

Full-Time *PROGRAMS* Calendar 1998/99

Business

Arts & Science

Technology

Career/College Prep

Trades

Social Services

Start Here



Northwest
*Community
College*

\$5.00

Incl.GST

"YOUR COLLEGE IN YOUR COMMUNITY"

VISIT OUR WEBSITE
<http://www.nwcc.bc.ca>

The College Calendar

Much of the information you may need from the print version of this calendar appears on our website: <http://www.nwcc.bc.ca> in the Programs, Student Information and Services sections.

You may review a print version of this calendar from
Reception at any of our College Campuses or...

To request a copy by mail (Canada only)

Direct your requests, include prepayment of \$5.00 per copy
(payable to Northwest Community College)

NORTHWEST COMMUNITY COLLEGE

Calendar Department
5331 McConnell Avenue
Terrace, BC V8G 4X2

Notice of Waiver

Our calendar is published in the Spring of 1998 to provide an overview of our programs, courses and services offered from September 1998 to September 1999. As this calendar is published well in advance of the session commencement the College reserves the right to make any changes deemed necessary, such as the cancellation or adjustment of programs and courses, changes in fee structure and other regulations or services. Northwest Community College makes every effort at the time of printing to ensure accuracy but in the interests of the communities we serve, the College reserves the right to revise the statements and offerings made in this calendar as dictated by events.

The statements in this calendar are not to be regarded as an irrevocable contract between the student and the College.

Welcome to Northwest Community College



1998 - 1999

Calendar

This calendar is only intended to provide an overview of the programs at Northwest Community College. It is not possible in a book of this size to introduce each course or program in great detail. Persons wishing more details on course/programs or other information printed in this calendar are invited to contact any of our NWCC College Campuses.

DATES TO REMEMBER

1998

Apr 10	Good Friday Holiday
Apr 13	Easter Monday Holiday
Apr 24	Classes end for Applied Technology, Applied Computer Technology, ECE, SSW, & U/C
Apr 26	Last day of classes for Spring semester
Apr 29	ECE & SSW Practicum begins
May 4	NRES Co-op Work Term I & II begin
May 6	Co-op Summer Work Terms begin
May 18	Victoria Day Holiday
May 29	ECE Extended Practicum ends
June 1	Classes end for ECE
June 19	SSW Practicum ends
June 26	Last day of class for programs ending in June
July 1	Canada Day Holiday
Aug. 3	B.C. Day Holiday
Aug. 28	Co-op Work Terms end
Sept 7	Labour Day Holiday
Sept 8	Fall semester begins for all programs unless otherwise noted
Sept 18	Last day for LATE registration & course changes for Career & U/C
Oct 2	Last day to withdraw with PARTIAL REFUND from semester courses - see "Refunds" page 15 of Calendar
Oct 12	Thanksgiving Day Holiday
Oct 30	Last day for official withdrawal - Fall semester for Career & U/C
Nov 11	Remembrance Day Holiday
Dec 18	Fall semester ends - all programs
Dec 25	Christmas Day Holiday
Dec 28	Boxing Day Holiday

1999

Jan. 1	New Years Day Holiday
Jan 4	Commencement of Spring semester ECE practicum begins
Jan 15	Last day for LATE registration & course changes for Career & U/C programs
Jan 29	Last day to withdraw with PARTIAL REFUND from semester courses - see "Refunds" page 15 of Calendar
Feb 22-26	Reading Week - U/C, Applied Computer Technology
Feb 26	Last day for official withdrawal - Spring semester for Career & U/C
Mar 16-20	Study Break - ECE
Apr 2	Good Friday Holiday
Apr 5	Easter Monday Holiday
Apr 23	Classes end for Applied Technology, Applied Computer Technology, ECE, SSW, & U/C
Apr 27	ECE & SSW Practicum begins
Apr 30	Classes end for BADM & NRES (yr 1,2,3)
May 3	Applied Computer Tech Practicum begins
May 21	Classes end for ASE
May 24	Victoria Day Holiday
June 11	SSW Practicum ends
June 25	Last day of classes for programs ending in June
July 1	Canada Day Holiday
Aug 2	B.C. Day Holiday

TABLE OF CONTENTS

Dates to Remember	2	Natural Resources	79
Message from the President	5	- Coastal Integrated Resources Management Option	81
Mission Statement and Operating Principles	6	- Forest Technology Option	82
College Board	7	- Integrated Resources Management Option	82
About Northwest Community College	7	Office Administration	88
Education Council	10	- Office Assistant	89
First Nations Council	11	- Office Technology - Accounting Specialty	89
		- Office Technology - General Specialty	89
		- Office Technology - Word Processing Specialty	89
		- Office Administration - Distance Education	89
		- Desktop Publishing Certificate	90
		Professional Cook Training	94
		University Credit	96
		Welding	109
		Wilderness Guiding Skills	111
		TRANSFER CREDIT TO OTHER INSTITUTIONS & ORGANIZATIONS	114-115
		CONTINUING EDUCATION/EXTENSION OFFERINGS	
		Airbrakes	118
		Cultural Tourism	118
		Equipment Operator Program	118
		- Backhoe/Loader Operator	119
		- Excavator Operator	119
		First Aid & Safety	119
		Professional Driver	121
		OTHER OPPORTUNITIES	
		General Education Development Tests (GED)	124
		Literacy Training	124
		Diploma in Adult Education	124
		Provincial Instructor Diploma	125
		Open University/Open College	125
		University of Northern B.C.	126
		FINANCIAL AID SOURCES	128-144
		PERSONNEL	145-148
		INDEX	149-151
GENERAL INFORMATION			
Admission and Registration	14		
Fees & Refunds	14		
Student Conduct Policy	16		
Grading Policies and Procedures	17		
Appeals	19		
Student Records	21		
Student Support Policy	22		
Services Available to Students & Public	23		
- Disability Support Services	25		
PROGRAMS			
Adult Special Education	30		
Applied Computer Technology	33		
Applied Technology	36		
Automotive Repair Technician	38		
Business Administration	39		
Career & College Prep	45		
Carpentry	50		
Coastal Eco-Adventure Tourism	51		
Commerical Transport Repair Mechanic	52		
Early Childhood Education	54		
- Preschool Aide Training (P.A.T.)	59		
English as a Second Language	61		
Heavy Duty Mechanic Training - Entry Level	61		
Home Support/Resident Care Attendant	63		
Industrial Mechanic (Millwright) - Entry Level	64		
Integrated Human Service	66		
- Addictions Option	67		
- Mental Health Option	68		
- Special Education Assistant Option	68		
- Social Service Worker Option	69		
- Youth Option	70		
Marine Studies	76		

PRESIDENT'S MESSAGE

This year Northwest Community College has coordinated the publishing of our print calendar with our new site on the World Wide Web (<http://www.nwcc.bc.ca>). The development of our website is exciting in many ways, not the least of which is the ability to reach a far greater number of people than we previously could with the traditional print calendar of programs. As NWCC comes on-line, viewers will be able to access information about all of our College sites, the programs and services available, as well as being able to fill in an "electronic" application form. Virtually every staff member can be reached very easily by electronic mail through the website, so that any of your questions can be answered almost immediately.

Access to information in a new way is important in an increasingly complex global environment. As we move into the twenty-first century, communicating through electronic means has become easier and accessible to more people. It is our hope that the information you are searching for, whether by electronic or traditional means, is available to you in a format that is suitable to your needs.

Over the past two years Northwest Community College has faced several challenges that could have affected our ability to meet our mission and mandate, and made difficult our commitment to serve people where they live and work. Because of the establishment of positive relationships with agencies, business and industry and other education providers, we have been able to not only maintain the College's presence, but enhance it. Collaboration and cooperation assures the provision of access to quality lifelong learning throughout the College region.

Beth Davies
A/President

MISSION

We are a community college committed to respecting and meeting the educational needs of the communities we serve. Our mission is to provide and enable equitable access to quality lifelong learning throughout our College region.

VALUES AND OPERATING PRINCIPLES

A STUDENT CENTERED COLLEGE — Programs, courses and services will be focused on meeting the learning, developmental and employment needs of the learners we serve.

STUDENT SUCCESS — We are committed to removing barriers to student success. We will provide services, programs and resources to foster success.

RESPECT — The College treats each person in a fair and equitable fashion, acknowledging and valuing their perspectives and diversity. Northwest Community College will not discriminate on the basis of race, age, colour, ancestry, place of origin, political belief, religion, marital or family status, financial status, physical, mental or learning disability, gender or sexual orientation.

COOPERATION — We are committed to working cooperatively and in good faith with our internal and external communities.

TRUST, HONESTY AND INTEGRITY — We will demonstrate high standards of personal, institutional and professional behavior.

COLLABORATION — We are committed to working collaboratively to optimize learning opportunities and resources.

ACCESSIBILITY — We are committed to providing fair and equitable access to learning opportunities and services for the communities we serve.

OPENNESS TO CHANGE — We will be relevant, current and innovative in our programs and services and will respond to changes in society and the needs of our learners.

EMPOWERMENT OF COMMUNITIES — We are committed to the decentralization of learning opportunities and the central role of communities in determining their educational priorities.

EMPOWERMENT OF EMPLOYEES — Our employees actively participate in the decision making processes at the College through shared responsibility, authority and accountability.

EMPOWERMENT OF STUDENTS — We recognize and encourage the active involvement of students in the development and improvement of College programs and services.

ACCOUNTABILITY — We will establish and achieve College objectives that are cost effective and open to public review.

INNOVATION — We encourage and support creativity and innovation in the development of initiatives that address opportunities for constructive change.

COLLEGE BOARD

Rod Arnold	Terrace
Patti Barnes	NWCC Staff
Kathleen Bedard	Prince Rupert
Ray Brady	Kitimat
Margaret Brown	NWCC Staff
Alan Campbell, Chair	Telkwa
Dennis Carlson	Prince Rupert
Kathy Freeman	NWCC Student
Marie Grinstrand	Education Council
Bonnie Hawley	Houston
Jean Juhas	Haida Gwaii
Trish McKay	Prince Rupert
Darlene Neuman, Vice-Chair	Stewart
Lorene Plante	New Aiyansh
Marie Sullivan	Kitimat
Judy Tracy	Terrace

Board meetings are held approximately every six weeks from September through to June of the school year. Agendas are posted throughout the College Region or can be obtained from the Board Secretary. Students, staff and the general public are welcome to attend meetings!

ABOUT NORTHWEST COMMUNITY COLLEGE.....

Northwest Community College was first established at the site of the B.C. Vocational School in Terrace, British Columbia in 1975. From this beginning, the gradual establishment of College centres in almost all of the communities in the Pacific Northwest region has led to remarkable growth in the programs and services offered by the College. A large percentage of the people who live within the region take advantage of the opportunities available at these centres.

The College is comprised of four geographical regions: the Eastern Region, which serves Smithers, Telkwa, the Hazeltons, and Houston; the Southern Region, serving the communities of Kitimat, Kemano and Kitimaat; the Central Region, serving the communities of the Terrace/Thornhill area, the Nass Valley and Stewart; the Western Region, serving the communities of Prince Rupert, along the North Coast and the Queen Charlotte Islands/Haida Gwaii. The entire region is 80,450 square kilometres, with a combined population of approximately 80,000.

EASTERN REGION

Houston

The Houston Centre began its operations approximately eighteen years ago. At that time Career and College Preparation (formerly Adult Basic Education), some part-time University Credit courses and continuing education courses were offered. Today Career and College Preparation, Transitions (prerequisite training) and the Natural Resources program are offered, along with a wide variety of continuing education courses that meet on-demand needs of the community.

In December of 1995 the move from leased space to a brand new building prompted a new partnership with other community educational providers — Houston Link to Learning, Morice Community Skills Centre and School District 54's Storefront School. A result of these providers sharing space at the College site is the enhanced ability to access new technologies in the form of networked computer labs, audio and video-conferencing and connections to the Internet, as well as just one stop for those pursuing educational opportunities.

Smithers

The College Centre in Smithers, serving Smithers, Telkwa and surrounding communities, is situated in an easily accessible downtown location. Regular programming includes the specialized Wilderness Guide Skills Program which draws learners from across the nation and overseas. Other programs and courses available are Career and College Prep, University Credit, Natural Resources and Office Technology. Many other part-time offerings are based on local needs. Located on the College site is the Forest Training Centre, a specialized facility that provides upgrading and training for the forest industry.

The community of Smithers with a population of approximately 5000 is situated in the Bulkley Valley, a perfect location for outdoor enthusiasts. Residents enjoy hiking, fishing, kayaking and cross-country skiing. A nationally renowned downhill ski facility is located close to the Smithers town centre on Hudson Bay Mountain.

The Hazeltons

Northwest Community College has been a part of the Hazeltons from the mid 1970's. Eight communities from Highway 37 through to Highway 16 as well the three Hazel-

tons, the Kispiox Valley and Two-Mile are served by the Centre in Old Hazelton. Programming includes College and Career Preparation and community interest courses. Responding to the needs of the local communities, additional educational opportunities are available on a demand basis.

With cooperation from communities and community groups, various partnerships have been established over the years which include: assisting tribal councils in implementing Career and College Prep programs on reserve communities; innovative programming in the health care and natural resources fields in cooperation with the Gitkxan Wet'suwet'en Tribal Council; assisting the University of British Columbia in delivering the Native Indian Teacher Education Program. The College in Hazelton has been a leader in promoting and including cultural components in its program offerings.

SOUTHERN REGION

Kitimat

The 11,500 residents of Kitimat ("People of the Snow") live at the head of scenic Douglas Channel on the north coast. Local amenities and temperate climate make it an indoor and outdoor sports and recreation haven. Serving the communities of Kitimat, Kitimaat Village and Kemano since 1976, the campus is centrally located in downtown Kitimat and provides access to the latest educational technology with three computer labs, a multimedia editing suite and an electronics laboratory. Affordable housing, ample parking and full transit services make opportunities at this campus easily accessible.

Program offerings include Career and College Preparation, Business Administration, Office Technology, and English Language Training. Also offered is the Applied Technology Program — unique because of the partnership with local industries in providing on-site training. Other training and continuing education courses are offered according to local need. Courses are delivered by qualified, experienced staff as well as specialists from local government, business and industry.

CENTRAL REGION

Terrace

Northwest Community College in Terrace is located on thirty acres of beautifully landscaped grounds approximately five kilometres from downtown Terrace. The campus features student housing, a day care and a full service cafeteria. The community of Terrace is the geographic centre for the region's natural transportation corridors and acts as a regional centre for many services. The convenience of two major shopping malls, easy travel to a major downhill skiing facility on Shames Mountain, plenty of indoor and outdoor recreation, and many forms of cultural activities combine to make an excellent lifestyle for area residents.

The College Centre offers a full scope of programs that includes a two year University Credit program, Career and College Preparation, Early Childhood Education, Social Service Worker, Trades and Technology, Office Technology and Business Administration. A focus on providing skills for the workplace has prompted the development of innovative new programs such as the Natural Resources Diploma and Applied Computer Certificate programs. Learners have the opportunity to achieve two year associate degrees and many programs are articulated with major universities. Support for learners comes in various forms, from on-site day care to peer tutoring services. A qualified, professional and helpful staff, smaller class sizes and student success services ensure a positive experience for all.

Nass Valley

The Nass Valley is situated 80 kilometres north of Terrace in the midst of a spectacular wilderness that includes the historic Tseax Lava Beds, Canada's youngest volcanic area.

Northwest Community College, through a special partnership with Wilp Wilxo'oskwhl Nisga'a (Nisga'a House of Learning) provides opportunities for post-secondary education to the citizens within the Nass Valley region. The College/Wilp Wilxo'oskwhl Nisga'a is centrally located in the community of New Aiyansh.

Various programs are offered throughout the communities in the Valley, including Career and College Prep in Lax Galts'ap (Greenville). The Nisga'a language and culture is immersed into the curriculum of programs offered in the area.

Stewart

Northwest Community College in Stewart has been serving Stewart and surrounding communities as well as Hyder, Alaska since 1989. The communities of Stewart and Hyder are situated at the head of Portland Canal on Canada's most northerly ice-free port. The area provides residents and visitors with many outdoor recreational opportunities and the ability to observe wildlife such as bears, eagles and salmon in their natural setting. Tourists and locals alike enjoy visits to century-old gold mines and the town of Hyder, known as Alaska's Friendliest Ghost Town.

The College provides a vital link to educational opportunities for local residents and offers Career and College Prep on a part-time basis. The College Centre is easily accessed by its location within the Stewart Secondary School. Learners have greater access to computer and telecommunications technology and learning resources through this high school/college partnership. Continuing education and community interest courses are offered based on identified local needs.

WESTERN REGION

Prince Rupert

Northwest Community College in Prince Rupert is one of the fastest growing centres in the College region, with enrollments in full-time programs up almost 10% over the last six years. Located on an inner harbour on the north coast, mild marine air keeps the temperatures moderate throughout the year. Established early in the province's history as a major port, the architecture and city layout is reminiscent of the city of San Francisco.

Full-time programming in Prince Rupert includes University Credit, Welding, Business Administration, Career and College Prep and English as a Second Language Training. Programs unique to the College are located at the Centre - the Marine program provides theoretical training for mariners, the Coastal Integrated Resources Management Program focuses on resources that are inherent to coastal areas, and the Coastal Eco-Adventure Tourism Certificate Program prepares learners for careers in the adventure tourism sector. Many partnerships have been established with other educational providers, First Nations organizations, and business and industry so that the development and offering of programs specifically meet the diverse needs of the community.

Additional programs in natural resources and wilderness guiding are planned for the future throughout the Western Region.

Haida Gwaii

(Queen Charlotte Islands)

Steeped in First Nation's cultural history and pristine beauty, Haida Gwaii is located across the Hecate Strait from Prince Rupert. Residents enjoy miles of sandy beaches and peaceful ocean views. The College has centres in two communities on the islands — Queen Charlotte City and Masset. Both College Centres are situated in the downtown core of the two communities. Distances to other communities on the islands are relatively short and make College programs easily accessible to all.

Course offerings include Career and College Preparation and continuing education/community interest courses.

A student-centred focus, smaller class sizes, quality instruction and program development/implementation in response to advice from the communities served combine to ensure a relevant and successful College experience.

Northwest Community College is one of the few remaining colleges that still has the word "community" in its name. This is by design and not accident. The College's Mission Statement reflects the commonly-held value that programs and services are there for the benefit of the communities served, and that all citizens can access the opportunities where they live and work

EDUCATION COUNCIL

The provincial government's Bill 22, the College and Institute Amendment Act, requires a common model for the structure of all colleges' governance bodies, such as the College Board of Governors and the Education Council. The College Board is the legal entity which makes the final decision on College financial and educational matters. The Education Council is the main policy-recommending body for College-wide education issues such as grading, admission standards and curriculum.

ADVISORY ROLE OF EDUCATION COUNCIL

A Board must seek advice from Education Council and the Council must offer advice on matters specified in the Act. Advice given must not conflict with policy or directives established by the powers and duties of the Minister. Council must be given 10 working days for determination and advice to the Board, unless there are "substantial reasons" why 10 days notice cannot be given. If the Board must deal with the matter prior to receipt of advice, the Board must advise Council of its decision on the matter and the reasons why notice was not given.

POWERS OF EDUCATION COUNCIL

Council must make bylaws for the conduct of its business. Such bylaws must include conflict of interest guidelines. The Council must seek prior approval of the Minister regarding the bylaws. In addition, the Council has authority to establish sub-committees. The substantial area in which Council holds sole power is the ability to set curriculum content for courses leading to certificates or diplomas.

JOINT APPROVAL

Essentially, decisions concerning curriculum evaluation for determining course and program equivalency and course credit within the College and between institutions require joint approval by the Board and the Council before they can be implemented. This determination does not include curriculum evaluation based on instructional methodology. There is 60 days (after a request made to either party from the other) in which to reach joint approval. If there is no agreement after 60 days, either the Council or the Board may refer the matter to the Minister or designate, who will make the decision.

EDUCATION COUNCIL MEMBERSHIP

Beth Davies, Acting President
Peter Colebrook, Administrative Representative
Larisa Tarwick, Administrative Representative
Doug Baker, Administrative Representative
Steve Doyle, Administrative Representative
Debbie Rocha, Office Careers & Office Administration
John Campbell, Business Administration
Jake Muller, Careers
John Krisinger, University Credit
Moni Izumi, University Credit
Jim Bathgate, Trades and Cooking
Stella Webster, Technology
Trish Nuyten, Natural Resources
Marie Grinstrand, Developmental Education
Larry Bolingbroke, Developmental Education
Lorrie Dobbs, Recording Secretary
Lynn Gould, Support Staff
TBA, Support Staff

Hayes Beatty, Student Representative
Jeff Robinson, Student Representative
TBA, Student Representative
TBA, Student Representative

FIRST NATIONS COUNCIL

On April 20, 1996 the Board of Governors of Northwest Community College formally approved the appointment of a First Nations Council to serve as an external advisory body to the Board. The First Nations Council was implemented as a result of the work of a College-initiated study on regional First Nations relationships, entitled "Stepping Stones to Improved Relationships: Aboriginal Equity and Northwest Community College." The First Nations Council is comprised of representatives from virtually every First Nations community within the College region.

