 265.00
8. Computer Body & Chassis Control Trouble Shooting 36 HOURS \$ 400.00

(Fees: Subject to Change)

Dates: T.B.A.

### AIR BRAKES

To prepare drivers for practical and written tests on the operation and maintenance of air brakes systems for either on-highway or off-highway vehicles. Those taking off-highway exams will be required to pay the Ministry of Transportation an examination fee.

Feb. 6 - 10, March 6 - 10 & June 5 - 9  
Tues.- Fri. 6:30 - 10:00 p.m.  
Sat. 8:00 a.m. - 3:00 p.m.  
N.W.C.C. Shops Building, Rm. 1112  
\$100.00

## COMMERCIAL VEHICLE INSPECTION CERTIFICATION

We are pleased to announce that, in conjunction with the Motor Vehicle Branch, we will be offering training courses in COMMERCIAL VEHICLE INSPECTION. Successful completion of this course and a provincial exam is required of a person before he/she can be authorized by the Superintendent of Motor Vehicles to inspect commercial vehicles.

Participants must be the holder of a B.C. Certificate of Qualification in either Automotive Mechanical Repair, Commercial Transport Vehicle Mechanical Repair, or Heavy Duty Mechanical Repair.

The course consists of two parts:

### PART I

#### ADMINISTRATIVE PROCEDURES

- Motor Vehicle Act
- Motor Vehicle Act Regulations
- Commercial Vehicle Inspection Program
  - Vehicles
  - Facilities
  - Inspectors
  - Inspections
  - Decals
  - Repairs to Vehicles
  - Maintenance
  - Enforcement
  - MVD Appointed Agents
  - Motor Vehicle License Officer
- Commercial Vehicle Inspection Manual
- Commercial Vehicle Inspection Forms

### PART II

#### PRACTICAL

- Steering Mechanism
- Tie Rod Ends
- King Pins
- Front Wheel Bearings
- Steering Lash
- Brake Adjustment
- Brake Lining Thickness
- Brake Hoses
- Drum/Disc Wear
- Headlamp Adjustment
- Trailer Attachment Wear
- Tire Wear

Successful applicants will, upon passing the final examination, receive their individual authorization to inspect vehicles required to be inspected under the Commercial Vehicle Inspection (CVI) Program from the Superintendent of Motor Vehicles in the following manner:

A Course Completion Card will be issued by the College to all students who successfully complete this course. The card signifies that the student has met the minimum entrance qualifications, has attended all of the classes, and has demonstrated his/her mechanical abilities to diagnose defects in accordance with the (Safety and Repair) Inspection Standards.

The student will then present the card to any Motor License Office and write an "ADMINISTRATIVE" examination which requires an 80% pass mark. There is no charge for the examination.

The student, if successful, will then be issued a certificate by the Superintendent of Motor Vehicles, authorizing him/her to examine vehicles pursuant to Section 215.1 of the Motor Vehicle Act.

Course Length: 30 hours

Instructor: Dave Dams

February 12 - 16

Monday - Friday  
8:00 a.m. - 3:00 p.m.

FEE: \$150.00  
(Maximum Enrollment: 20)

**DON'T BE DISAPPOINTED!**

Courses/Programs  
fill up quickly.

**PRE-REGISTER TODAY!**

## INTERIOR LOG SCALING

Learn the theory and practical skills of scaling. This course will include classification of species, measuring of forest products, the use of the scale stick and log grading. Upon completion you will be prepared to take the Ministry of Forests written and practical exams, to obtain a license.

*Students should have Grade 12 Math skills and knowledge of the metric system.*

**April 23 - May 11, 1990**

**Monday - Friday 8:00 a.m. - 3:00 p.m.**

**FEE: \$350.00**

*(Manual \$27.00, Exam Fee \$50.00, Refundable Equipment Deposit \$100.00)*

## WELDING PROGRAM

*(Continuous Intake/Exit)*

Open to anyone wanting to weld for the first time or trades people wanting to up-grade their qualifications and welding skills.

*The following programs are self-paced format and are open to full or part-time students.*



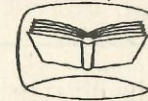
"C" Level	Up-grading
"B" Level	Welder Registrations
"A" Level	Auto Body Gas Metal ARC
	T.G's
and	
Specialty Programs	

**Monday - Friday 8:00 a.m. - 3:00 p.m.**

**FEE: See Registration Section (Page 1)**

*(plus \$50.00 refundable deposit)*

*For further information contact the Welding Department 635-6511, Local 286/291.*



## TELECOLLEGE 1990 Winter Semester

Personal enrichment and new knowledge can be gained by studying with the convenience of television, with the support of the Telecollege.

*TELECOLLEGE offers texts and study guides to help you make the most of your studying time.*

**COURSES BEING OFFERED THIS WINTER INCLUDE:**

1. Sociology
2. Marketing
3. Beyond the Mechanical Universe
4. Understanding Human Behaviour
5. Planning your Retirement
6. Starting a Business
7. Let's Learn Japanese

*These telecourses are broadcast on the Knowledge Network and will begin the first week of January 1990.*

*For further information, and to register and order texts and guides contact:*

**TELECOLLEGE**  
11401 - 8th Street  
Dawson Creek, B.C., V1G 4G2  
1-800-663-3894



## KITIMAT CAMPUS

in conjunction with  
DISTRICT OF KITIMAT  
offers

### **Sprinkler Systems Installation**

Based on the National Fire Protection Association's Standard 13. Specific training for anyone involved in design, installation and maintenance of automatic sprinkler systems.

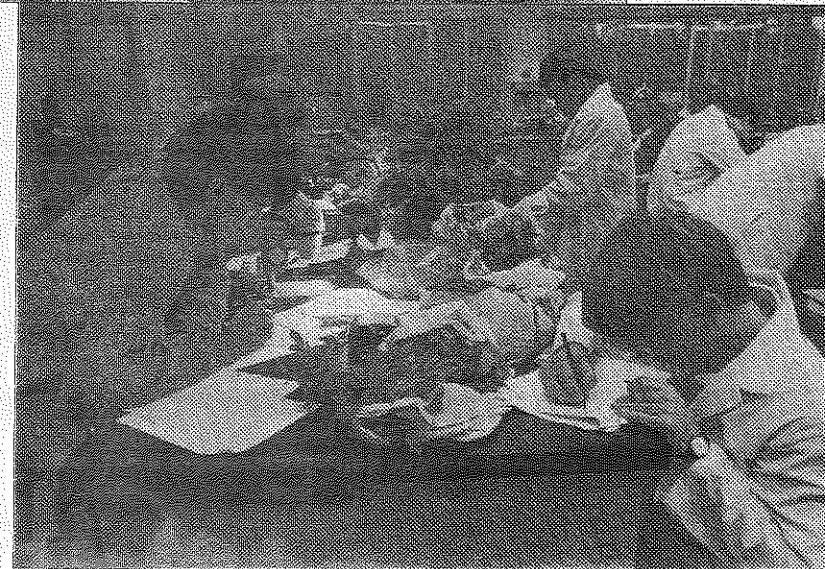
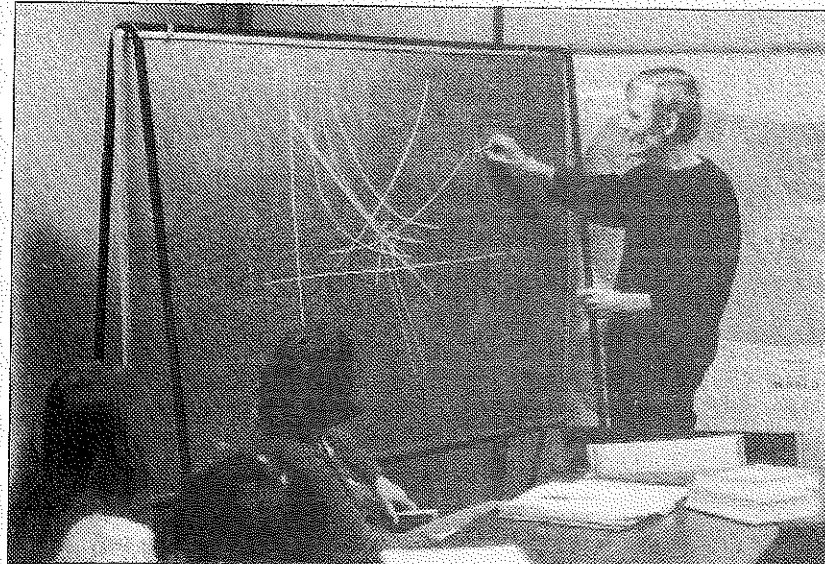
**Dates: March 8 & 9**