The establishment of the First Nations Council as advisory to the Board was seen as a major step in ensuring that First Nations communities are involved in the planning and decision-making processes of the College. The Council also serves as recognition that this College region has the largest geographic distribution of tribal organizations in the province, with an average thirty (30) percent First Nations population (29,000 people) and a total of twenty-four (24) First Nations Member Bands located in the region. The College region encompasses the Haida, Tsimshian, Nisga'a, Haisla, Gitksan and Wet'suwet'en Nations.

The importance of First Nations involvement in the College is supported by these numbers and is confirmed by the College's commitment to aboriginal equity through the implementation of the Stepping Stones Action Plan. Definitive information contained in the Ministry's 1995 *B.C. Student Outcomes: Survey Results of Former College and Institute Aboriginal Students* shows NWCC as having the highest aboriginal student completion rates in the B.C. college system.

The First Nations Council seeks to ensure representation from each of the nations within the northwest: Haida, Tsimshian, Nisga'a, Haisla, Gitksan and Wet'suwet'en. Each nation sends representatives of the various organizations within the nation to the regularly scheduled meetings. Examples of organizations represented are education societies, private educational institutions, village governments, Education Administrators, treaty organizations and friendship centres.

First Nations Council
Bev Clifton-Percival, Chair, Gitksan, Hazelton

ORGANIZATIONS/COMMUNITIES CURRENTLY REPRESENTED:

Smithers Friendship Centre
Friendship House Association, Prince Rupert
Gingolx
Gitanmaax
Gitanyow
Gitlakdamix
Gitsegukla
Gitwangak Education Society
Gitwinksihlkw Band
Glen Vowell
Hagwilget
Haisla Resource Centre
Hartley Bay
Iskut
Kermode Friendship Society
Kispiox
Kitamaat
Kitasoo
Kitselas
Kitsumkalum
Kyah Wiget Education Society
Lax Kw'alaams
Laxgalts'ap
Masset
Metlakatla
Nee-Tahi-Buhn
Skidegate
Tahltan
Wilp Wilxo'oskwhl Nisga'a
Wet'suwet'en

General Information

- * *Admission and Registration*
- * *Fees and Refunds*
- * *Student Conduct Policy*
- * *Grading Policies and Procedures*
- * *Appeals*
- * *Student Records*
- * *Student Support Policy*
- * *Student Information*
- * *Services Available to Students & Public*

Admission and Registration

Northwest Community College is prepared to admit individuals with any level of qualification. Students may be required to meet specific program pre-requisites through academic upgrading at the College before they can be enrolled in the program of their choice.

College admission procedures ensure equal opportunity of access to programs for students who have the academic qualifications required by the program and are able to begin studies when space is available.

International students will be accepted in some programs if space is available. Canadians and landed residents who apply for admission with a reasonable lead time will not be denied access as a result of international student placement.

APPLICATION PROCEDURE

All new students are strongly encouraged to talk with an Educational Advisor before applying to the College. Appointments can be arranged by contacting the nearest centre.

To apply for a program at the College an applicant should:

- Complete and return an application form to the centre he/she wishes to attend along with:
 - high school transcripts*;
 - official transcripts of relevant post-secondary schooling*;
 - a non-refundable application fee of \$25.00.
 - any additional documentation noted in the program section.
- Applications that have not met all of the above requirements will not normally be processed. In the event that a conditional acceptance is offered it can be suspended if stated deadlines are not met. This would allow other qualified applicants to be offered a space.
- During the two weeks before the start of a program spaces are open to any qualified applicant who is prepared to complete the registration process.

* NOTE:

Official transcripts can usually be obtained from the Registrar's office at the last post-secondary institution attended. High school transcripts can be obtained by contacting the last high school attended. Applicants who are unable to obtain transcripts through the normal process should contact the Centre they are applying to or attach a note to the application so that an alternate assessment may be arranged where possible.

REGISTRATION

Students are required to register (*complete all forms and pay all fees*) on or before the date specified in their acceptance letter.

Students waiting for a Student Loan to be processed may defer the payment of their fees by contacting the Registration Office of the campus they will be attending.

Students whose fees are being paid by a sponsoring agency must present a letter to this effect at the time of registration. A charge of \$25.00 will be made to those agencies failing to supply this letter and wishing to authorize invoicing by telephone.

Fees and Refunds

APPLICATION FEE

A \$25.00 non-refundable application fee is charged to those applying for admission to certificate, diploma and associate degree programs. This fee is waived for students returning within 12 months of their last NWCC enrollment.

DEPOSITS (refundable)

Residence	\$125.00
Book & Tool	\$ 50.00 (some programs)

INTERNATIONAL STUDENTS

International students are assessed fees at a level that offsets the cost of their training to the Provincial Government. Please contact the Registrar for information on programs available to international students and the fees levied for the current year.

LATE REGISTRATION

A \$10.00 late registration fee may be charged to any student who has been attending class without being registered. For credit based programs, this will apply only after the last date for registration and course change as noted in the "Dates to Remember" section of this calendar.

OFFICIAL TRANSCRIPTS

There is a charge of \$5.00 for **each** official transcript.

REINSTATEMENT

There is a \$25.00 charge to reinstate enrollment for a student who has allowed their registration to lapse.

UNIFORM/COVERALL CLEANING

Students enrolled in Professional Cook Training, Mechanics and Millwright programs pay fees to cover the cost of cleaning uniforms/coveralls provided by the College.

TUITION AND STUDENT FEES

1. Continuing Education Programs & Courses

The College offers a variety of continuing education programs and courses in communities throughout the region. For information on available training and costs, contact the college centre nearest you.

2. Marine

Fees are charged per course. Contact our Prince Rupert campus for fee information.

3. Semester Based Programs - with a semester maximum

Includes the following programs:

Applied Computer Technology, Applied Technology, Business Administration, Integrated Human Service, Early Childhood Education and Natural Resources.

	Per Credit	Maximum Semester
Program Tuition	\$ 39.62	\$ 594.30
NWCC Student Assoc. membership & activity fee	\$ 1.95	\$ 29.25
Registration & Computer lab fee	\$ 3.33	\$ 49.95
Total	\$ 44.90	\$ 673.50

4. Semester Based Programs - no semester maximum

	Per Credit
Program Tuition	\$ 39.62
NWCC Student Assoc. membership & activity fee	\$ 1.95
Registration & Computer lab fee	\$ 3.33
Total	\$ 44.90

5. Vocational Programs - Full-time*

Adult Special Education, Automotive, Career and College Prep, Carpentry, Commercial Transport, Heavy Duty, Industrial Mechanic, Office Administration, Professional Cook Training and Welding.

	Per Day
Program Tuition	\$ 6.00
NWCC Student Assoc. membership & activity fee	\$.30
Registration & Computer lab fee	\$.50
Total	\$ 6.80

6. Vocational Programs - Part-time*

Students enrolled in vocational programs 12.5 hours per week or less.

	Per Day
Program Tuition	\$ 3.00
NWCC Student Assoc. membership & activity fee	\$.15
Registration & Computer lab fee	\$.50
Total	\$ 3.65

* Note:

- Although fees for vocational programs are calculated per day, fees are collected on a semester basis.
- Fundamental Level CCP do not pay the tuition portion of the fees.

7. Senior Citizens (age 65 or over)

Senior citizens are eligible for tuition-free enrollment in many NWCC courses. This exemption does not apply to any charges for materials, books or supplies that other students in the course are required to pay. Further information can be obtained from the college campus nearest you.

REFUNDS

Continuing Education Programs & Courses

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 before the course starts.
2. Withdrawal before second class - 100% of fees, less a \$10.00 administration charge.
3. Withdrawal after second class - NO REFUND.
4. Special registration and refund policies apply to courses labelled as "designated". NO REFUNDS are made after the pre-registration date unless the space can be sold to another student. The withdrawing student will then be refunded 100% of the fee, less a \$10.00 administration charge. Before the pre-registration date, the regular refund conditions apply.

Marine Studies

On registration, students in Marine programs are required to pay fees by the course. In the event that a student withdraws, the fees will be prorated on a daily basis to determine the refund. There is no refund for Marine self-study or PMTC courses.

Semester Based Programs

1. Withdraw before the end of the 1st week of the semester - 80% of tuition and student fees.
2. Withdrawal during the 2nd, 3rd, or 4th week of the semester - 50% of tuition and student fees.
3. Withdrawal after the 4th week of the semester - NO REFUND.

Vocational Programs - Full & Part-time

On registration, students in vocational programs are required to pay tuition, calculated on a daily basis, to the end of the semester in which they are registered. A full refund of tuition and student fees paid beyond the date of completion or withdrawal will be made.

Student Conduct Policy

GENERAL CONDUCT AND SAFETY

The College strives to provide an effective and safe learning environment for you and your classmates. If a member of your class is acting in a manner which makes it difficult for other students to learn or threatens their safety, your instructor may require the student to leave the class. In serious situations, the student may not be allowed to return to the class. If a student is expelled from class the instructor will file a report, clearly documenting the reasons for expulsion, with the Centre Director within twenty-four hours. A copy of this report will be given by the Director to the student on request. If the student disagrees with the contents of the report, or wishes to dispute the action taken, he or she can follow the appeal procedure contained in this section. This appeal will be heard as quickly as possible.

INTELLECTUAL HONESTY

The grades you receive as a student at Northwest Community College are a statement of your personal achievements. It's essential that everyone (your fellow students, instructors, potential employers and other institutions) be confident these grades are the result of your personal effort. The College will not, therefore, tolerate any forms of intellectual dishonesty.

Examples of intellectual dishonesty include presenting the published work of others as your own (plagiarism), copying, aiding and abetting copying, falsifying laboratory results and cheating on exams.

The possible penalties imposed by the College for intellectual dishonesty include a variety of disciplinary actions. Examples of actions which may be taken by the College include a warning, a requirement to repeat the work, assignment of a failing grade for the work, failure in the course, a change in the technique used to calculate your final grade and expulsion from the College.

If you are accused of committing an intellectually dishonest act your instructor will provide a written statement describing the incident and the penalty imposed to you and the Director of the centre. If you disagree with the instructor's charge you may initiate the appropriate appeal procedure.

ATTENDANCE

Experience has shown that students who attend classes regularly do far better than those who are often absent. If you miss a class you may have missed important information about assignments, exams or upcoming opportunities. You should make sure you find out what you missed.

Some students attending the College are sponsored by various agencies. Most agencies require the College to regularly report the attendance of the students they sponsor. If you are a sponsored student you should make sure you know your sponsor's rules about attendance.

The Co-operative programs offered by the College provide students with the opportunity to gain valuable work experience directly related to their studies. These students are employees during their work terms and are expected to conduct themselves in accordance with the requirements of their employer.

The College, in cooperation with a number of agencies, provides students with the opportunity to complete practicum placements for a number of career programs. Successful completion of a specified number of hours is required for provincial certification. The agencies providing the opportunity expect students to make a valuable contribution to their organization. For these reasons attendance is required for students enrolled in a practicum. If you must be absent from a practicum or clinical session, you should notify both the placement agency and the instructor supervising the practicum, of the absence, its nature and expected duration as soon as possible. Appropriate documentation may be required for absences during a practicum. Excessive absences from practicum placements may result in a student being required to withdraw from the course.

ABSENTEEISM

If you miss a scheduled examination or submit course work after it's due, for medical or other reasons, you must notify your instructor as soon as possible. To ensure all students are treated fairly, your instructor will ask for appropriate evidence to support your claim. If the reason for your absence is medical, then a statement of illness from a doctor may be required.

If your reasons for missing an exam are acceptable you will be allowed to write a substitute exam later. If the exam you missed was the final exam in a course, you will receive an "Incomplete (INC)" grade on your transcript. The instructor

will arrange an alternate method of evaluation, your final grade in the course will be calculated as if you had written the exam at its scheduled time. Failure to provide appropriate documentation to support your claim will usually result in a score of '0' if an exam is missed or the reduced grade which results from the imposition of penalties for overdue assignments.

If you are suffering from long term medical problems, or there are other exceptional circumstances which may affect your ability to complete your studies successfully, please notify your instructor as soon as possible. Your instructor will work with you to try to develop a schedule which allows you to complete your studies.

Grading Policies and Procedures

METHODS OF EVALUATION

Methods commonly used for evaluation include assignments, essays, oral or written tests, participation in class discussions, performance in seminar presentations, performance during professional practica, demonstration of practical skill requirements, laboratory assignments and examinations, open book or take-home examinations and final examinations.

Your instructor will provide a written course outline at the start of the course which will include a description of how your final grade will be determined. This description will include which methods will be used, a general description of how each requirement will be evaluated, the weight given to each in the calculation of your final grade, penalties for the late submission of work and any special regulations about laboratory or term assignments and essays.

It is your responsibility to ensure that you understand the grading criteria for each course in which you are registered. Lack of familiarity with how a course's final grade is calculated is not a sufficient reason for appeal of a grade.

ASSIGNMENTS AND ESSAYS

Your instructor will tell you when an assignment or essay is due and how it will be marked when it is assigned. If there are problems which prevented you from completing the project on time please refer to the Absenteeism section of the General Regulations.

If you do not complete all work for a course before the final examination you may not be allowed to write the final exam.

The grading criteria handed out at the start of the semester will provide detailed information concerning late work for the course.

EXAMINATIONS

It is generally recognized that continuous evaluation is an important part of the learning process; however, final examinations are required in some courses. The grading criteria distributed for each course at the start of the semester will indicate if a final exam is required. If a course you're taking has a final exam it will not count for more than 50% of your final grade.

In courses which have a scheduled exam period a schedule of examinations will be available at least four weeks before the start of examinations.

If you are unable to write an examination you must follow the procedure described in the Absenteeism section of the general regulations.

INCOMPLETE GRADES

An incomplete grade indicates that some required course work was not completed and evaluated in the prescribed time period due to unforeseen but justifiable reasons and that there is still a possibility of earning credit. It is your responsibility to discuss the situation with your instructor. Your instructor and you must develop a plan to satisfy the remaining course requirements within a reasonable period of time. A final grade is assigned when the work is completed and evaluated.

An incomplete grade will change to an F if the required work is not completed within the agreed time period.

WITHDRAWAL

A grade of 'W' indicates you officially withdrew from the course and/or program and does not affect your standing at the College.

For most vocational courses you may withdraw at any time. Fees are charged only until the date of withdrawal.

Most credit based programs have a specified date after which withdrawals are allowed only in exceptional circumstances and with the approval of the instructor. Non-attendance by itself is not considered to be a withdrawal and the instructor may assign a grade of 'F' or 'UW' to those who do not formally withdraw.

To withdraw from a course or program you must complete the appropriate forms at the Registration Office. Please refer to the "Dates to Remember" section at the beginning of this calendar for application dates.

NOTE:

Before withdrawing from a course, recipients of student aid through the B.C. Student Assistance Program should check whether their eligibility for aid will be affected.

GRADING SCALE

Final grades are generally reported using letter grades. Each letter has a numerical equivalent which is used to calculate your grade point average. These letter grades and their numerical equivalents are: (See next page for Chart)

NWCC GRADING SCALE CHART

LETTER GRADE	GRADE POINT	INTERPRETATION
A+	4.33	Outstanding Achievement
A	4.00	
A-	3.67	
B+	3.33	Above Average Achievement
B	3.00	
B-	2.67	
C+	2.33	Average Achievement
C	2.00	
C-	1.67	
P	1.00	Marginal Achievement
F	0.00	Failure
AUD	n/a	Course audited - Not for credit
CIP	n/a	Course in progress
CR	n/a	Credit granted - Satisfied performance criteria
EX	n/a	Exemption granted for prior learning or experience
I	n/a	Incomplete - Extension granted, changes to F if not completed
NC	n/a	Credit not granted
PC	n/a	Partial completion or program closure
SC	n/a	Enrollment status change - Internal use only
TRF	n/a	Transfer credit from another institution
UW	n/a	Unofficial Withdrawal - Student did not complete course
W	n/a	Withdrew during allowed period or with instructor permission

CALCULATING GRADE POINTS AND YOUR GRADE POINT AVERAGE

The grade point for a course is calculated by multiplying the numerical equivalent of the letter grade obtained in the course and the course's credit hours. A course which had three credit hours and in which you obtained a B- would therefore have a grade point of $3 \times 2.67 = 8.01$.

Your grade point average is calculated by dividing the total number of grade points you have earned by the total number of credits you have accumulated.

PRIOR LEARNING ASSESSMENT & RECOGNITION

Northwest Community College is committed to meeting the needs, of, and broadening access for, adult learners through the assessment and recognition of prior learning.

Prior Learning Assessment (PLA) involves faculty evaluating the knowledge and/or skills an individual may have gained through non-formal education/training or experience and the granting of appropriate credit by Northwest Community College. Skills, knowledge and competencies that have been acquired through work experience, unrecognized education or training, self-study, volunteer activities, hobbies and other life experiences can all be assessed for credit.

Prior Learning is currently under development at NWCC, please see an Educational Advisor for further information.

Appeals

STUDENT APPEAL

Any student who perceives that she/he may have been unjustly treated regarding the application of a college procedure, the action of a college employee, or that a final grade does not reflect actual achievement has the right to seek recourse through an appeal procedure.

If requested, the college will identify an individual or agency to assist the student with the appeal process.

A detailed process for appeals is available at each college office, from Student Advisors, and from Student Associations. The detailed process will be consistent college wide but variations will be necessary due to campus structures, program duration, etc.

GRADE APPEAL

Students are encouraged to discuss any grade received with the instructor at the time the grade is issued. Students may request reconsideration of final course grades only. The appeal must be of sufficient substance to warrant a change to the grade if the appeal is successful.

Procedure

If at any point during the appeal process, the student feels unsafe approaching the designated person, she or he may pursue the appeal directly to any of the other people named in the procedure (i.e. Administrator, Instructor or Centre Director).

1. The student must initiate the appeal process by discussing it with the instructor within 30 calendar days following the receipt of the final grade.
2. If the matter cannot be satisfactorily resolved with the instructor, the student may pursue the appeal by forwarding a written outline of the appeal to the administrator responsible for the program. If the administrator is also the instructor, the written appeal will be forwarded to the Centre Director. The appeal must specify the course, the instructor, the evidence upon which the appeal is based, and the resolution being sought.
3. Failing resolution with the administrator, the student may pursue the appeal by forwarding it to the Centre Director who will verify that the appeal process has been properly adhered to and will submit the appeal to the grade appeal committee. In general, fourteen calendar days will be allowed for the appeal to progress from the instructor to the Centre Director.

SUSPENSION APPEAL

A student may be suspended from the college for disciplinary reasons for a given period or indefinitely. The final decision to suspend a student may be made only by the President and will be done in writing. A student who has been suspended and feels the decision is unjust has the right to appeal the decision.

Procedure

1. The student must initiate the appeal process within 48 hours of the receipt of the suspension notice by notifying the President of her or his intention to appeal. This notification must be in writing.

2. The President will establish a suspension appeal committee to hear the appeal within 5 days of receipt of the student's notification.
3. The Chair of the Appeal Committee will advise the President of the committee's decision and the President will advise the student.
4. If the student finds the committee's recommendations unsatisfactory, she or he has the right to appeal to the Board of Directors. Appeals to the Board must be made in writing within 48 hours of receipt of the Appeal Committee's decision. The role of the Board is to ensure that proper procedure has been followed and will not include a review of the reasons or justification for the suspension.
5. The decision of the Board is final and binding.

OTHER APPEALS

Any student who perceives that she or he has been unjustly treated or that a decision affecting her or him is unfair, has the right to initiate an appeal. Other appeals might include decisions on admissions, financial aid, student harassment or other non-instructional situations.

Procedure

If at any point during the appeal process, the student feels unsafe approaching the designated person, she or he may appeal directly in writing to any of the other persons named in the procedure (i.e. Supervisor or Centre Director).

1. The student must first attempt to resolve the issue with the college employee on an informal basis within 30 calendar days following the incident.
2. If the matter cannot be satisfactorily resolved with the college employee, the student may pursue the appeal by forwarding a written outline of the appeal to the employee's supervisor.
3. Appeals will be resolved by the Centre Director based on recommendations of an appeal committee.
4. The decision of the Centre Director is final and binding.

Student Records

CERTIFICATES, DIPLOMAS AND ASSOCIATE DEGREES

Northwest Community College issues a variety of cards and certificates to recognize attendance, completion and/or achievement in many non-credit programs. Full certificates are awarded on successful completion of credit programs in Basic Training, Pre-employment and Career Programs. Diplomas and Associate Degrees will be awarded on successful completion of the equivalent of four full semesters or two years. Students who believe that they have completed the requirements for a Certificate, Diploma or Associate Degree should consult with their instructor or an Educational Advisor.

CHANGE OF ADDRESS

In order to ensure that transcripts, tax forms and other mailings reach students in a timely manner, all changes of address need to be reported to your campus. A "Change Notice Form" is available for this purpose.

CHANGE OF NAME

A student who wishes to change his or her name on their student record must advise the College in writing and provide official documentation of the change (i.e. copy of marriage certificate).

CONFIDENTIALITY OF STUDENT RECORDS

The College considers a student's record of achievement to be confidential and will not release information without the student's written consent except under the following circumstances or conditions.

Information on students may be disclosed without consent of the student to designated College officials deemed to have legitimate educational interest.

Information will be released without student consent to persons in compliance with a judicial order or subpoena, or as required by federal or provincial legislation.

Information will be released without student consent in an emergency, if the knowledge of that information is required to protect the health or safety of the student or other persons.

In all other cases, information on students will be released to third parties only at the written request of the student, or where the student has signed an agreement with a third party, one of the conditions of which is access to his record (e.g. in financial aid). This restriction applies to requests from parents, spouses, credit bureaus, police, etc.

Students have the right to inspect their academic record and challenge any contents which they believe to be inaccurate or misleading. A staff member will be present during such an inspection.

Students will, on submission of a signed request and payment of the appropriate fee, have the right to receive transcripts of their own academic records. Such a right would not apply to students in debt to the College but such students will still have the right to inspect and review their records. No partial transcripts of a record will be issued. The College will not normally provide students or third parties with copies of other documents on file (e.g. transcripts from other institutions.)

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY

In signing an application for admission, you are advised that both the information you provide and any other information placed on your student record will be protected and used in compliance with Bill 50 Freedom of Information and Protection of Privacy Act (1992) and the operations of the College. Information collected and maintained as part of your student records is collected under the authority of the Colleges and Institutes Act.

Northwest Community College gathers and maintains information used for the purposes of admission, registration and other fundamental activities related to being a member of the Northwest Community College community and attending a public post-secondary institution in the Province of British Columbia. Information you provide will also be used for non-administrative research purposes. This research will include longitudinal research using anonymous linked records in the B.C. Educational Records Linkage File (Link File). The personal records in the Link File are not identifiable and are not used for administrative purposes.

For further information please contact the Director of Education and Student Services, College Services, Northwest Community College, 5331 McConnell Avenue, Terrace, BC, V8G 4X2. Phone (250) 635-6511, or FAX (250) 638-5461.

OFFICIAL TRANSCRIPTS

Students who are applying for admission to a post-secondary institution are generally required to provide an official transcript from all previously attended institution. These transcripts bear the signature of the Registrar and the College seal.

To have an NWCC official transcript prepared you must complete a "Request for Official Transcript" form, available from any campus, and submit it to the Registrar along with a processing fee of \$5.00 for each transcript requested.

Official transcripts will not be processed for students who have outstanding debts to the College.

OUTSTANDING CHARGES

It is expected that students will meet their financial responsibilities to the College by paying required tuition and service fees. Students who have outstanding debts to the College will not be considered for re-admission nor will the College issue any official transcripts, certificates, diplomas or associate degrees until the debt has been cleared.

STATEMENT OF GRADES

Students will receive their grade statements by mail as soon as possible after the end of the semester. Statements of grades are mailed to the permanent address on file.

TRANSFER CREDIT

Students who have completed course work at other post-secondary institutions may be able to transfer credit towards a certificate, diploma and associate degree at Northwest Community College.

To request transfer credit, you must submit a letter of request noting the expected credit, along with an official transcript to the Registrar. This should be done well in advance of the start of your program at Northwest Community College.

Student Support Policy

"All students and potential students at Northwest Community College will have access to a comprehensive set of student support services."

The following various services are available to students from the time they show an interest in NWCC until the time they complete their studies at the College. All of the following services will be available in each of the College regions.

REFERRAL

Students will first come to the College campus either on their own, or through referrals from community agencies or from other parts of the College.

INITIAL CONTACT

The first contact with the College may be by telephone, through the mail, through e-mail, or through a personal visit to a college campus.

ADVISEMENT SESSION

Students who need advice on college programs or help with their career planning can discuss their goals with members of the NWCC Student Support Team. Depending on the campus, the support team may include the Education Advisor, the First Nations Access Coordinator, the Coordinator of Services for Students with Disabilities, the Education and Career Support Specialist, or program faculty and staff. College staff may also provide assistance with financial aid, sponsorship through community agencies and special services for students with disabilities.

ASSESSMENT AND APPLICATION

When students have chosen their courses or programs they will complete an application for admission to the College.

Students may also do a program assessment to find out if they are ready to begin their studies. Students who are not yet ready to successfully complete their chosen courses or program will be helped to upgrade their skills.

PROGRAM REGISTRATION

Once the College has approved the application for admission, students will be offered the next available seat in the course or program. Students will pay their fees and meet all of the

requirements for entry into the program, sometimes with help from Student Support staff or outside agencies. The student will begin the program on the scheduled entry date.

FIRST SUPPORT CHECKS

College faculty and staff, as well as members of the Student Support Team, will monitor student performance and may offer assistance to students who seem to be struggling, missing classes or progressing more slowly than expected. These support checks are meant to provide assistance to give students the best possible chances of succeeding in their studies.

EDUCATION, PERSONAL AND CAREER SUPPORT

The College has many services available for students who may be having difficulties. Students can get help with money problems, academic problems, or personal problems which may be affecting their studies, or they can get advice about educational and career planning. In some cases, students will be referred to agencies outside the college for assistance. Students can refer themselves to any of these services, or they may be referred by college faculty or staff.

SUBSEQUENT SUPPORT CHECKS

College faculty and staff as well as members of the Student Support Team will continue to monitor student performance throughout the college term.

PROGRAM COMPLETION OR WITHDRAWAL

Many students will complete their studies without using NWCC Student Support Services, while others will finish with some assistance. In a few cases, students may decide to change to another program or to withdraw from the College.

Services Available to Students & Public

ADVISING (Educational)

Educational Advisors provide students with up-to-date information on college services, policies, procedures, facilities, programs and courses. Advisors have knowledge of all college programs as well as programs and courses at other educational institutions. Advisors are trained to assist students with developing educational plans and with course planning. They are available to help students define and work towards their educational goals. Potential students interested in applying to the College may make an appointment to speak to our Educational Advisor. Students are encouraged to phone their local campus to make an appointment.

BOOKSTORE SERVICES

Textbooks and course materials for College courses and programs are available at College campuses as well as general interest books, stationery, backpacks, clothing and memorabilia. The staff also provide a special order service for any book from anywhere. Services are available to students, faculty, staff and the community.

CAREER RESOURCES

Each Centre has calendars, books and periodicals with information on a wide variety of topics including career planning, personal development, college and university programs.

CHILD CARE ACCESS

The Regional Child Care Access Pilot Project assists communities in the northwest region to increase and strengthen their childcare options. "Student Parents" will be offered information on obtaining: Child Care options; quality Child Care; Child Care subsidy; and, licensed Child Care information. This information is available (Blue Binders) from Educational Advisors. There is on-going campus displays regarding child care access issues and child care training programs are offered through our College centres. The College has a Child Care Access Co-ordinator on staff who can help students with child care issues. Your children's child care takes time to plan so contact the Co-ordinator for help! You can access the Co-ordinator through your local College Centre.

CLEAN AIR POLICY

On the basis of information from the Canadian Medical Association regarding the increased health risk from secondary tobacco smoke, Northwest Community College is a non-smoking college.

CO-OPERATIVE EDUCATION

Co-operative Education combines academic study with related work experience in business, industry or government. Students gain practical skills and an awareness of the variety of employment opportunities available to them. Students alternate between full time studies and full time, paid work, resulting in a graduate better prepared to enter the work force.

All employment opportunities for Co-operative Education students are approved by the college to ensure suitability. Eligible Co-op student compete for placements with employers through an interview and selection process or secure their own approved job. *For this reason, students are not guaranteed a Co-op job.* Students are hired by employers and receive wages comparable to employees with similar positions. Students on a work term are monitored by faculty or co-op staff with on-site visits.

For some technology programs where work experience is a requirement of the program, students with little or no related work history may be required to participate in the Co-op program.

All students accepted into the Co-op program must participate in work orientation seminars (Co-op 100) that teach job finding and job keeping skills prior to the first work term. Attendance of these seminars is mandatory.

A Co-op fee is payable for each work term. Fees are calculated based on the six credits received for each successful work term.

To qualify for a first work term, students must:

- have successfully completed all first semester courses and be registered in all second semester courses, and have attended Co-op work orientation seminars (Co-op 100).

To qualify for a second work term, students must:

- have received credit for all previous courses in the program; and
- have received credit for the previous work term by receiving a satisfactory evaluation from the employer and writing a satisfactory work term report.

Co-operative Education work terms successfully completed in a British Columbia post secondary program will be eligible for transfer credit if they meet the following requirements:

- a) the student must be accepted into a Northwest Community College Co-op program;
- b) the program in which the work term was undertaken is provincially approved under the Co-operative Education Fund of British Columbia;
- c) the work term is officially recognized (noted on transcript) by the institution where the work term originated;

Regardless of the number of work terms accepted, students will be required to complete at least 50 percent of the required work terms in the new program into which they are transferring. Acceptance into a Co-op program at one institution does not guarantee acceptance in a NWCC Co-op program. Application for the transfer of work terms must be made to the Registrar prior to undertaking any additional work terms at NWCC.

To graduate from a Co-op program and receive a Co-op designation on a diploma, a Co-op student must receive credit for all required courses and at least two Co-op work terms.

Students registered in a work term are considered to be registered full time students of the college.

Co-operative Education is currently offered in the *Business Administration* and *Natural Resources* programs. Co-operative Education may not be offered at every College centre each year.

COUNSELLING (Personal)

Students who are experiencing personal difficulties can access community counselling services by contacting the Educational Advisor, an instructor, or a Centre Director. Students who request this service are assured that their request will be kept confidential and that the service will be provided in confidence. This service is generally available off-campus weekdays. Where necessary, arrangements can usually be made for evening or on-campus appointments.

DAYCARE

Daycare is available at the Terrace campus and offers two separate programs for children. The first group, 18 months to 3 years of age is an inclusive group setting handling a maximum of 12 children. The second group, 30 months to 5 years

of age is an inclusive group setting handling a maximum of 20 children. If you wish further information on Daycare, contact the Daycare Supervisor, at the Terrace campus.

DISABILITY SUPPORT SERVICES

A range of services and/or equipment are available to enable students with disabilities to pursue their education. *If you require any of these services please contact the Coordinator of Services for Students with Disabilities at least eight weeks before the start of classes.*

Services include:

Accommodations

At the Terrace centre there are male/female dorms equipped for students with a physical disability. In all other centres you may obtain advice on accommodation from the Educational Advisor.

Equipment

A wide range of equipment is available for students to use. Examples of equipment which can be borrowed include keyguards, therapeutic chairs, back support cushions, touch talker computer, braille, MPrint, amplified headphones, TV decoder, unicom membrane board, variable speed 4 track recorder, FM listening device, talking calculator and a Porta Cap.

The Ministry has made available to all colleges with its Adult Services Pilot Project (S.E.T.B.C.) initiative a resource bank of adaptive equipment and software. This initiative has expanded N.W.C.C.'s ability to further address the needs of students with disabilities.

Student Assistants

Student Assistants can be hired to provide help to students with disabilities in a number of ways. Examples of assistance include mobility assistance, tutoring, library research, notetaking and typing.

Orientation and Pre-registration Assistance

Individualized orientation sessions and pre-registration assistance are available for students with disabilities.

Physical Accessibility

The College is working towards improving the level of physical accessibility at each of its locations. Each campus has designated handicapped parking spaces and washrooms are equipped with grab bars.

Program Support

Program support items available include: Exam adaptations

(oral, taped, extended time, etc.), NCR paper (non carbon required paper), tapes/tape recorders, photocopy pass for lectures notes, talking books, interpreters, mobility assistance and tutors.

FINANCIAL AID

You may wish to contact the Educational Advisor in any of the college centres if you have questions about financing your education. See the "Financial Aid Sources" section for a more complete description of financial assistance.

FIRST NATIONS STUDENT ACCESS

First Nations Student Access Co-ordinators provide consultation regarding personal and educational matters to First Nations Students. Students are able to access services and resources both on and off campus. Co-ordinators provide general information regarding College programs and registration procedures to prospective students. Co-ordinators also act as a liaison between instructors and Band education officers, work in conjunction with the First Nations Council for NWCC and facilitate cultural awareness activities and special events.

FOOD SERVICES

A large pleasant cafeteria is located at our Terrace campus offering light meals, salads, desserts and appetizing entrees. The cafeteria is open Monday to Friday, September through May. Hot and cold beverages and snacks are available through vending machines. Estimates suggest the average student spends \$325 to \$375 per month on food.

Food services are not available at other campuses.

HOUSING

The Terrace campus offers comfortable, convenient accommodation for up to 160 full-time students. There are five (5) two story complexes with laundry facilities, cable TV, common lounge areas, pay phones and washroom facilities on each floor. Most rooms are designed for double occupancy. Students are advised to apply IN ADVANCE to the Residence Office. In all other campuses you may obtain accommodation information from the Educational Advisor. It is the student's responsibility to determine the suitability of any accommodation.

Further information on rates and availability can be obtained by contacting the Residence Office, Northwest Community College, 5331 McConnell Avenue, Terrace, B.C. V8G 4X2.

LIBRARY/LEARNING RESOURCE CENTRE

The Library (LRC) makes available and accessible, a wide range of services and resources, **free of charge** to all college students, staff and faculty, as well as the general college community.

The role of the LRC is to support the teaching, curriculum development, and learning processes of the College community, to instruct members of that community on how to find information, and to encourage lifelong learning.

* *Online catalogue access is available from every campus LRC or from home through a PC and a modem:*

Datapac: 65100028
or
Internet: NORADM.NWCC.BC.CA

Username: NWCAT

* *Reference and research assistance is available by phone at your nearest campus LRC, in person at Terrace or Prince Rupert campus, or long distance at (250) 638-5407.*

* *Library cards are available "free of charge" at all LRCs. To borrow materials, you must have a current library card with no outstanding fines or overdue materials.*

Loan Periods:

Books, government documents	3 weeks
Videos	2 days
Periodicals, Reference books	Do Not Circulate

Overdue fines:

Books, government documents	\$.25/item/day
Videos	\$.50/video/day
Reserves	\$.25/item/hour

* *Other services available through the Learning Resource Centre include:*

Photocopier	\$.10/page
Fax	\$ 1.00/page
A/V supplies	
Transparencies for overheads	\$.50/sheet
Blank video cassettes	\$5.00/each
Blank audio cassettes	\$1.00/each
Used Books	\$1.00/book
A/V Equipment rentals	\$10.00/item
Internet Access	FREE! (in the LRC)

PERSONAL MEDICAL INSURANCE

It is the responsibility of each student to ensure that he or she is adequately covered under one of the available Medical Insurance Programs in British Columbia. The College cannot be held responsible for medical or hospital costs incurred by students who have failed to maintain their own coverage. Information and application forms for medical insurance are available through each College Centre. Students in some vocational programs are covered for certain benefits under the College's Workers Compensation coverage. This benefit is limited to rehabilitation costs and does not cover hospital and medical costs that would otherwise be covered by a provincial medical plan.

RECREATIONAL ACTIVITIES

Student participation and organization play a major role in the activities that take place at each centre. Students are encouraged to share their experience and expertise in these areas, and are invited to come forward with their suggestions for recreational programs and events. All expenses are paid by your Students' Association to an extent depending on the event or program. Skiing is also a part of the recreational activities located near most of the centres. Anyone interested in organizing any event or wanting information on events happening should contact their Student Association representative.

At the Terrace Campus there is the Racquet & Fitness Centre. Offered are squash and racquetball courts, weights, exercise equipment and much more, with a special rate given to students. Also, a soccer/football field and a softball diamond are available for use. Equipment is available at the centre.

STUDENT COMPLAINTS OF DISCRIMINATION OR HARASSMENT

Northwest Community College is committed to providing a learning and working environment which is free from all harassment and discrimination. Students who feel that they are experiencing discrimination or harassment for any reason should begin by discussing the matter with any designated member of the student support team, or the campus administrator at their campus. The situation will be reviewed confidentially, according to the College policy and procedures and the complainant will be provided with information and advice on procedures and option available.

STUDENT SUCCESS

If your academic performance at Northwest Community College is not what you'd like it to be, and you want to do something to change that, there's help available. Student Success Co-ordinators at every campus arrange activities designed to help make your experience at the college a successful one. Some of the services at your campus may include free tutoring, workshops on study skills, individual study skills advising, orientation activities and more. To get the details, contact the Student Success Co-ordinator at your campus.

STUDENT SUPPORT SPECIALIST

The Student Support Specialist offers assessment, support, and referral to students with problems that may not be directly related to their school work, but can interfere with their attendance or success in their classes. This is a confidential service. Community counselling services can also be accessed.

WORKERS' COMPENSATION BOARD COVERAGE

Workers' Compensation Board (WCB) coverage is in place for all students while participating in a required practicum at a recognized work site and during classroom/lab/shop instruction for student apprentices only.

Programs

- * *Adult Special Education*
- * *Applied Computer Technology*
- * *Applied Technology*
- * *Automotive Repair Technician*
- * *Business Administration*
- * *Career & College Prep*
- * *Carpentry*
- * *Coastal Eco-Adventure Tourism*
- * *Commercial Transport Repair Mechanic*
- * *Early Childhood Education*
 - *Preschool Aide Training (P.A.T.)*
- * *English as a Second Language*
 - *Summer Intensive Program*
- * *Heavy Duty Mechanics Training*
 - *Entry Level*
- * *Industrial Mechanic (Millwright)*
 - *Entry Level*
- * *Home Support/Resident Care Attendant*
- * *Integrated Human Service*
 - *Addictions Option*
 - *Mental Health Option*
 - *Special Education Assistant Option*
 - *Social Service Worker Option*
 - *Youth Option*
- * *Marine Studies*
- * *Natural Resources*
- * *Office Administration*
- * *Professional Cook Training*
- * *University Credit*
- * *Welding*
- * *Wilderness Guiding Skills*

ADULT SPECIAL EDUCATION

- Entry Level Employment Programs (Terrace Campus)

Northwest Community College hopes to meet the challenge of providing accessible education by offering innovative courses.

Adults with special education needs can acquire basic knowledge leading to fuller participation in the community.

The Adult Special Education Department offers the following programs/courses, depending on demand.

WORKPLACE SKILLS TRAINING

(formerly Experience-Based Vocational Preparation)

This nine month full-time program is intended to prepare students to be work ready. The interests and aptitudes of students will be explored. Program objectives include developing good work habits, increasing awareness of work-site expectations and providing on-the-job experience. This program is recommended for students planning to apply for modified programs.

ADMISSION REQUIREMENTS

There are no formal academic requirements for this program. Students must have learning difficulties which prevent them from taking part in mainstream courses, and demonstrate an interest in securing an entry-level job. Students must be able to function in a classroom setting. Break periods are not supervised. Students may be required to obtain a criminal record check prior to practicum placement.

PROGRAM OUTLINE

Fall Semester

WST 100-4: Personal Profile And Career Planning

WST 101-1: Managing Your Money

WST 102-2: Introduction to Workplace Safety

WST 103-3: Developing A Positive Work Attitude: Part I

WST 104-3: Basic Computer Skills: Part I

WST 105-3: Survival Math * (continues through Winter Semester)

WST 107-6: Fieldwork Practice - Practicum I
(continues through Winter Semester)

Winter Semester

WST 105-3 Survival Math * (continued from Fall Semester)

WST 106-3 Developing A Positive Work Attitude: Part II

WST 107-6 Fieldwork Practice - Practicum II & III
(continued from Fall Semester)

WST 108-3 Basic Computer Skills: Part II

WST 111-4 Job Search Techniques

WST 113-1 Super Host

WST 114-3 Developing Social Skills For Employment

WST 115-3 Interpersonal Skills

WST 116-1 Interacting With Others at Work

WST 117-1 Rights and Responsibilities

* Completion of WST 105 is not required to earn a certificate.

PRE-SCHOOL AID TRAINING

PREREQUISITE

This full-time, nine month program is designed to provide pre-vocational and literacy training for persons who do not meet the academic requirements for the Early Childhood Basic Program. Students will be introduced to the knowledge and skills required to work as aides in an early childhood setting. Graduates will be eligible to apply for entry to the integrated Preschool Aide Training Program offered by the Early Childhood Education Department.

For detailed information on the Preschool Aide Training (PAT) Program, please see listing under Early Childhood Education.

ADMISSION REQUIREMENTS

Students must have learning difficulties which prevent them from meeting the admission requirements for the Early Childhood Basic Program. A Grade III reading ability is preferred. Students will be required to obtain the following prior to starting fieldwork practice:

1. Current immunizations and a current tuberculin screening as certified on the College's Medical Assessment.
2. A Criminal Record Search.
3. An oath of confidentiality may be required for some work-place settings.

Note:

Students are responsible for making practicum transportation arrangements.

PROGRAM OUTLINE

Fall Semester

Students will be integrated into the Workplace Skills Training Program for most classes. In addition to all courses in Workplace Skills Training, students will be required to complete the following courses:

*Literacy: Students will start at LIT 100-3, 101-3, 102-3 or 103-3 depending on skill level.
(continues through Winter Semester)

WST 109-3 Preschool Aide Training Orientation: Part I

WST 112-6 Fieldwork Practice: Practicum I (continues through Winter Semester)

Winter Semester

Students will be integrated into the Workplace Skills Training Program for most classes. In addition to all courses in Workplace Skills Training, students will be required to complete the following courses:

*Literacy: (continued from Fall Semester)

WST 110-3 Preschool Aide Training Orientation: Part II

WST 112-6 Fieldwork Practice: Practicum II & III
(continued from Fall Semester)

* Completion of LIT 103 is required to earn a certificate.

FUNCTIONAL LITERACY (Part-time)

Functional literacy instruction is available on a part-time basis. Classes are self-paced and registration is on-going (space permitting).

PROGRAM OUTLINE

LIT: 100-3, 101-3, 102-3 & 103-3

WST: 105-3 Survival Math*

* Completion of WST 105 is not required to earn a certificate.

TRANSITION PROGRAMS

Short-term community interest courses are designed for students who wish to access an adult learning environment but are unable to take part in regular Adult Special Education courses.

MODIFIED PROGRAMS

Modified program options have been developed and are offered by the following College departments.

- Early Childhood Education
- General Trades Training (Mechanics)
- Office Administration
- Professional Cook Training

Note:

Not all modified options are offered each year. Prerequisites may apply. For more information on Adult Special Education programs, contact the ASE Coordinator in Terrace.

COURSE DESCRIPTIONS

LIT 100-3.0: Literacy

This course is designed to enable non-reading adult students to acquire readiness skills for beginning to read.

LIT 101-3.0: Literacy

The goal of this course is to introduce beginning reading and writing skills with controlled introduction to basic vocabulary. It will lay a foundation for work attack and reading/comprehension skills.

LIT 102-3.0: Literacy

This course is designed to expand on low beginning level skills learned in Literacy 100. Students will learn to use basic common vocabulary in context. Beginning spelling and comprehension skills will be further developed. Students will work on recognition of short vowel patterns and consonant blends. Plurals, tenses and correct use of pronouns will be introduced.

LIT 103-3.0: Literacy

This course is designed to expand on skills learned in Literacy 102. It will include introduction of: long vowel sounds; division of words into syllable; development of word meanings from context; recognition of root word endings; practical controlled vocabulary through relevant practice with cheques, notes, letters and forms; and, development of word analysis skills which include contractions, prefixes, suffixes and compound words.

WST 100-4.0: Personal Profile And Career Planning

This course is designed to prepare students for employment. Students will explore and determine areas of interest, values, and preferences which clarify goals for career planning.

WST 101-1.0: Managing Your Money

This module is designed to expose students to basic budgeting strategies. Students will: demonstrate awareness of personal expenses; understand the difference between essential and non-essential spending; keep records of personal spending; and prepare a personal budget using present level of spending (with assistance if necessary)

WST 102-2.0: Introduction to Workplace Safety

This course is designed to increase knowledge of basic workplace safety. Students will receive modified WHMIS training.

WST 103-3.0: Developing A Positive Work Attitude: Part I

This course is designed to give students an opportunity to explore general personality traits and actions which contribute to a positive work attitude.

WST 104-3.0: Basic Computer Skills: Part I

This course introduces students to the basics of operating a computer. Emphasis is on word processing and what the Internet can do for you.

WST 105-3.0: Survival Math

This course will provide students with an understanding of survival arithmetic skills. Topics include: number recognition, counting, single digit addition and subtraction, addition of larger numbers, working with money i.e. making change.

WST 106-3.0:**Developing A Positive Work Attitude: Part II**

This course is designed to elaborate on the general work attitude topics discussed in WST 103. Learners will use case studies to develop knowledge of positive attitudes. Conflict resolution will also be discussed.

WST 107-6.0: Fieldwork Practice

Students will have the opportunity to practice and improve entry level work skills on three supervised practicums. The length of practicums depends on student needs. Fieldwork practice gives students the opportunity to practice and transfer classroom theory to worksites. Practicum hours will vary according to industry and student supervision needs.

WST 108-3.0: Basic Computer Skills: Part II

This is a continuation of Basic Computer Skills: Part I. In this course, students will learn more advanced word processing, hypercard and Internet skills.

WST 109-3.0: Preschool Aide Training Orientation: Part I

This course is a prerequisite to the Early Childhood Education PAT program. On completion of this course, students will: demonstrate an interest and aptitude for working with young children; develop good work habits; and become orientated to the PAT program. PAT orientation will involve students in discussion groups. Group and individual assignments are designed to prepare students for the workload of an integrated program.

WST 110-3.0: Preschool Aide Training Orientation: Part II

This course is a continuation of Preschool Aide Training, Part I. Students will plan activities for children they work with on practicums and develop an assignment sample portfolio.

WST 111-4.0: Job Search Techniques

This course is designed to prepare students to look for employment (supported or competitive). Students will prepare resumes, demonstrate an awareness of community agencies which can assist in the job search and demonstrate an understanding of the interview and application process.

WST 112-6.0: Fieldwork Practice

This course will provide students with the opportunity to develop relationships with children, prepare materials, help wherever necessary and develop positive team building skills with staff. The length of the practicum depends on student and or employer needs.

WST 113-1.0: Super Host

This workshop is designed to provide WST students with the skills and knowledge they need to provide good service at their worksites. It also encourages participants to feel a sense of personal pride and commitment to their work.

WST 114-3.0: Developing Social Skills For Employment

This course is designed to teach basic social skills and behaviours needed for the workplace. The relationship between social skills and social success will be emphasized.

WST 115-3.0: Interpersonal Skills

This course is designed to expand on the basic social skills introduced in WST 114. Principals of interpersonal communication on the job will be the focus. The relationship between interpersonal skills and success will be emphasized.

WST 116-1.0: Interacting With Others at Work

This course is designed to allow students to explore personality types and how they affect interactions at work and in everyday life.

WST 117-1.0: Rights and Responsibilities

This course is designed to encourage students to develop an awareness of the basic rights and responsibilities of all adults.

APPLIED COMPUTER TECHNOLOGY

(Terrace Campus)

Today, computer skills are required for any field of employment. How successful a person will be in finding or creating employment is directly related to their knowledge of technology. The Applied Computers certificate is designed to provide the student with computer skills and computer knowledge in order to become competitive in today's job market.

The certificate gives the computer skills and training which enable the student to be employable on their own merit or complement existing and future job skills. Students can transfer much of their work at NWCC towards a diploma or degree in computing science at other institutions. (Partnership agreements are in the process of being developed with other institutions.) Some credits earned in this program are applicable towards a NWCC certificate or diploma in Business Administration.

NWCC is planning a diploma year to the Applied Computer Technology program. Interested students are encouraged to contact the Program Coordinator for more information.

COMPUTER FACILITIES

- 22 work station Windows NT lab with Pentium 133 MHz 16 MB RAM
- 18 work station Novell networked lab with Pentium 200 MHz and 32 MB RAM
- 18 workstation MAC system 7.5 (ethernet)
- 3 Pentium 133 MHz 16 MB RAM computers with Internet access in the Library
- Dedicated lab space and computers for hardware and network projects
- All networked labs have Internet access

HOW TO APPLY

Applications are available from any College centre and should be submitted as early as possible, preferably in the Spring. All learners are encouraged to talk with an Educational Advisor before applying to the College.

DATES AND LOCATION

This program is available at the Terrace Campus and starts the day following Labour Day in September.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

ADMISSION REQUIREMENTS

1. English 12 or English 045 or 050 or satisfactory performance on the program's English assessment; and
2. A minimum of C+ in either Math 11 or Math 040. Those students electing to take CPSC 121 and CPSC 122 must have Math 12 or permission of the instructor.

Note:

If you are planning to continue your studies to complete a diploma or degree, you most likely will require Math 12 and English 12. Contact the Program Co-ordinator or the Educational Advisor if you plan on continuing your studies beyond NWCC.

PROGRAM OUTLINE

Students take a selection of courses from Trades, Business and University Credit. The certificate requires 9 months of study, two full semesters from September to April and a 120 hour practicum placement in May.

Students should contact the Program Co-ordinator if they have any questions about course selection.

Fall Semester (September - December)

ACCT 150 - 3 Fundamentals of Financial Accounting I
ACPT 100 - 4 Introduction to Operating Systems
CPSC 111 - 3 Introduction to Computer Applications
ENGL 151 - 3 Technical Writing I
MATH 150 - 3 Mathematics of Finance
OADM 200 - .5 Keyboarding I
OADM 205 - .5 Keyboarding II
TCOM 101 - 4 Introduction to Computer Hardware
CPSC 121 - 3 Programming in Pascal
(strongly recommended)

OR

ACPT 186 - 3 Computing Modules I

During the Fall semester 5 hours of Student Success Workshops will be available to assist students in developing skills that facilitate learning.

Winter Semester (January - April)

ACCT 151 - 3 Fundamentals of Financial Accounting II
ACPT 198 - 5 Job Search Skills
TCOM 111 - 4 Introduction to GIS
TCOM 121 - 6 Introduction to Networking
TCOM 170 - 4 Introduction to CAD
CPSC 122 - 3 Data Structures & Algorithms
(strongly recommended)

OR

Approved 3 credit elective - see approved list below

Practicum (May)

ACPT 199 - 3 Practicum

APPROVED 3 CREDIT ELECTIVES

Elective can be taken in the first term if the student is exempt or has transfer credit for other first term courses.

- ACPT 186 if CPSC 121 already taken;
- Any 3 credit course from the Business Administration Program;
- Any 3 credit University Credit course (Geography or Statistics recommended)
- NRES 120 from the Natural Resources Program;
- Math 161 from the Natural Resources Program if student does not have credit for Math 12.

COURSE DESCRIPTIONS

ACCT 150-3.0: Fundamentals of Financial Accounting I
See Business Administration section for course description.

ACCT 151-3.0: Fundamentals of Financial Accounting II
See Business Administration section for course description.

ACPT 100-4.0: Introduction to Operating Systems
This course provides an introduction to the basics of operating systems; structures and services as well as the use of popular operating systems and operating environments. Lecture topics to be discussed include: Processor management, Process management, Concurrent processing, Memory management, Device management, File management, System management and utilities. Emphasis will be placed on laboratory work which will give special attention to the use of DOS 6.22, Windows 3.1x, Windows 95, Mac, OS 2 and UNIX (using LINUX).

ACPT 186-3.0: Computing Modules I

This course is divided into three modules:

1. *Introduction to Structured Programming module* introduces programming using QBASIC. Programming assignments will require the use of the three control structures and various modes of programming input and output (keyboard, file, monitor).
2. *Internet module* will introduce: browsers, Internet addresses, search engines and web page creation and maintenance using HTML.
3. *Advanced Productivity Tools module* uses MS Office, with a concentration on Excel & Word. Students will be involved in writing BASIC functions and procedures in EXCEL, Word BASIC macros, customization of the MS Word interface, data analysis tools Object Linking and Embedding (OLE) and other advanced topics.

This course is a combination of lectures and lab work with emphasis placed on lab work.

ACPT 198-0.5: Job Search Skills

Job search introduces techniques and exercises in career planning and job searching. Topics include self-analysis, resumes, cover letters, job interview skills and job search resources.

ACPT 199-3.0: Practicum

The practicum is an opportunity for the students to apply their computer skills and knowledge developed in the course work to the work environment. The duration of the practicum is 120 hours and is offered in May. The Program Coordinator will locate practicum sites for the eligible students although students are welcome to pursue their interests and find their own placements. The placement is chosen and learning outcomes assigned in consultation with the Student, Supervisor and Co-ordinator. Pre-requisite: Complete at least 8 of the required Applied Computers Certificate courses (including TCOM 101 and TCOM 121) with at least a 'C' average.

CPSC 111-3.0: Introduction to Computer Applications
See University Credit section for course description.

CPSC 121-3.0: Programming in Pascal
See University Credit section for course description.

CPSC 122-3.0: Data Structures and Algorithms
See University Credit section for course description.

ENGL 151-3.0: Technical Writing I
See University Credit section for course description.

MATH 150-3.0: Mathematics of Finance

See Business Administration section for course description.

MATH 161-4.0: Applied Math

See Natural Resources section for course description.

NRES 120-3.0: Cartography

See Natural Resources section for course description.

OADM 200-0.5: Keyboarding I

See Office Administration section for course description.

OADM 205-0.5: Keyboarding II

See Office Administration section for course description.

TCOM 101-4.0: Introduction to Computer Hardware

This course provides students with an introduction to micro-computer hardware with the emphasis on the installation and operation of components that compose a modern personal computer; such as, motherboard, disk drives, printers, plotters monitors and modem.

TCOM 111-4.0: Introduction to GIS

This course provides an introduction to the concepts of geographical information systems (GIS) through the use of a commercial package such as ArcView. Emphasis will be placed upon spatial concepts associated with a large databases.

TCOM 121-6.0: Introduction to Networking

This course provides students with an introduction to computer networks from the perspectives of user and network administrator. The student will be able to demonstrate familiarity with many of the hardware and software features that are common in Local Area Networks.

TCOM 170-4.0: Introduction to CAD

This course introduces basic Computer Aided Design (CAD) fundamentals. The student will first be instructed to create, edit and plot two-dimensional CAD drawings to industry standards. The course will then focus on increasing productivity by customizing the interface and CAD environment. *Winter 1999 - this course will use AutoCAD LT Release 2 for Windows. AutoCAD LT has the basic capabilities of the full version of AutoCAD Release 14 but with a simplified interface.*

APPLIED TECHNOLOGY

(Kitimat Campus)

This program is currently in the process of articulation with other technology programs offered by institutes such as BCIT (British Columbia Institute of Technology). The intent of this articulation process is to provide a seamless transition from the one year Applied Technology program to other diploma (2 year) programs. As a result of this process some of the courses offered in the 1998-99 may vary from this calendar description. Contact an Educational Advisor if you are interested in applying in this program.

The Applied Technology program is a one year certificate program offered at the Kitimat Campus of Northwest Community College.

These days just about every one needs at least a basic level of technological literacy to communicate, do daily chores, even play - not to mention work. A recent article in the Vancouver Sun states that "industry professionals are predicting that the BC technology industry's 50,000 jobs and \$6 billion in annual revenue, could easily double in the next four or five years." Technology will be the dominant industry in the province. We just can't get away from it.

Technological literacy is the ability to use, manage and understand technology. Within the Applied Technology program you get this and more! You learn the general skills needed by anyone to work or move on to other technical training. These skills cover the areas of:

- communications
- mathematics
- computer studies
- management
- physical science
- research techniques
- environmental studies

ADMISSION REQUIREMENTS

1. Grade 12 with Mathematics 11 and English 12 *or* ABE Provincial Diploma with Math 040 and English 050.
2. Mature students having industry experience and equivalent skills may be admitted without the formal requirements.
3. Applicants may be required to complete skills assessment tests.

HOW TO APPLY

Applications are available from the College and should be submitted as early as possible, preferably in the Spring. All learners are encouraged to talk with an Educational Advisor before applying to the College.

DATES AND LOCATION

This program is available at the Kitimat Campus and starts the day following Labour Day in September.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PRIOR LEARNING ASSESSMENT (PLA)

Selected courses in the Applied Technology program may be credited to a student following the College PLA procedure policy. Please see the Educational Advisor if you feel you have prior learning which could possibly meet the outcomes of a course(s) in this program.

PROGRAM OUTLINE

This program is presently under review. Contact an Educational Advisor if you are interested in applying in this program.

Fall Semester

BCPT 150-3	Business Computers
BENG 150-3	Business Communications
INDT 101-3	Math for Technicians I
INDT 102-3	Math for Technicians II
INDT 121-4	Applied Electronics
INDT 151-4	Applied Chemistry

Winter Semester

ACPT 186-3	Computing Modules
INDT 131-4	Applied Physics
INDT 141-3	Drafting/CAD
INDT 230-3	Environmental Science
INDT 240-3	Calculus for Technicians
MGMT 251-3	Organizational Behavior

COURSE DESCRIPTIONS

ACPT 186-3.0: Computing Modules I

See Applied Computers Technology section for course description.

BENG 150-3.0: Business Communications

See Business Administration section for course description.

BCPT 150-3.0: Business Computers

See Business Administration section for course description.

INDT 101-3.0: Math for Technicians I

This course provides students with the algebraic and trigonometric skills necessary to work in a technical environment or to pursue further training in a technical field. Emphasis is placed on thorough, uncomplicated discussions of math concepts supported by numerous examples and practice problems as they pertain to real-world applications. Prerequisite: Math 11 or Math 040.

INDT 102-3.0: Math for Technicians II

This course provides further algebraic and trigonometric skills necessary for technical environments. Prerequisite: INDT 101 or permission of instructor.

INDT 121-4.0: Applied Electronics

This course is an introduction to DC and AC circuits. Theories will be illustrated through laboratory experiments; proper electrical safety procedures will be demonstrated and instruction will be given on the use of electrical measurements instruments.

INDT 131-4.0: Applied Physics

This course is an introductory physics course aimed at students majoring in technical fields. An integrated laboratory component enhances the concepts presented in class. Course content includes Newton's Three Laws of motion, friction, work, energy, power and efficiency, wave theory and sound, temperature scales and heat, expansion solids and liquids; calorimetry and heat transfer. Prerequisite: INDT 101, 102 or permission of instructor.

INDT 141-3.0: Drafting/CAD

This course will give the student an introduction to drafting, enabling them to read and understand drawings. Emphasis will be placed on the use of CADD drafting using AutoCAD LT.

INDT 151-4.0: Applied Chemistry

This is an introductory chemistry course which is designed to orientate students to the chemical concepts which are often encountered in industrial or technical settings. Integrated laboratory components will be used to emphasize major concepts as well as to instill some workplace skills.

INDT 230-3.0: Environmental Science

This is an introductory course to study the underlying principles of interaction between humans and the environment. Emphasis is placed on integrating regional examples and case studies industries. The course aims to stimulate in students, awareness of the need for all industries, resource based or not, to instill in all their workers environmental consciousness. Prerequisite: INDT 151 or permission of instructor.

INDT 240-3.0: Calculus for Technicians

This is an introductory calculus course designed to introduce students majoring in technical fields to the basic concepts and uses of calculus. Introduction to the underlying concepts of calculus, derivatives and integrals as well as their respective applications will be the focus of the course. Prerequisite: INDT 102.

MGMT 251-3.0: Organizational Behavior

See Business Administration section for course description.

AUTOMOTIVE REPAIR TECHNICIAN

(Terrace Campus)
8 - 9 months to complete

NWCC ENTRY LEVEL TRADES CERTIFICATE

in
AUTOMOTIVE REPAIR
TECHNICIAN

(Could be granted 1 year on an apprenticeship!)



THREE YEARS OF APPRENTICESHIP

Includes....
ANNUAL TECHNICAL TRAINING PERIODS
AT A TRADES TRAINING FACILITY
AND
ON-THE-JOB TRAINING WITH A
JOURNEYED TRADES PERSON
(Learning while earning!)



COMPLETE THE REQUIREMENTS OF YOUR APPRENTICESHIP

and
write the
INTER-PROVINCIAL
CERTIFICATION EXAMINATION

to become

a
CERTIFIED JOURNEYED TRADES PERSON!

Graduates of this program could find employment as Apprentices and helpers in repair shops or service stations, or in complex service departments of the Automotive Sales and Service Industry.

This Certificate Program is designed to:

- Be equivalent to the first year of apprenticeship technical training in the Automotive and Recreation Vehicle Repair Trades (Ministry of Labour Standards).
- Prepare learners for entry level skilled employment.
- Provide a foundation for career advancement and specialization.
- Give access and advanced standing to secondary school graduates of High School Apprenticeships, Career Preparation programs, and Learners with Prior Learning and relevant experience.

ADMISSION REQUIREMENTS

1. Grade 10 or G.E.D. or CCP (ABE) Intermediate Level Math and English, and
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

Note:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Overall fees of \$2.50/week.
5. Purchase of necessary learning resources (available at College Bookstore).

Note:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, 3 or 4 three ring binders, paper (lined & unlined), scientific calculator, geometry set, gloves and 3-3 1/4" computer disks.

START DATE

Programs are offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

Introduction to Trades

Topics included in the Workshop Orientation and Handskills section of the certificate are:

- Learning Success
- Applied Math
- Safe Work Practices
- Use Hand, Measurement & Power Tools
- Use Shop Equipment
- Introduction to Computers
- Read & Interpret Drawings
- Lift Loads
- Technical Communications
- Scaffolds & Ladders
- Fasteners & Fittings
- Describe Trades Occupations
- Workplace Skills
- Oxy-acetylene Cutting, Welding & Brazing

Automotive Technician

- Use Safe Work Practices
- Service Wheels, Hubs, Tires & Bearings
- Service Frames & Suspension Systems
- Test and Service Manual & Power Steering Systems
- Test & Service Brake Systems
- Perform Routine Maintenance & Diagnostics
- Test & Service Electrical Systems

BUSINESS ADMINISTRATION

(Prince Rupert & Terrace Campuses)

The Business Administration program at Northwest Community College uses innovative, creative and flexible techniques to provide students with a knowledge of management practice and appropriate administrative skills, techniques and methods from a number of perspectives.

To ensure students have the technical skills to enter the business world, the Northwest Community College Business Administration program integrates hands-on computer based applications into most courses.

Specifically the program will provide students with:

- Microcomputer skills, by incorporating hands-on micro-computer skills required to analyze, interpret, and problem-solve from a number of different business perspectives.
- An opportunity to obtain related work experience for those students choosing the cooperative education program.
- The ability to use written and oral communication skills effectively within a business environment.
- An understanding of the impact of external economic factors on productivity and profitability of individual firms in a variety of competitive environments.
- The ability to apply problem solving and critical thinking skills in a business environment.
- A background in quantitative courses which meets the articulation standards of the professional accounting bodies and other professional program requirements.
- The ability to integrate knowledge from business foundation courses into the remainder of the program.
- The Business Administration program is two years long and successful students earn a diploma. Students who complete the first year will receive a certificate in Business Administration.

Certificate in Business Administration

Upon successful completion of the 1st year of Business Administration, a student may apply for a one year certificate.

Diploma in Business Administration

Graduates of the program will be prepared for positions in a wide variety of organizations in the public and private sector. Students all take a common first year and can specialize in either general management, or accounting in the second year.

Students can enroll in the 4th level of the CGA (Certified General Accountants) or CMA (Certified Management Accountants) programs. In addition, courses articulate with PMAC (Purchasing Management Association of Canada), CIB (Canadian Institute of Bankers), CCUI (Canadian Credit Union Institute), CA (Chartered Accountants) and Municipal Officers Association of British Columbia.

While many courses are transferable to universities and colleges as outlined in the Transfer Guide section of this calendar, block transfer arrangements are also in place with UNBC (University of Northern B.C.), UCFV (University College of the Fraser Valley), Royal Roads University and the Open University. These arrangements allow graduates of the two year diploma to continue into the third year of a Bachelor of Commerce program.

PROGRAM LOCATIONS

The two year program is available at the Prince Rupert and Terrace campuses. Check with either of these campuses regarding specific course availability.

CO-OPERATIVE EDUCATION - *Optional*

The Co-operative Education option may be available to full time students in the Business Administration program in some College centres.

Please see the Co-operative Education description in the section "Services Available to Students" for further information.

PROGRAM SCHEDULE

Year I

Sept - Dec	Academic Semester I
Jan - Apr	Academic Semester II
May - Aug	Work Term I, <i>Co-op students</i>

Year II

Sept - Dec	Academic Semester III
Jan - Apr	Academic Semester IV, <i>non-Co-op students</i>
Jan - Apr	Work Term II, <i>Co-op students</i>
Sept - Dec	Academic Semester IV, <i>Co-op students</i>

The schedule of academic semesters and Co-op work terms are subject to change. Please check with the campus you are planning to register with for up-dated schedule information.

ADMISSION REQUIREMENTS

1. Grade 12 with English 12 and Math 11; *or*
2. English 045 *or* 050, and Math 040, 041 *or* 045.
3. Students having business experience and equivalent skills may be admitted without the formal requirements.

Note:

Students planning to either transfer to university or enter into professional accounting programs should have Math 12. All Bachelor of Commerce programs in B.C. have a Calculus requirement.

"Prior Learning Assessment" has been established for some courses in Business Administration. Please see the Program Coordinator for information.

HOW TO APPLY

Applications are available from any of our College centres. Prospective students are encouraged to apply as early in the Spring as possible.

PROGRAM STARTING DATES

Starts the day following Labour Day in September.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

TRANSFER CREDIT TO OTHER INSTITUTIONS AND PROFESSIONAL ORGANIZATIONS

A listing of established equivalencies can be found in the "Transfer Credit to Other Institutions and Organizations" of this calendar.

Please note that transfer credit may change as institutions adjust their offerings. Therefore, students are encouraged to obtain written confirmation of current transfer credit from the institution or organization to which they plan to transfer.

DIPLOMA IN BUSINESS ADMINISTRATION

First year includes the following courses:

ACCT 150-3	Fundamentals of Financial Accounting I
ACCT 151-3	Fundamentals of Financial Accounting II
BADM 170-6	Co-op Work Term I (<i>Optional</i>)
BCPT 150-3	Business Computers
BCPT 154-2	Computerized Accounting Systems
BENG 150-3	Business Communications
BLAW 152-4	Canadian Business Law
COOP 100-2	Coop Work Orientation (<i>Optional</i>)
ECON 150-3	Micro Economics

ECON 151-3	Macro Economics
MARK 150-3	Introduction to Marketing
MATH 150-3	Mathematics of Finance
MATH 151-3	Statistics
MGMT 150-3	Introduction to Management

Second year includes the following common courses:

ACCT 252-3	Cost Accounting I
ACCT 253-3	Cost Accounting II
BADM 270-6	Coop Work Term II (<i>Optional</i>)
BFIN 250-3	Business Finance I
BFIN 251-3	Business Finance II
BSIM 250-3	Business Management Simulation
MGMT 251-3	Organizational Behaviour

Students will choose six electives from the following courses: (Note: not all courses will be available at all campuses.)

ACCT 250-3	Inter Financial Accounting I
ACCT 251-3	Inter Financial Accounting II
ACCT 254-3	Auditing
BCPT 250-3	Accounting Information Systems
BPOL 250-3	Business Policy
MARK 251-3	Advertising
MARK 252-3	Tourism Marketing
MARK 253-3	Effective Selling
MGMT 252-3	Credit and Collections
MGMT 201-3	How to Start a Business
MGMT 253-3	Labour Relations
MGMT 255-3	Human Resource Management
MGMT 260-3	Applied Management Studies
TAXN 250-3	Income Tax

The following Diploma Level elective courses will be offered:

Terrace Campus	Prince Rupert Campus
ACCT 250	BPOL 250
ACCT 251	INTB 200
ACCT 254	INTB 201
BCPT 250	MARK 251
MGMT 252	MARK 253
TAXN 250	MGMT 201
	MGMT 252
	MGMT 255

Other courses may be offered in Prince Rupert and Terrace on a cost recovery basis if demand warrants.

Several courses are common to Business Administration and University Credit programs. Please check with the Business Administration department regarding credit arrangements.

COURSE DESCRIPTIONS

Accounting 150-3.0:

Fundamentals of Financial Accounting I

Concerned with basic methodology and logic; recording transactions and maintaining books of account for service and merchandising concerns; preparation and interpretation of financial statements; recording; reconciling and valuing of cash, accounts receivable, inventory, plant and equipment.

Accounting 151-3.0:

Fundamentals of Financial Accounting II

Concerned with interpretation of income measurement and valuation problems with regard to sources and uses of invested capital. Preparation of financial statements for the various types of business operations, and introduction to financial reporting analysis and interpretation for management purposes. Preparation of payroll records. Prerequisite: ACCT 150.

Accounting 250-3.0: Intermediate Financial Accounting

Emphasis is on theory, concepts and analysis of problems that arise in the application of financial accounting. The majority of the course will analyze current monetary assets, inventories and current liabilities. Prerequisite: ACCT 151 and Math 150 or permission of instructor.

Accounting 251-3.0:

Intermediate Financial Accounting II

The analysis of valuation and cost allocation issues with regard to long-term investments, plant and equipment acquisition and retirement, intangible assets, and the reporting of long-term liabilities are included. Study of the Shareholder Equity section - types of shares, dividends, stock rights, warrants, preparation of Statement of Sources and Uses of Funds and an analysis and interpretation of accounting reports will be studied. Accounting for income taxes, pensions and leases will be considered. Prerequisite: ACCT 250.

Accounting 252-3.0: Cost Accounting I

Cost accounting as applicable to manufacturing and non-manufacturing sectors is discussed. Specific areas of study include: job order costing and analysis, costing procedures, cost-volume-profit analysis, budget preparation, standard cost systems, variance analysis, and cost analysis for managerial decision making. Prerequisite: ACCT 151 and Math 150 or by permission of instructor.

Accounting 253-3.0: Cost Accounting II

This course investigates a number of significant topics in cost

accounting, including transfer pricing, divisional performance evaluation, accounting for joint products and by-products, inventory accounting for spoilage and scrap, process and variable costing, and how to apply Cost Accounting techniques in the not-for-profit sector of business. Prerequisite: ACCT 252.

Accounting 254-3.0: Auditing

Basic internal auditing procedures plus internal control features are covered. Audit program, statutory audits, the audit routine is applied to cash, inventory, accounts receivable, sales, fixed and other assets, accounts payable, purchases, income and other taxes and expenses, specialized audit procedures. Prerequisite: ACCT 151.

BADM 170-6.0 Coop Work Term I

BADM 270-6.0: Coop Work Term II

Business Computing 150-3.0: Business Computers

Provides a practical hands-on introduction to the operation and common business applications of the microcomputer. Computer capabilities and limitations, terminology, an overview of computer hardware and software are discussed. Specific business application software: windows-based operating system, word-processing, databases, with an emphasis on spreadsheet applications.

**Business Computing 154-2.0:
Computerized Accounting Systems**

A hands-on application course which introduces business students to computerized accounting and advanced spreadsheet software applications. Prerequisite: BCPT 150, and OTEC 120/125 or ACCT. 150.

**Business Computing 250-3.0:
Accounting Information Systems**

This course highlights the characteristics and design of successful information systems and the impact of these systems on the organizations. The role of information systems in decision making and systems modelling is emphasized. Prerequisite: BCPT 150.

Business English 150-3.0: Business Communications

The student will develop expertise in the communication skills, both written and oral, and an awareness of the protocol used in business.

Business Finance 250-3.0: Business Finance I

An introduction to the functions of the financial manager within a corporate setting. Topics include: the Canadian financial environment, forms of business organizations and taxation, suppliers and users of capital, capital markets, financial forecasting and planning, financial statement analysis, time value of money, valuation of financial instruments, working capital management, short-term financing, relationship between risk and return. Prerequisite: ACCT 151, MATH 150 and MATH 151.

Business Finance 251-3.0: Business Finance II

An in-depth study of the corporate financial function. Decisions within varying conditions of certainty and uncertainty, capital budgeting and forecasting, long-term financing and corporate securities, issuance of securities, weighted average cost of capital, dividend policy, lease financing compared to long-term borrowing. Prerequisite: BFIN 250.

Business Law 152-4.0: Canadian Business Law

An introduction to the general principles of law relating to contract and tort. Specific contracts to be considered include agency, assignment, bailment, employment, negotiable instruments, and sale of goods. Some aspects of the law relating to real property, different forms of business organizations, personal and intellectual property and insurance are also discussed.

**Business Management Simulation 250-3.0:
Business Management Simulation**

This course is intended to provide students with an opportunity to manage a business. Students will work in teams to operate a large industrial company through 4 or 5 simulated years of its business life. Decisions made by the management team will have both immediate and deferred consequences. Your company will be competing against others in your class to simulate a challenging and competitive business environment. Prerequisite: Completion of Year-1, 18 2nd year credits.

Business Policy 250-3.0: Business Policy

The primary objective of this course is to illustrate to the student that success in business is a function of addressing a range of business issues. Through the use of the case approach, and with the development of a strategic management process, students will become skilled at planning for the future, evaluating the effectiveness of the business, developing a strategic action plan, and implementing plans. This course is to be considered the capstone course of the 2-year General Management Option in the Business Administration Diploma

program. Prerequisite: Completion of Year-1, plus 18-2nd year credits.

COOP 100-2.0: Coop Work Orientation

This course, in a workshop format, involves students in role plays, seminars and practical assignments that prepare them to obtain suitable employment. The course provides students with advice on interpersonal skills that will contribute to effectiveness on the job.

Economics 150-3.0: Microeconomics

A career oriented course using a practical approach to the study of the principles of microeconomics. Topics covered will include supply and demand, resource allocation and economic issues.

Economics 151-3.0: Macroeconomics

The course emphasizing the practical approach to the study of aggregate concepts in economics. Topics include national income, money and banking, fiscal policy, monetary policy, inflation, employment, international trade and public policy. Prerequisite: ECON: 150 or permission of instructor.

International Business 200-3.0:

This course is designed to provide students with a mixture of theoretical and practical knowledge relating to international business and trade. The practical aspects focus on Pacific Rim and European countries. The course will explore international trade theory, international finance, survey of Pacific Rim and European economics and political structures.

International Marketing 201-3.0:

This course will focus on practical methods of international market development which entails methods of searching out and securing market opportunities and sources of supply. Methods of market development will progress from techniques securing an agent through branch-plant development. There will be a heavy emphasis on market research techniques and recognition of cultural differences. Students will be introduced to transportation methods and costing, the fundamentals of trade related financial tools and services and the roles of governments to encourage/guide trade. Focus will be on Pacific Rim countries. Both import and export techniques will be covered.

Management 150-3.0: Introduction to Management

This course is an introduction to contemporary management functions. Management theories and their practical applications are examined.

Management 201-3.0: How to Start a Small Business

Provides an appreciation of the requirements for success in an entrepreneurial career and an understanding of dynamics of start-up and venture development. The development of a business plan and case analysis of operational situations form the core of this course. Prerequisite: ACCT 150, MARK 150 or permission of instructor.

Management 251-3.0: Organizational Behaviour

An examination of the behaviour of people in organizations and small groups. The focus of our attention will be: communications, motivation, leadership, group processes, structure, organization change, conflict, power and authority. Prerequisite: MGMT 150 or permission of instructor.

Management 252-3.0: Credit and Collections

A study of the fundamental functions of a consumer credit department. Attention is given to the legal environment, credit instruments and collateral, credit investigations, collections and the management function.

Management 253-3.0: Labour Relations

This course studies the history and present system of trade unionism, collective bargaining, contract interpretation and labour relations law. This course is intended to be practical so the latter half of the course is dedicated to cases and a major contract negotiation simulation. Prerequisite: MGMT 150 or permission of instructor.

Management 255-3.0: Human Resource Management

The intent of this course is to provide an overview of human resource management in an organizational setting. Specific areas to be addressed include: human behaviour in organizations, personnel planning, job analysis and evaluation, staff recruitment and development, performance evaluation, compensation administration and fringe benefits. Prerequisite: MGMT 150 or permission of instructor.

Management 260-3.0: Applied Management Studies

An integrative course allowing participants to apply business principles and skills to a practical business situation. The course will integrate the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting and management philosophies through a comprehensive project. Prerequisite: 12 second year credits.

Marketing 150-3.0: Introduction to Marketing

An introduction to marketing principles and management focusing on the problems of the marketing manager in the measurement of marketing opportunities and the allocation of marketing effort. Emphasis is on decision-making in a marketing context.

Marketing 251-3.0: Advertising

The student will gain an understanding of how advertising fits into the marketing milieu: advertising philosophy and purpose, organization of the advertising function; advertising agencies; creative processes; copy, layout media - newspapers, radio, TV, magazine, direct mail, outdoor, public relations; overall strategies and campaigns. Prerequisite: MARK 150.

Marketing 252-3.0: Tourism Marketing

Participants will learn about tourist expectations and the impact of marketing the tourism product. They will gain an appreciation of the concept of pricing and the costs, revenues and profits that are considered when pricing tourism products. They will understand guest service as the key element of success in the tourism enterprise, and the importance of their own role in creating and promoting the service attitude in their daily work with staff and guests. Participants working in non-public-contact roles will appreciate the importance of their support in meeting the operation's service objectives. Prerequisite: MARK 150 or permission of instructor.

Marketing 253-3.0: Effective Selling

This course focuses on the theoretical and practical techniques associated with the selling of goods and services to consumer and industrial markets. Course emphasis will be on applying learned presentation skills and persuasive communication strategies in the person selling process. Prerequisite: MARK 150.

Mathematics 150-3.0: Mathematics of Finance

The course will provide the student with skills necessary to solve common, practical business problems that employ the mathematics of finance. Topics covered include simple interest, installment plan financing, amortization, general annuities, and bonds. Emphasis on practical problem-solving in business rather than theoretical derivations.

Mathematics 151-3.0: Statistics

A basic statistics course for students who have no prior knowledge of the field. The emphasis of the course is on business applications of statistical methods; but students in other disciplines will find it relevant and useful. Topics include how to describe data, making decisions under uncertainty, analysis of statistical data and making predictions based on statistical data. Prerequisite: MATH 150 or permission of instructor.

Taxation 250-3.0: Income Tax

An introductory course in Canadian income tax covering: the computation of income from employment, from business and from property, including capital gains and losses, as well as capital cost allowances; computation of taxable income for individuals, partnerships and corporations. Prerequisite: ACCT 150.

CAREER AND COLLEGE PREP

- formerly Adult Basic Education
(Available at most Campuses)

The Career and College Prep (CCP) program helps adults get ready for college, career, vocational, and university courses and for employment. CCP courses are similar to those in the public school system, but they have been designed for adults.

Students may be able to attend CCP in the day-time or evening and either full-time or part-time. On some campuses, students may start the CCP program at any time during the year, space permitting. On other campuses, courses may be scheduled on a semester basis. Courses may be self-paced or taught by an instructor. Contact your local College campus for details.

ADMISSION REQUIREMENTS

For entry into CCP students must:

1. be at least 18 years of age, *or*
2. have already earned grade 12 standing, *or*
3. be 17 years of age and out of public school for at least one year, *or*
4. have a written recommendation from a local high school principal; *and*
- 5.* meet with an NWCC Educational Advisor to ensure that they have chosen the correct courses or programs.

This program is intended for adults and is not a substitute for high school for younger students.

The number of spaces available to students under 18 is limited - please contact your local College campus for details.

HOW TO APPLY

Pick up an application from your local College campus and make an appointment with the Educational Advisor. Applications may be submitted at any time. There are often wait lists to enter the programs, so please apply as early as possible.

DATES AND LOCATION

CCP runs from September to June at most campuses and also during the summer in Terrace and Kitimat.

FEES

Students taking any Fundamental Level course (English 020 or Math 020) are not charged tuition fees, but must pay the Student Association, registration and computer lab fees. Please see the General Information section of this calendar for other fees.

FINANCIAL AID AND SPONSORSHIP

There is financial assistance available for CCP students who qualify. The Adult Basic Education Student Assistance Plan (ABESAP) provides funds for tuition. Sponsorship from government agencies and native bands may also be available.

PROGRAM OUTLINE

The CCP program has four levels. Students earn a NWCC certificate for completing each of the first three levels and a Provincial Diploma for completing the fourth. The courses and requirements for a certificate or diploma are listed below:

Some courses may not be available at all Campuses.

CCP Fundamental Level

CPST 020: Computer Studies

ENGL 020: English

MATH 020: Math

SOSC 020: Social Studies

- Certificate requires completion of both English 020 and Math 020, or completion of English 020 or Math 020 and placement at a higher level in the other course.

CCP Intermediate Level

EDCP 030: Education/Career Planning

ENGL 030: English

MATH 030: Math

MATH 031: Business Math

MATH 032: Trades Math

MATH 091: Math for Cook Training (*not for certificate*)

SCIE 030: Science

SOSC 030: Social Sciences

- Certificate requires completion of English and Math, plus two of the following courses at the 030 level: Science; Social Science; Education and Career Planning.

CCP Advanced Level

BIOL 040: Biology

CHEM 040: Chemistry

CPST 040: Computer Studies

ENGL 040: English

ENGL 045: English for Careers

- MATH 040: Math (Algebra)
- MATH 041: Business Math
- MATH 045: Developmental Math
- PHYS 040: Physics
- SOSC 040: Social Sciences

- Certificate requires completion of English, Math, a Science and one option at the 040 level.

ABE Provincial Level

- BIOL 050: Human Biology
- CHEM 050: Chemistry
- ENGL 050: English
- GEOG 050: Geography
- HIST 050: History
- MATH 050: Math
- PHYS 050: Physics

- Diploma requires completion of English 050, plus three options at the 050 level and a Math course at the Advanced Level.

Students should speak with their instructor or an Educational Advisor for help in choosing the right courses. Many students will not need to complete all of the courses required for a CCP Certificate or the ABE Provincial Diploma in order to achieve their career and educational goals.

We are in the process of splitting some of our courses into several smaller parts. This will give students more flexibility and may reduce the amount of time a student spends in CCP. Details have not been finalized, but some of these shorter courses may be available in September 1998. Call any of our campuses for full details.

College Preparatory

The college offers a variety of college preparatory courses designed to develop the skills necessary to succeed in college and university level programs. These courses include:

EDCP 030	BIOL 040	BIOL 050
ENGL 030	CPST 040	CHEM 050
MATH 030	CHEM 040	ENGL 050
MATH 031	ENGL 040	GEOG 050
MATH 032	ENGL 045	HIST 050
MATH 091	MATH 040	MATH 050
	MATH 041	PHYS 050
	MATH 045	
	PHYS 040	
	SOSC 040	

GED Test Preparation

Assessment and instruction is available at many college centres to students who want help to prepare for the GED Grade 12 equivalency exams. Contact your local college centre for more information.

Please see the "Other Opportunities" section of this calendar for details about writing the GED exam.

COURSE DESCRIPTIONS

Note: Courses that are equivalent to CCP courses will also be accepted as prerequisites.

FUNDAMENTAL LEVEL

Computer Studies 020: Fundamental Computer Studies

This course provides students with a basic knowledge of computers and computer terminology. Students have the opportunity to gain practical word processing skills. Topics include keyboarding, basic word processing, computer and disk care, basic graphics and tables, and an introduction to the internet. Corequisite: English 020 or placement above the 020 level in English.

English 020: Fundamental English

This course focuses on basic reading and writing skills. Topics include reading comprehension, word analysis, dictionary use, vocabulary, spelling, punctuation, sentence structure, library skills, study skills, computer keyboarding and word processing. Students will use the writing process to write paragraphs, summaries, letters and messages. Prerequisites: Placement at the Fundamental Level.

Math 020: Fundamental Mathematics

This course provides students with an understanding of the basic arithmetic skills. Topics include estimating, problem solving, whole numbers, fractions, decimals, percents, and the metric system. Prerequisites: Placement at the Fundamental Level.

Social Studies 020: Fundamental Social Studies

This course provides students with an increased understanding of people interacting in their environment. The course focuses on selected BC cities to introduce provincial themes and issues. Students will develop critical thinking skills, research skills, oral and written communication skills as well as gaining a broader understanding of issues affecting BC communities. Corequisite: English 020 or placement above the 020 level in English.

INTERMEDIATE LEVEL

Career Planning 030: Education and Career Planning

Students will develop skills in career exploration, job preparation (writing resumes and job interviews), communications skills, time management, study skills, interpersonal skills, problem solving and goal-setting. Upon completion of the course, students will have developed their own realistic career and education plan. Prerequisite: English 020 or placement in English 030 or higher.

English 030: Intermediate English

The course focuses on developing reading and writing skills in preparation for careers and further education. Students will use the writing process to write paragraphs and simple essays. The reading portion of the course covers central themes, major details, inferences, critical reading and vocabulary skills using a variety of reading materials. Other topics include library skills, study skills, introduction to the microcomputer, word processing, oral communication, group discussions and cooperative learning skills. Prerequisites: English 020 or placement at the Intermediate Level.

Math 030: Intermediate Mathematics

The goal of this course is to enable students to acquire mathematical knowledge, skills, and strategies needed to enter higher level courses or to satisfy personal or career goals. Practical applications of skills are stressed. Topics include measurement, integers, ratio and proportion, percents, geometry, statistics, graphing, introduction to algebra, solving equations, applied algebra, co-ordinates and graphing, and trigonometry. Prerequisites: Math 020 or placement at the Intermediate Level.

Math 031: Intermediate Business Math

The goal of this course is to enable students to acquire mathematical knowledge, skills, and strategies needed to enter Office Administration Certificate programs or to satisfy personal goals. Topics include measurement, integers, ratio and proportion, percents, geometry, statistics, graphing, introduction to algebra, solving equations, fundamental business calculations, business applications and the mathematics of investment. Prerequisites: Math 020 or placement at the Intermediate Level.

Math 032: Intermediate Trades Math

The goal of this course is to enable students to acquire mathematical knowledge, skills, and strategies needed to enter trades programs or to satisfy career or personal goals. Topics include measurement, ratio and proportion, percents, geom-

etry, signed numbers, basic algebra, solving equations, charts, tables and graphs, statistics, problem solving and additional material pertaining to specific jobs. Prerequisites: Math 020 or placement at the Intermediate Level.

Math 091: Mathematics for Cook Training

This course will provide students with an understanding of arithmetic operations to meet the level of skills and knowledge needed to enter cook training. The course stresses the problem solving skills and applications required in the food service industry. Topics include a review of basic math fundamentals, measurement, portion control, yielding recipes, baking formulas, using a metric conversion calculator, computer applications in food service operations, recipe and food costing, menu pricing, inventory procedures and financial statements. Prerequisites: Math 020 or placement at the Intermediate level in mathematics.

Science 030: Intermediate Science

This is an entry level science course intended to give students an overview of the main topics in biology, chemistry, physics and earth sciences and to prepare them for further study in the physical sciences. Students will choose from the following topics: science and discovery, human biology, nutrition, the cell, disease, individual disabilities, drugs, introductory chemistry, reactions and equations, pesticides and fertilizers, textiles, simple machines, energy, electricity, introduction to microcomputers, and weather. This course includes a laboratory component. Prerequisites: Math 020 and English 030, or permission of instructor. Corequisite: Math 030, 031 or 032.

Social Sciences 030: Intermediate Social Sciences

The objective of this course is to provide students with a greater understanding of social and political issues on a local, national and international level. Course topics include economics and people, multiculturalism, Canadian law and Canadian government. Prerequisites: English 020 or placement in Intermediate Level English.

ADVANCED LEVEL

Biology 040: Advanced Ecological Biology

This course provides a general introduction to the field of biology. Topics include the methods of science, evolution, classification, the cell, an overview of the major phyla, and ecology. This course includes a laboratory component. Prerequisites: Science 030 and English 030 or permission of instructor.

Chemistry 040: Advanced Chemistry

This is an introductory chemistry course. Major topics include lab safety, measurement and matter, atomic theory, chemical names, compounds, mole concept, chemical reactions and calculations, the periodic table, bonding, gases, solutions, and organic chemistry. This course includes a laboratory component. Prerequisites: Math 030 or equivalent or successful completion of a Math Pre-test. Students without a recent background in Chemistry will be required to complete the Science 030 Chemistry units. Prerequisites: Math 030 and Science 030 and English 030, or permission of instructor.

Computer Studies 040: Advanced Computer Studies

This course provides an introduction to computers. Topics include touch typing, microcomputer care, computer applications using Microsoft Works (word processing, data base management, spreadsheets, graphing, and computer communications), and computer operations. This course includes a laboratory component. Prerequisites: English 030 or permission of instructor.

English 040: Advanced English

Students will develop reading and writing skills to prepare for further university and career courses. The course will focus on essay and report writing using various types of development including cause and effect, process, definition, description, comparison and contrast, narration and research. Reading comprehension, critical analysis of short stories, oral communication skills and oral presentations are also covered. Prerequisites: English 030 or placement at the Advanced Level.

English 045: Advanced English for Careers

This course is designed to prepare students for entry into vocational, career, and technical programs, or for entry directly into the work force. Students will use the writing process to write paragraphs, letters, memos, short reports, and a long formal report. Core skills in critical reading, comprehension, grammar, vocabulary, and oral communication will be developed. Written assignments will be produced using a word processor. Students will participate in the critical analysis of technical reading selections, media articles and oral presentations. Interpersonal and group process skills will also be taught. Pre-requisites: English 030 or placement at the Advanced Level.

Math 040: Advanced Algebra

This course is intended to prepare students to enter Provincial Level Mathematics and to provide students sufficient mathematical knowledge to satisfy grade 11 prerequisites for

vocational, career and technical programs. Topics include: solving and graphing equations and inequalities, systems of equations in two variables, polynomials, rational and radical expressions and equations, quadratic equations, relations and functions and trigonometry. Prerequisites: Math 030 or Math 032 or Math 045 or placement at the Advanced Level.

Math 041: Advanced Business Math

This course is for students who require an advanced level (grade 11) business mathematics course. Topics include a review of basic operations, percentages, equations, exponents, simple interest, simple discount, compound interest, periodic payments, investments, insurance and statistics. Prerequisites: Math 030 or Math 031 or placement at the Advanced Level.

Math 045: Advanced Developmental Mathematics

This course could be used to prepare students for Math 040 or for other college programs requiring an advanced level math. Topics include rational numbers, radicals, polynomials, equations, analytical geometry, linear systems of equations, factoring, rational expressions and trigonometry. Prerequisites: Math 030 or Math 031 or Math 032 or placement at the Advanced Level.

Physics 040: Advanced Physics

The objective of this course is to introduce the student to the study of physics. Course topics include kinematics, dynamics, momentum, energy, and electricity. This course includes a laboratory component. Prerequisites: Math 030 and Science 030 and English 030 or permission of instructor. Corequisite: Math 040 or 045.

Social Sciences 040: Advanced Social Sciences

Social Science 040, Canada and the Contemporary World, is the equivalent of the Grade 11 Social Studies and is an elective course for a Provincial diploma. In this course students will examine some of the major global issues of our time including population pressures, food shortages, rapid urbanization, environmental damage, and technological change. Pre-requisite: English 030 or placement at the Advanced English Level.

PROVINCIAL LEVEL**Biology 050: Provincial Human Biology**

This is a human biology course intended for students who require a Provincial Level (Grade 12) standing in Biology. The course includes a systematic study of human anatomy and physiology plus a section on cell structure, function, and

metabolic processes. This course includes a laboratory component. Prerequisite: Prerequisites: Science 030 and English 030, or permission of instructor.

Chemistry 050: Provincial Chemistry

This course is intended for students who require a Provincial Level (grade 12) standing in Chemistry. Topics include reaction kinetics, equilibrium, solubility of ionic substances, acids and bases, and oxidation-reduction equations. This course includes a laboratory component. Prerequisites: Chemistry 040 or permission of instructor. Corequisite: Math 040 or 045.

English 050: Provincial English

This course is intended for students who require a provincial level (grade 12) standing in English. There are two main sections to this course: An Introduction to Canadian Literature and Research Paper Writing. Through a study of Canadian literature, students will learn the major characteristics of short stories, novels, poems and plays and will examine and critically discuss fiction selections. Students will also complete two in-depth research papers. Prerequisites: English 040 or 045 or placement at the Provincial Level.

Geography 050: Provincial Geography

This course involves an overview of both human geography and physical geography. Topics include population, natural resources, geophysical hazards, weathering and erosion, rocks, and weather. Prerequisites: English 030 or placement at the Advanced English Level.

History 050: Provincial History

This course presents a survey of twentieth century world history. The six units of the course focus on World War I, the peace settlement and the peacetime world of the twenties, the Great Depression and other thirties events, World War II, the era of the Cold War, and the Third World. Pre-requisites: English 040 or 045 or placement at the Provincial Level of English.

Math 050: Provincial Math

This course is intended for students who require a Provincial Level (Grade 12) standing in Mathematics. Topics include linear, polynomial, and rational functions, exponential and logarithmic functions, trigonometric functions, triangles and applications, systems of equations in three variables, conic sections, and sequences and series. Prerequisites: Math 040 or placement at the Provincial Level.

Physics 050: Provincial Physics

This course provides students with an understanding of scientific principles and concepts, problem solving skills and laboratory practices necessary at the grade 12 level. Topics include one and two dimensional kinematics, vectors, dynamics, circular motion, wave motion, work, power and energy, linear momentum, rotational motion, magnetism and electricity. Options may include heat, light, AC circuits or modern physics. This course includes a laboratory component. Prerequisites: Physics 040 and Math 040 and English 030 or permission of instructor.

CARPENTRY

(Terrace Campus)
8 - 9 months to complete

NWCC
ENTRY LEVEL TRADES CERTIFICATE
in
CARPENTRY

(Could be granted 1 year on an apprenticeship!)



THREE YEARS OF APPRENTICESHIP

Includes....

ANNUAL TECHNICAL TRAINING PERIODS
AT A TRADES TRAINING FACILITY
AND
ON-THE-JOB TRAINING WITH A
JOURNEYED TRADES PERSON
(Learning while earning!)



COMPLETE THE REQUIREMENTS OF YOUR
APPRENTICESHIP
and
write the
INTER-PROVINCIAL
CERTIFICATION EXAMINATION
to become
a
CERTIFIED JOURNEYED TRADES PERSON!

Graduates of this program have found employment as members of framing crews, roofing, siding or related carpentry construction businesses. Apprenticeships with unions, bands or companies are possible.

This Certificate Program is designed to:

- Be equivalent to the first year of apprenticeship technical training. (Ministry of Labour Standards)
- Prepare learners for entry level skilled employment.
- Provide a foundation for career advancement and specialization.
- Give access and advanced standing to secondary school graduates of High School Apprenticeships, Career Preparation programs, and Learners with Prior Learning and relevant experience.

ADMISSION REQUIREMENTS

1. Grade 10 or G.E.D. or CCP (ABE) Intermediate Level Math and English, *and*
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

NOTE:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Purchase of necessary learning resources (available at College Bookstore).

NOTE:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, three or four ring binders, paper (lined & unlined), scientific calculator, geometry set, gloves and 3-3 1/4" computer disks.

START DATE

Programs are offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

Introduction to Trades

Topics included in the Workshop Orientation and Handskills section of the certificate are:

- Learning Success
- Applied Math
- Safe Work Practices
- Use Hand, Measurement & Power Tools
- Use Shop Equipment
- Introduction to Computers
- Read & Interpret Drawings
- Lift Loads
- Technical Communications
- Scaffolds & Ladders
- Fasteners & Fittings
- Describe Trades Occupations
- Workplace Skills
- Oxy-acetylene Cutting, Welding & Brazing

Carpentry Specialty

- Learning Success
- Safe Work Practices
- Read & Interpret Drawings
- Construct Woodworking Joints
- Stair Construction
- Basic Cabinet Work
- Layout Buildings & Sites
- Calculate Building Costs
- Build Concrete Forms
- Framing Floors, Walls & Roofs
- Install Drywall—Steel & Wood Studs
- Finishing Internal & External Details

COASTAL ECO-ADVENTURE TOURISM

(Prince Rupert Campus)

The Coastal Eco-Adventure Tourism program is designed to address the professional standards, safety, risk management, and legal and ethical issues that impact this sector. People who are active in the industry are utilized throughout program delivery to ensure a standard of program consistent with identified industry requirements. The program is delivered in a base-camp environment where participants assume supervised responsibility of camp set-up and management and are provided the opportunity to actively apply all training concepts throughout the duration of the program. The object is to provide students with the interpersonal and practical skill sets that can be applied across the adventure tourism sector. This program incorporates available provincial and/or national certifications that exist within the industry. Some of the certifications delivered in this program include Wilderness First Aid, SuperHost and Cultural Awareness. Foodsafe, Restricted Radio Operator and Marine Emergency duties.

ADMISSION REQUIREMENTS

1. GED, or Grade 10 English and Math, or English 030 and Math 030, or equivalent on College's assessment test.
2. Possess good swimming ability, based on Bronze Medalion entry requirements.
3. Be physically fit.
4. Must be 19 years of age and possess a valid driver's license before taking the Professional Driver Training Class 4 portion of the program.
5. Submit a cover letter outlining personal goals and the appropriateness of participating in this training to meet those goals. Applicants are requested to indicate any disabilities that may affect their participation in the program.
6. Attend an interview with the Program Co-ordinator.

Students entering this program should be prepared to participate in physically rigorous field exercises in all types of terrain and weather conditions.

HOW TO APPLY

Application forms are available from any College Campus and must be submitted by October 31, 1998 along with a \$500 deposit. Upon acceptance to the program, the deposit is non-refundable.

FEES

Contact your local College Campus for fee information.

DATES & LOCATION

The program starts February and continues through to May and is offered at our Prince Rupert Campus.

PROGRAM OUTLINE

- CECO 101-3 Introduction to Tourism and Eco-Adventure Tourism
- CECO 110-4 Human Relations & Customer Service
- CECO 120-3 Environmental Stewardship
- CECO 130-4 Coastal Heritage Interpretation
- CECO 140-1 Orienteering/Navigation Fundamentals
- CECO 142-4 Sea Kayaking
- CECO 144-2 Sport Fishing
- CECO 146-1 Outboard Motors
- CECO 148-2 Trip Planning & Preparation
- CECO 150-4 Power Boat Operations
- CECO 156-2 CYA White Sail - Basic Cruising Level*
- CECO 158-3 Bronze Cross*
- CECO 162-3 Work Experience/Practicum
- FAID 110-5 Occupational First Aid Level I
- FAID 125-5 Transportation Endorsement
- FAID 135-1 Vital Link Standard First Aid
- FAID 145-2 Wilderness First Aid
- NAUT 291-0 Marine Emergency Operator
- NAUT 330-0 Restricted Radio Operator
- TOUR 160-1 Canoeing
- TOUR 162-3 Camp Set-up and Management
- TOUR 164-5 Risk Management
- TOUR 168-1 Foodsafe
- TRAN 104-2 Professional Driver Training, Class IV*

* may be included at College discretion

COMMERCIAL TRANSPORT REPAIR MECHANIC

(Terrace Campus)
6 - 7 months to complete

NWCC
ENTRY LEVEL TRADES CERTIFICATE
in
**COMMERCIAL TRANSPORT
REPAIR MECHANIC**

(Could be granted 1 year on an apprenticeship!)

↓
THREE YEARS OF APPRENTICESHIP

Includes...
**ANNUAL TECHNICAL TRAINING PERIODS
AT A TRADES TRAINING FACILITY
AND
ON-THE-JOB TRAINING WITH A
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(Learning while earning!)**

↓
**COMPLETE THE REQUIREMENTS OF YOUR
APPRENTICESHIP
and
write the
INTER-PROVINCIAL
CERTIFICATION EXAMINATION
to become
a
CERTIFIED JOURNEYED TRADES PERSON!**

Graduates of this program could find employment as Apprentices and helpers in repair shops or service stations, or in complex service departments of the Truck/Transportation industry.

NOTE:

Having both a Commercial Transport Repair Mechanic Certificate and a Heavy Duty Mechanic Certificate enhances your employability. You can complete both Certificates in one September through June term.

This Certificate Program is designed to:

- Provide entry-level training in the Commercial Transport Repair Mechanic trade.
- Prepare learners for entry level skilled employment.
- Provide a foundation for career advancement and specialization.
- Give access and advanced standing to secondary school graduates of High School Apprenticeships, Career Preparation programs, and Learners with Prior Learning and relevant experience.

ADMISSION REQUIREMENTS

1. Grade 10 *or* G.E.D. *or* CCP (ABE) Intermediate Level Math and English, *and*
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

NOTE:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Overall fees of \$2.50/week.
5. Purchase of necessary learning resources (available at College Bookstore).

NOTE:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, three or four ring binders, paper (lined & unlined), scientific calculator, geometry set, gloves and 3-3 1/4" computer disks.

START DATE

Programs are offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

Introduction to Trades

Topics included in the Workshop Orientation and Handskills section of the certificate are:

- Learning Success
- Applied Math
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- Use Hand, Measurement & Power Tools
- Use Shop Equipment
- Introduction to Computers
- Read & Interpret Drawings
- Lift Loads
- Technical Communications
- Scaffolds & Ladders
- Fasteners & Fittings
- Describe Trades Occupations
- Workplace Skills
- Oxy-acetylene Cutting, Welding & Brazing

Commercial Transport Repair Specialty

- Learning Success
- Safe Work Practices
- Operate Equipment/Vehicles
- Lift, Move, Support Vehicles
- Service Hydraulic Systems
- Service Steering Systems
- Service Frames, Suspensions & Attachments
- Service Hydraulic Brake Systems
- Service Air Brake Systems
- Service Air Controlled Systems
- Service Engine Systems
- Service Starting & Lighting Systems
- Perform Cutting, Brazing & Welding Operations

EARLY CHILDHOOD EDUCATION

(Terrace Campus)

The Early Childhood Education program is presently under review and will become part of the Integrated Human Service Program (IHS) for Fall 1999.

"Quality childcare is far more than custodial care. Children need a nurturing, safe, healthy and stimulating environment."

- Provincial Task Force on Childcare 1991

Throughout the College region there is a need for trained men & women to provide high quality child care that meets the diverse range of family needs. The Early Childhood Education program prepares students for employment in Group Day Care, Preschools, Special Needs and Family Day Care programs.

In addition to the Early Childhood Education Certificate program there are post-basic programs available on a part-time basis in Infant/Toddler Supervisor Training and Special Needs Supervisor Training.

ADMISSION REQUIREMENTS

ECE Level I Certificate Program (Basic):

1. A minimum C+ in English 12 or English 050 or 045 or satisfactory performance on the Integrated Human Service English placement test. Applicants requiring the placement test must contact the Admissions office.
2. Current immunizations and a current tuberculin screening*, as certified on the College's Immunization Record and completion of the College's Medical Assessment are required for ECE 111, 112, 117, 118, 125, 126 and 127 to meet licensure requirements outlined in the Community Care Facility Act.
**Note: Tuberculin screening is currently under review by the Medical Health Authorities.*
3. Students enrolling in ECE 111, 112, 117, 118, 125, 126, 127 must have a Criminal Record Search completed and available for presentation to the Program Co-ordinator. Criminal Record Search forms are available from the Admissions Office. Students will need to have an additional Criminal Record Search completed for each practicum site.

Students should be aware that the presence of certain crimes on their record would make practicum placement, graduation, and subsequent employment impossible.

4. Two reference forms: one from a knowledgeable community member attesting to their suitability to work with young children; and one from the Supervisor of 45 hours of work or volunteer experience in the child care/education field (preschool, recreation programs, kindergarten, group day care, family day care, and Sunday School). The 45 hours of work/volunteer experience can be waived with the written permission of the Co-ordinator if the applicant can demonstrate using undocumented life experiences that they have a broad understanding of the needs of young children.
5. Prior to the interview, students will be required to submit a work/volunteer resume and a written statement (300-500 words) describing career goals, special interests, and reasons for seeking entrance into the ECE program.

Students will be required to supply their own transportation to and from practicum placements. Due to the shortage of suitable practicum sites in Terrace, students may be required to undertake fieldwork in various communities across our Northwest region. Students are responsible for practicum costs and should budget accordingly.

Upon completion of the Basic Program, students are required to complete 500 hours of work experience under a licensed supervisor before obtaining their Provincial License to Practice.

Post-Basic Programs (Distance Education)

1. Completion of ECE Level I Certificate Program (Basic).
2. Current immunizations and a current tuberculin screening as certified in the College's Immunization Record and completion of the College's Medical Assessment are required for ECE 227, 228, 251 and 252.
3. Students enrolling in ECE 227, 228, 251, and 252 must have a Criminal Record Search completed and available for presentation to the Program Co-ordinator. Criminal Record Search forms are available from the Admissions office. Students will need to have an additional Criminal Record Search completed for each practicum site.

Students should be aware that the presence of certain crimes on their record would make practicum placement, graduation, and subsequent employment impossible.

Note:

Prospective students who have maintained a C+ average (GPA 2.5), have completed 80% of first level courses and have one year documented field experience may have their credentials assessed by the Program Co-ordinator and could be admitted to the post-basic program without meeting the formal academic requirements. Please contact an Educational Advisor for further information.

HOW TO APPLY

ECE Level I Certificate (Basic), including Distance Education, and Post-Basic Programs

Applications are available from any College campus and should be submitted as early in the Spring as possible.

Students with previous related training or course credits from other post-secondary institutions may receive advance standing or transfer credit to some ECE courses. Requests should be submitted to the Registrar well in advance of program start.

DATES AND LOCATION

The full-time program starts the day after Labour Day and continues through May of the following year and is offered at our Terrace campus. All students are required to attend a program orientation on the first day of class in September.

Part-time Basic and Post-Basic courses are offered throughout the region by teleconferencing. For further information on the yearly course offerings contact your local College campus or the Terrace based ECE Co-ordinator.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROBATION

In addition to maintaining a C+ average (GPA 2.5), students are expected to develop a level of interpersonal and communication skills necessary for successful performance in the Early Childhood field. Admission to the practicum requires the approval of the practicum instructor.

A student who fails to develop the necessary level of skills required for successful completion of the practicum or course work may, in consultation with the Program Coordina-

tor and the instructors, be required to go on probation. In this case the student would be expected to meet the necessary standards within a set time period (as determined by the Program Coordinator, and instructors) or be required to withdraw from the program.

TRANSFER CREDIT

Some Early Childhood graduates go on to university for further education in the field. The University of Victoria awards, on an individual basis, transfer credit for ECE courses. Interested students can obtain further information from the program instructors or an Educational Advisor.

PROGRAM OUTLINE

For Fall 1998 the ECE program will continue to be offered as described below.

Fall Semester

ECE 104-3	Health, Safety & Nutrition
ECE 105-3	Families and Early Childhood Programs I
ECE 111-3	Child Environments I
ECE 113-3	The Role of the Early Childhood Educator I
ECE 115-3	Curriculum Planning I
ECE 117-3	Curriculum Activities I
ECE 124-3	Interpersonal Communication
ECE 125-3	Distance Education Practicum I
ECE 140-3	Human Development I
ECE 111/17-0	Preschool Lab

Winter Semester

ECE 106-3	Families and Early Childhood Programs II
ECE 112-3	Child Environments II
ECE 114-3	The Role of the Early Childhood Educator II
ECE 116-3	Curriculum Planning II
ECE 118-3	Curriculum Activities II
ECE 126-3	Practicum II - January
ECE 127-3	Practicum III - May
ECE 135-3	Working with Children Requiring Extra Support
ECE 141-3	Human Development II
ENG 151-3	Technical Writing I
ECE 112/18-0	Preschool Lab

Post-Basic (Level I) Part-time, Distance Education (Audio-Teleconferencing)

The courses for Distance Education (DE) are the same as for the full-time program outline with the exception of ECE 125 (Practicum I) which is equivalent to ECE 111/117 and ECE 112/118 Preschool Lab.

Students who have commenced their Distance Education program prior to 1994 should contact the ECE Co-ordinator for equivalencies.

Post-Basic (Level II) Part-time, Distance Education (Audio-Teleconferencing)

The Post-Basic programs provide students with the opportunity to acquire specialized knowledge, skills and certification in the Early Childhood field. All students are required to complete the Post-Basic Core courses and may elect to specialize in either Infant/Toddler Educator Training or Special Needs Educator Training. *These programs are only offered by teleconferencing and through Summer Institute on a part-time basis.*

After completion of a Post-Basic program students will earn a Northwest Community College Certificate in the specialty they have studied. To be registered in B.C. certificate holders must present proof of their successful completion of both the Basic and Post-Basic (Level II) Program to the Provincial Child Care Facilities Licensing Board in Victoria.

CORE PROGRAM

(Courses needed by both Specializations)

- ECE 206-3 Working with Families
- ECE 208-3 Administration Skills for ECE Professionals
- ECE 213-3 Health, Safety and Nutrition

SPECIALIZATIONS

Infant/Toddler Educator Training

- ECE 202-3 Infant/Toddler Care and Growth
- ECE 219-3 Infant/Toddler Curriculum Planning
- ECE 220-3 Programming for Infant/Toddler
- ECE 227-3 Practicum I
- ECE 228-3 Practicum II

Special Needs Supervisor Training

- ECE 203-3 Special Needs Care & Growth
- ECE 250-3 Special Education Curriculum Planning Part I
- ECE 253-3 Augmentative Communication
- ECE 251-3 Practicum I
- ECE 252-3 Practicum II
- ECE 255-3 Special Education Curriculum Planning Part II

COURSE DESCRIPTIONS

ECE Basic Courses

ECE 104-3.0: Health, Safety and Nutrition

This course provides students with an understanding of the basic principles of health, safety and nutrition for adults as well as children. The course will focus on nutrition, signs and symptoms of communicable diseases, disease prevention, signs of abuse and neglect and assessing a facility for safety.

ECE 105-3.0:

Families and Early Childhood Programs I

This course examines the patterns & structures of family life, the influences on family and diversity of family from one culture and class to another. The purpose of this course is to provide insights that will influence the student's ability to provide support for families in childcare settings.

ECE 106-3.0:

Families and Early Childhood Programs II

A practical course that supports the theories explored in ECE 105. The student will examine and practice strategies for establishing and maintaining effective partnerships with parents and families, considering cross cultural communication and childrearing practices. Prerequisite: ECE 105 or equivalent or permission of the instructor.

ECE 111-3.0: Child Environments I

This course will provide students with a practical introduction to early childhood educational environments and programs. Students will develop skills in observing and guiding children and supporting learning through play.

ECE 112-3.0: Child Environments II

This course is a continuation of ECE 111. Students will expand their skills in implementing and evaluating early childhood programs to meet individual and group needs of young children. Students will explore pedagogical practices in both child-centered and teacher-centered situations. Prerequisite: Successful completion of ECE 111 or permission of the instructor.

ECE 113-3.0:

The Role of the Early Childhood Educator I

This course introduces students to the underlying principles and practices of early childhood education. Students will examine the role of the educator in creating and maintaining nurturing environments for young children, and will examine the historical and social influences which shape the profession.

ECE 114-3.0:

The Role of the Early Childhood Educator II

This course is a continuation of ECE 113. Students will examine learning goals for young children, pedagogical theories and practices, and the role and responsibilities of the early childhood professional in contemporary society. Prerequisite: Successful completion of ECE 113 or permission of the instructor.

ECE 115-3.0: Curriculum Planning I

This course introduces the student to the concept of developmentally appropriate practice through the planning, evaluating and adapting of curriculum experiences to meet individual and group needs in childcare settings. The student will examine the theories and principles behind the curriculum subject areas: art and language arts with the opportunity to begin exploring creative expression.

ECE 116-3.0: Curriculum Planning II

This course continues to explore the concept of developmentally appropriate practice through the planning, evaluating and adapting of curriculum experiences to meet individual and group needs in childcare settings. The student will examine the theories and principles behind the curriculum subject areas: social studies, science, math, music and movement with the opportunity to further explore creative expression.

ECE 117-3.0: Curriculum Activities I

A practical course that supports the theories explored in ECE 115. The student will observe children and then plan, implement, evaluate and adapt specific curriculum experiences to meet individual and group needs in a preschool setting. The specific materials and experiences explored are in the areas of art, language, literature and drama, with the opportunity to examine and enhance personal creativity.

ECE 118-3.0: Curriculum Activities II

A practical course that supports the theories explored in ECE 116. The student will observe children and then plan, implement, evaluate and adapt specific curriculum experiences to meet individual and group needs in a preschool setting. The specific materials and experiences explored are in the areas of socials, science, math, music and movement, with the opportunity to continue developing personal creativity. Prerequisite: ECE 117 or permission of the instructor.

ECE 111/17-0.0: Preschool Lab

This lab provides students with a guided practical experience working with a group of preschool-aged children. Students will apply classroom learning by preparing the preschool

environment, planning, presenting activities and guiding children in routines. In this course students will work collaboratively with other students and develop positive relationships with children.

ECE 112/18-0.0: Preschool Lab

This lab is a continuation of ECE 111/17. Students will use guided observation and classroom learning as the basis for planning and implementing developmentally appropriate experiences for individual children in the preschool setting. Students will participate in team planning and will develop skills in guiding and supporting children's play, social behaviour and other learning. Prerequisite: Credit for ECE Lab I.

ECE 124-3.0: Interpersonal Communication

This course introduces the student to the basic processes and content of effective communication. It defines concepts such as self concept, perception, non-verbal communication and self-awareness. This course is geared toward the Human Service student but may be of interest to those with more advanced training interested in improving their basic communication skills. (3,0,0)

ECE 125-3.0: Practicum I (Distance Education only)

This course provides the ECE student with a practical introduction to working with children in a licensed group setting. During this practicum, students will develop positive relationships with children, prepare simple materials, assist children in routines and learning experiences, and function competently in the role of "aide".

ECE 126-3.0: Practicum II

This course provides the ECE student with practical opportunities to develop skills in planning and presenting learning experiences in all curriculum areas and in guiding individual children and groups of children. Students will participate in supporting centre policies and interacting with parents. Students are required to demonstrate competency in implementation of developmentally appropriate curriculum and positive child guidance consistent with the role of 'assistant'. Prerequisite: Credit for Practicum I (ECE 111/117 and ECE 112/118 or ECE 125 (DE)).

ECE 127-3.0: Practicum III

The third practicum affords each ECE student an opportunity to participate as a responsible staff member in a licensed facility for young children. During a portion of the practicum, students will take on the role of "supervisor", responsible for curriculum and program planning. During this practicum

students will demonstrate acquisition of professional skills and knowledge. Prerequisite: Credit for Practicum II.

ECE 135-3.0: Working with Children Requiring Extra Support

This course explores both the personal and societal values and attitudes towards persons with special needs. The basic understanding of the Principle of Normalization and its contribution to changes in the special needs field will be examined. There is an emphasis on developing the necessary skills and attitudes to include children who require extra support in early childhood settings. Prerequisite: Enrollment in ECE program or permission of Co-ordinator.

ECE 140-3.0: Human Development I

This course provides students with an introduction to the theories, methods, concepts and research findings relevant to normal human development through the life span. The importance of individual differences, the effects of heredity and environment and the ethical issues involved in research and program are discussed. Application of child care situations are explored in lectures in reference to children and their families. Students will be required to read from text and other references.

ECE 141-3.0: Human Development II

This course is a continuation of ECE 140 and examines development in all spheres from the school years to adolescence through adulthood. Prerequisite: ECE 140 or equivalent.

ECE POST BASIC COURSES

English 151-3.0: Technical Writing I

See the University Credit section for course description.

ECE 202-3.0: Infant, Toddler Care and Growth

A foundation course that examines major theories and influences on prenatal, perinatal, infant, and toddler development. The focus is on typical growth and development, emphasizing the effects of parenting styles, caregiving, and the environment on development. Prerequisite: ECE Basic Level.

ECE 203-3.0: Special Needs Care & Growth

This course provides a theoretical framework for working with special needs individuals. Through a historical perspective, the philosophy behind controversial issues and the resulting impact on legislation and models of care is explored. The course also presents information on techniques to evaluate

development of individuals, and discusses the impact of atypical development on the person, families, and community. Prerequisite: ECE Basic Level.

ECE 206-3.0: Working with Families

This course presents fundamental principles and practices of effective communication for caregivers working with families of under 3's and children with special needs. It explores perspectives of both caregivers and parents on caring for children, with an emphasis on the diversity of families, and the role of caregiver in facilitating a better understanding between home and school care. Prerequisite: ECE Basic Level.

ECE 208-3.0: Administration Skills for ECE Professionals

This Post-Basic ECE Core course is concerned with the study of policies and procedures necessary for the operation of high quality ECE facilities. The course includes provincial government policies, facility management, staff relations, evaluation procedures and planning change. Prerequisite: ECE Basic Level.

ECE 213-3.0: Health, Safety and Nutrition

This practical course focuses on methods of providing safe, healthy environments for groups of infants/toddlers and children with special needs, consistent with provincial regulations. The emphasis is on physical care, outlining procedures used for providing for daily living needs, as well as specialized practices (eg. use of equipment, administration of medication), for infant and toddlers and school-aged special needs individuals. Prerequisite: ECE Basic Level.

ECE 219-3.0: Infant, Toddler Curriculum Planning

The purpose of this course is to design developmentally appropriate program activities, through the practical application of developmental theories. It provides hands-on experiences with materials and activities suitable for infant and toddlers. The course provides opportunity for development of comprehensive program resources. Prerequisite: ECE Basic Level.

ECE 220-3.0: Programming for Infant/Toddlers

This course provides the theoretical foundations for planning infant and toddler programs, by close examination of the relationship between early child development, the various components of quality programming, and the caregiver. Prerequisite: ECE Basic Level.

ECE 227-3.0: Practicum I

This course will provide the student with opportunities to

observe and have practical experience with infants and toddlers in a childcare setting. Prerequisite: ECE Basic Level and minimum one Post Basic course. (*Recommend ECE 219 and ECE 220 and permission of Practicum Supervisor prior to commencement.*)

ECE 228-3.0: Practicum II

This course continues to build on the skills developed in ECE 227 through practical experiences in another infant and toddler practicum site. The student will take on a supervisory role, responsible for programming, guiding, administration and family involvement. Prerequisite: ECE Basic Level, successful completion of ECE 227, and permission of Practicum Supervisor.

ECE 250-3.0:

Special Education Curriculum Planning I

This course presents methodologies for organizing, executing and evaluating programs for special needs children and adolescents. Information on preparing General Service Plans and Individualized Program Plans and overview of techniques for implementing programs will be outlined. Prerequisite: ECE Basic Level.

ECE 251-3.0: Practicum I

This course will provide the student with opportunities to observe and have practical experiences in an integrated or specialized preschool centre. Prerequisite: ECE Basic Level and minimum of one Post Basic course. (*Recommend ECE 250 and ECE 255 and permission of Practicum Supervisor prior to commencement.*)

ECE 252-3.0: Practicum II

This course continues to build on the skills developed in ECE 251 through practical experiences in another integrated or specialized preschool centre. The student will take on a supervisory role, responsible for programming, guiding, administration and family involvement. Prerequisite: ECE 251 and successful completion of ECE 251 or Prior Learning Assessment (P.L.A.) equivalent and permission of the Practicum Supervisor.

ECE 253-3.0: Augmentative Communication

This course serves as an introduction to language and communication development and methods for enhancing these skills in special populations. Practical strategies for facilitating communication, both through interaction styles and through use of communication aids, are provided. A basic understanding of the types and purposes of augmentative communication systems are presented.

ECE 255-3.0: Special Education Curriculum Planning II
This course presents methodologies for organizing, executing and evaluating programs for children with special needs (0-8 yrs.). The process for developing individualized program plans and overview of techniques for implementing programs will be outlined. Prerequisite: ECE 250.

PRESCHOOL AIDE TRAINING PROGRAM (P.A.T.)

(This program requires special funding, therefore may not be offered every year.)

In the P.A.T. program, students with cognitive disabilities, who do not meet the requirements for the ECE Basic Program are integrated, with support, into some of the ECE program classes, gaining enough knowledge and skills to work as aides in an early childhood setting.

ADMISSION REQUIREMENTS

Please contact the Educational Advisor in your centre.

PROGRAM OUTLINE

Fall Semester

PAT 090-3: Activities for Young Children I
PAT 092-3: Working in Programs with Young Children I
PAT 093-3: Healthy Environments for Young Children
PAT 095-3: The Family
PAT 090/92-0: Preschool Lab

Winter Semester

PAT 091-3: Activities for Young Children II
PAT 094-3: Working in Programs with Young Children II
PAT 099-3: Working with Families
PAT 097-3: Practicum II (*January*)
PAT 098-3: Practicum III (*May*)
PAT 091/94-0: Preschool Lab

NOTE:

This program does not qualify graduates as Early Childhood Supervisors or Assistants.

Graduates from this training will receive a PAT Certificate from the College, enabling them to work as Aides in the early childhood field.

COURSE DESCRIPTIONS

PAT 090-3.0: Activities for Young Children I

This course provides the student with an understanding of the daily routines and activities in an Early Childhood Centre. The student will learn to choose, prepare, present and clean up materials and equipment in the classroom, as directed by a supervisor. This is a practical course with the focus on exploring creative, age appropriate art and language arts activities for young children.

PAT 090/92-0.0: Lab

This course provides the student with a practical introduction to working with young children in licensed group settings. During this practicum students will familiarize themselves with the program, help wherever necessary and begin to develop positive communication skills with young children.

PAT 091-3.0: Activities for Young Children II

This course is a continuation of activities for young children, Part I, with the focus on exploring creative, age appropriate social studies, science, math, music, sensory and movement activities for young children.

PAT 092-3.0: Working in Programs with Young Children I

This course gives an overview of Early Childhood programs. This course will include teachers' responsibility, introduction to child development, arranging environments and activities for children and guiding children.

PAT 093-3.0: Healthy Environments for Young Children

The student will begin to understand the basics of good health and nutrition and learn how to model sound health routines around young children, helping those who are teaching. The course will focus on showing the student how to plan and prepare nutritious snacks and meals and maintain safe environments for young children.

PAT 094-3.0: Working in Programs with Young Children II

This course considers the process of planning programs for young children which include activities to help children develop self-esteem and social language and thinking skills. Students will organize and use resources. As well, students will learn about child care regulations and their own role as aides in preschool programs.

PAT 095-3.0: The Family

The student will begin to understand families and how they function. They will explore changing families and look at

ways to give support to them while working as an aide in an early childhood centre.

PAT 097-3.0: Practicum II

This course provides the PAT student with practical opportunities to develop positive relationships with children, prepare simple materials and assist children in routines and learning experiences.

PAT 098-3.0: Practicum III

This course provides the student with an opportunity to develop positive relationships with children, prepare and clean up simple materials, assist children in routines and learning experiences and to help plan and present some age appropriate activities for young children. The student will demonstrate the ability to take direction and to work competently as a classroom aide.

PAT 099-3.0: Working with Families

This course examines daily routines that support the needs of families and encourages participation. The student will look at ways that a classroom aide could support a childcare centre's efforts to involve families in their program throughout the year.

ENGLISH AS A SECOND LANGUAGE

(Kitimat, Prince Rupert and Terrace Campuses)

Northwest Community College offers programs to assist students in acquiring basic English reading and writing skills. The English as a Second Language (ESL) program is intended for persons whose native language is not English.

English as a Second Language programs develop reading, writing and speaking skills. The program content and objectives are based on the needs of the students. Introductory programs are available which develop the skills necessary to perform tasks such as making appointments, getting a driving license, searching for a job, etc. More advanced programs for students who have already completed an introductory program or who already have basic speaking, writing and reading skills are also available.

English as a Second Language programs are currently offered in Kitimat, Prince Rupert and Terrace (September to June). Please contact your local College centre for more information.

HEAVY DUTY MECHANICSTRAINING - ENTRY LEVEL

(Terrace Campus)

8 - 9 months to complete

NWCC
ENTRY LEVEL TRADES CERTIFICATE
in
HEAVY DUTY
MECHANICS TRAINING

(Could be granted 1 year on an apprenticeship!)



THREE YEARS OF APPRENTICESHIP

Includes...
ANNUAL TECHNICAL TRAINING PERIODS
AT A TRADES TRAINING FACILITY
AND
ON-THE-JOB TRAINING WITH A
JOURNEYED TRADES PERSON
(Learning while earning!)



COMPLETE THE REQUIREMENTS OF YOUR
APPRENTICESHIP
and
write the
INTER-PROVINCIAL
CERTIFICATION EXAMINATION
to become
a
CERTIFIED JOURNEYED TRADES PERSON!

Graduates of this program could find employment as Apprentices and helpers in repair shops or service stations, or in complex service departments of the Heavy Equipment or Truck/Transportation industry.

NOTE:

Having both a Heavy Duty Mechanic Certificate and a Commercial Transport Repair Mechanic Certificate enhances your employability. You can complete both Certificates in one September through June term.

This Certificate Program is designed to:

- Be equivalent to the first year of apprenticeship technical training (Ministry of Labour Standards).
- Prepare learners for entry level skilled employment.
- Provide a foundation for career advancement and specialization.
- Give access and advanced standing to secondary school graduates of High School Apprenticeships, Career Preparation programs, and Learners with Prior Learning and relevant experience.

ADMISSION REQUIREMENTS

1. Grade 10 or G.E.D. or CCP (ABE) Intermediate Level Math and English, *and*
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

NOTE:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Overall fees of \$2.50/week.
5. Purchase of necessary learning resources (available at College Bookstore).

NOTE:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, three or four ring binders, paper (lined & unlined), scientific calculator, geometry set, gloves and 3-3 1/4" computer disks.

START DATE

Programs are offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

Introduction to Trades

Topics included in the Workshop Orientation and Handskills section of the certificate are:

- Learning Success
- Applied Math
- Safe Work Practices
- Use Hand, Measurement & Power Tools
- Use Shop Equipment
- Introduction to Computers
- Read & Interpret Drawings
- Lift Loads
- Technical Communications
- Scaffolds & Ladders
- Fasteners & Fittings
- Describe Trades Occupations
- Workplace Skills
- Oxy-acetylene Cutting, Welding & Brazing

Heavy Duty Mechanic Specialty

- Safe Work Practices
- Operate Equipment
- Service Winches/Working Attachments
- Service Brake Systems
- Service Hydraulic Systems
- Overhaul Diesel Engines
- Lubricants & Fluids
- Service Engine Support Systems
- Service Fuel Systems
- Service Electrical & Electronic Systems
- Service Power Trains
- Arc Welding
- Service Track Type Equipment
- Service Wheel Type Equipment

HOME SUPPORT/ RESIDENT CARE ATTENDANT

The Home Support/Resident Care program prepares 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 clients in meeting basic needs and to achieve the highest possible quality of life.

Graduates will be employable as Home Support Workers working in a client's home, or as Continuing Care Assistants functioning as members of a team in facilities providing Personal Care, Intermediate Care, Extended Care and in Group Homes.

Upon successful completion graduates receive a Home Support/Resident Care Certificate which is recognized provincially.

ADMISSION REQUIREMENTS

1. Grade 10 or ABE Intermediate or GED.
2. Current immunizations.

Students should be aware that a Criminal Record Search may be required before they can obtain a practicum placement and that the presence of certain crimes on the record would make practicum placement, graduation and subsequent employment impossible.

HOW TO APPLY

Applications are available at all College centres and can be submitted at any time.

DATES AND LOCATION

The program is offered subject to public demand and sponsor funding.

DATES AND LOCATION

Contact Campus for information.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROGRAM OUTLINE

This is a six month program with practicum and classroom sessions.

HS/RCA 101-6	Concepts for Practice
HS/RCA 102-3	Interpersonal Skills
HS/RCA 103-3	Personal Care Skills
HS/RCA 104-1.5	Practice Context for Home Support and Resident Care Attendant
HS/RCA 105-1.5	Professionalism
HS/RCA 106-3	Wellness and Lifestyle
HS/RCA 107-3	Orientation and Student Success
HS/RCA 108-3	Home Support Practicum
HS/RCA 109-3	Resident Care Practicum

COURSE DESCRIPTIONS

HS/RCA 101-6.0: Concepts for Practice

This course has five major sections: 1) Structure and Function of Body Systems - covers the structure and function of the ten body systems; 2) Growth and Development - uses the Ericksonian lifespan perspective; 3) Health Problems - major and common health problems affecting the population; 4) Loss/Grieving, Pain, Troubled Family/Elder Abuse - includes the remaining major concepts to be covered; and, 5) Special Needs.

HS/RCA 102-3.0: Interpersonal Skills

This course will prepare the learner to interact with a variety of individuals and groups using effective communication techniques. The learner will develop skills that promote personal awareness, caring and helping relationships and conflict management.

HS/RCA 103-3.0: Personal Care Skills

In this course students will acquire the basic personal skills required of the Home Support/Resident Care Attendant. Skills which assist clients in meeting their needs for hygiene, comfort, elimination and mobility will be covered. Students will practice and demonstrate the correct and safe performance of the personal care skills in the nursing laboratory setting.

HS/RCA 104-1.5: Practice Context for Home Support and Resident Care Attendant

This course provides a specific overview of the practice contexts for Home Support and Resident Care Attendants. Roles within the community health care team will be addressed and the responsibilities of being an effective member discussed. Specific details of each practice area are also reviewed.

HS/RCA 105-1.5: Professionalism

This course focuses on personal and professional issues related to personal practice and relationships with clients, co-workers and employers in the health and social service fields. Ethical and legal principles will be explored in various contexts.

HS/RCA 106-3.0: Wellness and Lifestyle

This course addresses health and well-being as a holistic and life-long process. Learners will explore concepts and issues integral to health and well-being such as culture, gender, environment, economics, politics, lifestyle and change.

HS/RCA 107-3.0: Orientation and Student Success

This course is an introduction and overview of the program, identify the values and beliefs that are held about aging, health, the family, caring, caregiving and teaching and learning. Also included in the orientation are student success, basic CPR, WHMIS and foodsafe certifications.

HS/RCA 108-3.0: Home Support Practicum

The practicum emphasizes integration of program theory into the practice care environment.

HS/RCA 109-3.0: Resident Care Practicum

The practicum emphasizes integration of program theory into the practice care environment.

INDUSTRIAL MECHANIC (MILLWRIGHT) TRAINING

- ENTRY LEVEL

(Terrace Campus)
8 - 9 months to complete

NWCC
ENTRY LEVEL TRADES CERTIFICATE
in
INDUSTRIAL MECHANIC
(MILLWRIGHT) TRAINING

(Could be granted 1 year on an apprenticeship!)

THREE YEARS OF APPRENTICESHIP

Includes...
ANNUAL TECHNICAL TRAINING PERIODS
AT A TRADES TRAINING FACILITY
AND
ON-THE-JOB TRAINING WITH A
JOURNEYED TRADES PERSON
(Learning while earning!)

COMPLETE THE REQUIREMENTS OF YOUR
APPRENTICESHIP

and
write the
INTER-PROVINCIAL
CERTIFICATION EXAMINATION
to become

a
CERTIFIED JOURNEYED TRADES PERSON!

Graduates of this program could find employment as Apprentices and helpers in pulp, paper or lumber mills, mines, industrial processing plants, or in complex service departments of Industrial Repair Shops.

This Certificate Program is designed to:

- Be equivalent to the first year of apprenticeship technical training (Ministry of Labour Standards).
- Prepare learners for entry level skilled employment.
- Provide a foundation for career advancement and specialization.
- Give access and advanced standing to secondary school graduates of High School Apprenticeships, Career Preparation programs, and Learners with Prior Learning and relevant experience.

ADMISSION REQUIREMENTS

1. Grade 10 or G.E.D. or CCP (ABE) Intermediate Level Math and English, and
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

NOTE:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Coverall fees of \$2.50/week.
5. Purchase of necessary learning resources (available at College Bookstore).

NOTE:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, three or four ring binders, paper (lined & unlined), scientific calculator, geometry set, gloves and 3-3 1/4" computer disks.

START DATE

Programs are offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

Introduction to Trades

Topics included in the Workshop Orientation and Handskills section of the certificate are:

- Learning Success
- Applied Math
- Safe Work Practices
- Use Hand, Measurement & Power Tools
- Use Shop Equipment
- Introduction to Computers
- Read & Interpret Drawings
- Lift Loads
- Technical Communications
- Scaffolds & Ladders
- Fasteners & Fittings
- Describe Trades Occupations
- Workplace Skills
- Oxy-acetylene Cutting, Welding & Brazing

Industrial Mechanic (Millwright) Specialty

- Learning Success
- Safe Work Practices
- Use Drilling Machines
- Use Power Tools
- Use Hydraulic Presses
- Use Lathes & Milling Machines
- Lubricants & Lubrication Systems
- Gear & Gear Drive Systems
- Heat Treating Metals
- Install Machine Components
- Pneumatic Systems
- Hydraulic Systems
- Material Handling Systems
- Arc Welding

INTEGRATED HUMAN SERVICE

The Integrated Human Service (IHS) Certificate and Diploma program has been developed in response to various needs within the Northwest Community College region. New directions in health care and chronic shortages of certain types of skilled para-professionals have created needs in each of the specialties offered in this program. A strategic planning process is currently under way to determine the optimum locations for delivery of the Certificate and Diploma Levels of the Integrated Human Service Program.

IHS is both a certificate and diploma program with the exception of the Special Education Assistant Option (*Certificate*). The Diploma section of SEA is still under development and proposed for the Fall of 1999. The IHS program offers some courses required to ALL Options. You can start your studies of any Option on a part-time basis by taking *core courses*. Also coming on line in 1999 under the Integrated Human Service umbrella is the Early Childhood Education Option (*see the ECE section for program description*). Please talk with an Educational Advisor for more information.

The IHS Certificate is ten months in duration and the IHS Diploma amounts to twenty months of training in total. Specialties are chosen by the student in the first year, but additional specialties may be picked up if a student chooses to do this.

This program focuses on a community based holistic approach to implementing changes in lifestyle. It is very important for students to recognize the need for a healthy lifestyle when pursuing a career in the caregiving field. The focus of the program is to teach helping skills to assist others with implementing lifestyle changes.

The program allows students to acquire para-professional training in the caregiving field, at the same time acquiring specialty knowledge in their chosen specialty.

The *Addictions Option* allows a student access to theoretical and practical application of knowledge within this field of study. At the certificate level students are given introductory information within addictions theory and more specifically how addictions affect us in a holistic sense. At the diploma level students examine how individuals, and community deal with issues surrounding addiction. Addictions are examined further in the context of societal attitudes and the types of solutions that have been pursued to alleviate or eliminate the negative impact on individuals, community and society.

The *Mental Health Option* of the Integrated Human Service program prepares students to work at the para-professional level in the field of mental health. The program emphasizes skills and knowledge required to support an individual and family with mental health challenge in the community within a holistic framework of mental health. At the certificate level students are introduced to the field of mental health and a model of psychosocial rehabilitation. In the diploma level the students further explore the psychosocial rehabilitation model and apply it within an integrated community practicum context.

The *Special Education Assistant Option* of the IHS program prepares students to work at the para-professional level in the field of education. The program emphasizes skills and knowledge required to facilitate the child's integration within a classroom. Special Education Assistants work under the supervision of classroom, or resource, teachers in supporting students with special needs.

The *Social Service Worker Option* is for those people who wish to obtain training and skills in the social services. This training includes university transfer courses and special courses to prepare the student to work as a para-professional helping and caring for people with different needs. Usually para-professionals are supervised by a professional with a university degree.

Goals for the Social Service Worker Option are: to prepare students for para-professional work in social services (helping and supporting people with different social needs) and many other related employment areas; to prepare students for additional education and training; and, to provide opportunities for personal and professional growth.

Opportunities for graduates from this program include child and youth workers, financial assistance workers, teacher assistants, support workers, family resource workers, etc.

Students who complete the diploma level may wish to continue their education in order to go on into professional careers in human and social services such as: social worker, family counsellor, probation officer, corrections officer, high school or college counsellor or any other professional position in the social services field.

The *Youth Option* allows a student access to theoretical and practical application of knowledge within this field of study. Students will examine theoretical foundations in the specialty of Child and Youth care field. First an overview of the practice of Child and Youth care in Canada, then moving towards strategies utilized at the provincial level amongst

various institutions and finally examining issues in child development, law enforcement, education and therapeutic techniques for youth.

ADMISSION REQUIREMENTS

Certificate Level Admissions

1. English 12, *or* English 050, *or* English 045 with C+ or better, *or* satisfactory performance on the Integrated Human Service English Placement Test. Applicants requiring the Placement Test must contact the Admissions Office.
2. Two reference forms must come from an employer, volunteer supervisor, teacher or human service professional, attesting to the applicant's personal suitability for work in human services. Forms are available through the Admissions Office.
3. A work/volunteer experience resume and a written statement describing career goals, special interests and reasons for seeking entrance to this program (between 300 to 500 words in length).
4. Documentation for a minimum of 45 hours of satisfactory work or volunteer experience in the field of social services.

Note:

1. Applicants should be aware that in the field of addictions a reference letter should be submitted attesting to a minimum of three years of sobriety to the start date of the addictions option for those applicants in recovery.
2. Students should be aware that a Criminal Record Search is required before they can obtain a practicum placement and that the presence of certain crimes on the record would make practicum placement, graduation and subsequent employment impossible.
3. Students are required, dependent upon their practicum placement, to submit a medical certificate with TB testing and up-to-date immunization.

Diploma Level

- Social Service Worker Option Admissions

1. IHS Option Certificate.
2. Any other human service related certificate from an accredited post-secondary institution.
3. Individual course pre-requisites.

Note:

IHS Diploma applicants planning to apply to a school of Social Work (e.g. UNBC or UVic) or Child and Youth Care should consult with that university in order to take the appropriate university credit electives.

Contact an Educational Advisor for assistance.

DATES AND LOCATION

The full-time programs start in September and end the middle of June depending on practicum placement. *Your acceptance letter will include information specific to your Option.*

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROBATION

In addition to maintaining satisfactory academic progress, i.e. a GPA of 2.5, students are expected to develop a level of interpersonal and helping skills necessary for successful performance in the human relations field. Admission to Practicum courses depends on successful completion of courses and the permission of the practicum instructors.

A student who fails to develop the necessary level of skills required for successful completion of the practicum may, in consultation with the Program Coordinator and the agency supervisors, be required to go on probation. In this case the student would be expected to meet the necessary standards within a set time period (as determined by the Program Coordinator, agency supervisor and student) or be required to withdraw from the program.

TRANSFER FOR CREDIT

Some integrated program graduates go on to university for various programs. All university transfer courses in the program will be transferable. In addition, the University of Victoria and University of Northern British Columbia award, on an individual basis, additional transfer credit for IHS courses. *Interested students can obtain further information from the program instructors or an Educational Advisor.*

PROGRAM OUTLINES

Addictions Option - Certificate Level

(not offered in 1998/99)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Certificate Level for Addictions Option.

Fall Semester

ENGL 151-3 Technical Writing I
FAID 135-.5 Vital Link Standard First Aid
IHS 100-3 Community Wellness
IHS 101-3 Introduction to Roles

- IHS 109-3 Computers in the Human Services I
- IHS 112-3 Interpersonal Communication
- PSYC 101-3 Introductory Psychology I
- SOCI 101-3 Introductory Sociology I

Winter Semester

- ANTH 112-3 First Nations of B.C.
- IHS 102-3 Ethics
- IHS 103-3 Assessment I
- IHS 110-3 Computers in the Human Services II
- IHS 113-3 Helping Skills
- IHS 164-3 Addictions Theory I
- IHS 167-3 Addictions Practicum I
- PSYC 102-3 Introductory Psychology II
- SOCI 102-3 Introductory Sociology II

Addictions Option - Diploma Level

(not offered in 1998/99)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Diploma Level for the Addictions Option.

Fall Semester

- IHS 203-3 Assessment II
- IHS 213-3 Group Theory and Practice
- IHS 265-3 Addictions Theory II
- IHS 268-3 Addictions Practicum II (2 days per week)
- PSYC 221-3 Abnormal Psychology & Therapy I
- SOCI 205-3 Sociology of the Family

Winter Semester

- IHS 201-3 Working with Persons of Differing Abilities
- IHS 202-3 Selected Issues in Community Services:
Family Violence
- IHS 266-3 Addictions Theory III
- IHS 269-3 Addictions Practicum III (2 days per week)
- PSYC 202-3 Abnormal Psychology & Therapy II

Mental Health Option - Certificate Level

(not offered in 1998/99)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Certificate Level for the Mental Health Option.

Fall Semester

- ENGL 151-3 Technical Writing I
- FAID 135-.5 Vital Link Standard First Aid
- IHS 100-3 Community Wellness
- IHS 101-3 Introduction to Roles
- IHS 109-3 Computers in the Human Services I

- IHS 112-3 Interpersonal Communication
- PSYC 101-3 Introductory Psychology I
- SOCI 101-3 Introductory Sociology I

Winter Semester

- ANTH 112-3 First Nations of B.C.
- IHS 102-3 Ethics
- IHS 110-3 Computers in the Human Services II
- IHS 113-3 Helping Skills
- IHS 180-3 Growth and Wellness I
- IHS 184-3 Mental Health Theory I
- IHS 187-3 Mental Health Practicum I (8 weeks)
- PSYC 102-3 Introductory Psychology II
- SOCI 102-3 Introductory Sociology II

Mental Health Option - Diploma Level

(not offered in 1998/99)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Diploma Level for the Mental Health Option.

Fall Semester

- IHS 213-3 Group Theory and Practice
- IHS 280-3 Growth and Wellness II
- IHS 285-3 Mental Health Theory II
- IHS 288-3 Mental Health Practicum II (2 days per week)
- PSYC 221-3 Abnormal Psychology & Therapy I
- SOCI 205-3 Sociology of the Family

Winter Semester

- IHS 201-3 Working with Persons of Differing Abilities
- IHS 202-3 Selected Issues in Community Services:
Family Violence
- IHS 386-3 Mental Health Theory III
- IHS 289-3 Mental Health Practicum III (2 days per week)
- PSYC 222-3 Abnormal Psychology & Therapy II

Special Education Assistant Option - Certificate Level

(Selected courses will be offered part-time throughout the region on a cost recovery basis.)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Certificate Level for the Special Education Assistant Option.

Fall Semester

- ENGL 151-3 Technical Writing I
- FAID 140-.5 Child Oriented First Aid
- IHS 104-3 Health, Safety and Nutrition
- IHS 105-3 Human Development I

- IHS 106-3 Human Development II
- IHS 107-3 Curriculum Planning I
- IHS 112-3 Interpersonal Communication
- IHS 117-3 Working with Children Requiring
Extra Support
- IHS 155-3 Teaching and Learning I
- IHS 157-3 Special Education Assistant Block Practicum I

Winter Semester

- IHS 108-3 Curriculum Planning II
- IHS 114-3 Augmentative Communication
- IHS 115-3 Families and Early Childhood Education
Programs I
- IHS 154-3 Foundations in Education
- IHS 156-3 Teaching and Learning II
- IHS 158-3 Special Education Assistant Block Practicum II

Social Service Worker Option Certificate Level

(offered at our Terrace Campus only)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Certificate Level for the Social Service Worker Option.

Fall Semester

- ENGL 151-3 Technical Writing I
- FAID 110-.5 Occupational First Aid Level I
- IHS 109-3 Computers in Human Services I
- IHS 112-3 Interpersonal Communication
- IHS 191-3 Introduction to Social Service Agencies
- IHS 195-3 Introduction to Social Services
- PSYC 101-3 Introductory Psychology I
- SOCI 101-3 Introductory Sociology I

Winter Semester

- ANTH 112-3 First Nations of B.C.
- IHS 196-3 Social Policies
- IHS 112-3 Helping Skills
- IHS 110-3 Computers in the Human Services II
- IHS 192-3 Introduction to Social Service Practice
- IHS 197-3 Social Service Worker Block Practicum I
- PSYC 102-3 Introductory Psychology II
- SOCI 102-3 Introductory Sociology II

Social Service Worker Option - Diploma Level

(offered at our Terrace Campus only)

Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Diploma Level for the Social Service Worker Option.

Fall Semester

- ENGL 101-3 Literature and Composition I
 - IHS 213-3 Group Theory and Practice
 - SOCI 205-3 Sociology of the Family
- plus 3 University Credit and/or IHS Electives*

Winter Semester

- IHS 290-3 Community Development
 - IHS 298-3 Social Service Worker Block Practicum II
 - SOCI 206-3 The Family in Cross Cultural Perspective
- plus 4 University Credit and/or IHS Electives*

University Credit Electives for SSW Option - Diploma Level

- ANTH 111-3 First Nations of Canada
- ANTH 203-3 First Nations of the Northwest Coast I
- ANTH 204-3 First Nations of the Northwest Coast II
- ECON 111-3 Principles of Microeconomics
- ECON 112-3 Principles of Macroeconomics
- HIST 106-3 Canada Since Mid-Nineteenth Century
- MATH 131-3 Introduction to Statistics
- POLI 101-3 Canadian Politics I
- POLI 102-3 Canadian Politics II
- PSYC 201-3 Developmental Psychology I
- PSYC 202-3 Developmental Psychology II
- PSYC 221-3 Abnormal Psychology & Therapy I
- PSYC 222-3 Abnormal Psychology & Therapy II
- SOCI 250-3 Sociology of Deviance
- SOCI 251-3 Crime and Society

IHS Credit Electives for SSW Option - Diploma Level

- ECE 203-3 Special Needs Care and Growth
- ECE 208-3 Administrative Skills for Professionals
- ECE 250-3 Special Education Planning I
- ECE 255-3 Special Education Planning II
- IHS 107-3 Curriculum and Planning I
- IHS 108-3 Curriculum and Planning II
- IHS 110-3 Assessment I
- IHS 114-3 Augmentative Communication
- IHS 117-3 Working with Children Requiring Extra
Support
- IHS 154-3 Foundations in Education
- IHS 155-3 Teaching and Learning I
- IHS 156-3 Teaching and Learning II
- IHS 184-3 Mental Health I
- IHS 201-3 Working with Persons of Differing Abilities

Youth Option - Certificate Level (not offered in 1998/99)
Applicants are encouraged to contact the Program Coordinator or an Educational Advisor for information regarding the Certificate Level for the Youth Option.

Fall Semester

ENGL 151-3 Technical Writing I
FAID 135-5 Vital Link Standard First Aid
IHS 100-3 Community Wellness
IHS 101-3 Introduction to Roles
IHS 109-3 Computers in the Human Services
IHS 112-3 Interpersonal Communication
PSYC 101-3 Introductory Psychology I
SOC 101-3 Introductory Sociology I

Winter Semester

ANTH 112-3 First Nations of B.C.
IHS 102-3 Ethics
IHS 103-3 Assessment I
IHS 110-3 Computers in the Human Services II
IHS 113-3 Helping Skills
IHS 174-3 Youth Theory I
IHS 177-3 Youth Practicum I
PSYC 102-3 Introductory Psychology II
SOC 102-3 Introductory Sociology II

Youth Option - Diploma Level (not offered in 1998/99)
Applicants are encouraged to contact the Program Coordinator or a Educational Advisor for information regarding the Diploma Level for the Youth Option.

Fall Semester

IHS 213-3 Group Theory and Practice
IHS 203-3 Assessment II
IHS 275-3 Youth Theory II
IHS 279-3 Youth Practicum II (2 days per week)
PSYC 201-3 Abnormal Psychology I
SOC 205-3 Sociology of the Family

Winter Semester

IHS 201-3 Working with Persons of Differing Abilities
IHS 202-3 Selected Issues in Community Services:
Family Violence
IHS 276-3 Youth Theory III
IHS 279-3 Youth Practicum III (2 days per week)
PSYC 202-3 Abnormal Psychology II

COURSE DESCRIPTIONS

Anthropology 111-3.0: First Nations of Canada

See the University Credit section for course description.

Anthropology 112-3.0: First Nations of British Columbia

See the University Credit section for course description.

Anthropology 203-3.0:

First Nations of the Northwest Coast I

See the University Credit section for course description.

Anthropology 204-3.0:

First Nations of the Northwest Coast II

See the University Credit section for course description.

ECE 203-3.0: Special Needs Care & Growth

See Early Childhood Education section for course description.

ECE 208-3.0: Administration Skills for ECE Professionals

See Early