**Location: Riverlodge**

**Instructor: NFPA, Vancouver**

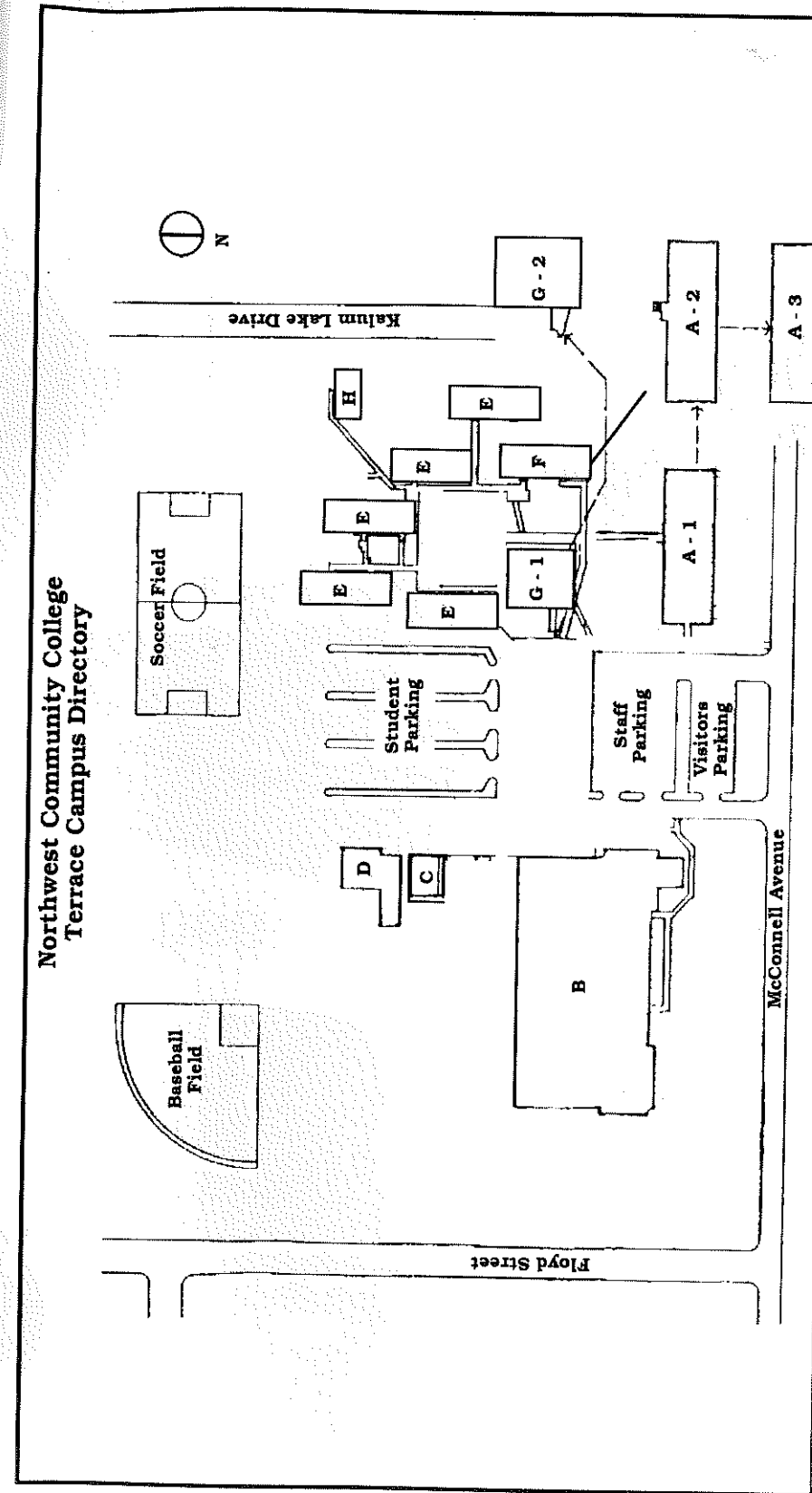
**Time & Fee: TBA**

**Further information can be obtained by calling  
NWCC, Kitimat 632-4766.**



1990 WINTER PROGRAM GUIDE

Northwest Community College  
Terrace Campus Directory



**KEY**

- A - 1 (Lower Level)**  
Library/Audio Visual  
Academic Faculty Offices
- A - 2 (Entrance Level)**  
Admission/Registration  
Career Resource Centre  
Student Assoc. Office  
Switchboard/Reception  
Program Admn. Offices  
Business Classrooms  
Computer Labs
- A - 3 (Top Level) (Level)**  
Classrooms  
Adult Basic Education  
Human Service Worker  
Academic/Univ. Transfer  
Early Childhood Education  
Community Support Worker  
First Aid  
Program Admn. Offices  
Boardroom  
Teleconference Room
- B**  
Carpentry  
Millwright  
Welding  
Automotive  
Electronics  
Nursing  
Playschool  
Language Lab  
Business/Industry Office  
Special Interest Course Office  
Program Admn. Offices  
First Aid Room  
Central Stores  
Tool Crib  
Student Body REC. Centre
- C**  
Audio Visual Repair  
Production Studio
- D**  
Maintenance
- E**  
Residences
- F (Top Level)**  
President  
Vice President  
Accounting  
Open Learning
- F (Lower Level)**  
Human Resources  
Program Support/Development  
Public Relations/Marketing  
Photocopy/Mailroom
- G - 1**  
Conference Rooms  
Bookstore  
Residence Office
- G - 2**  
Cafeteria  
Cook Training
- H**  
NWTEC

1990 WINTER PROGRAM GUIDE



# NORTHWEST COMMUNITY COLLEGE

5331 McConnell Avenue  
Terrace, B.C. V8G 4C2  
Telephone: (604) 635-6511



*Winter*

1990

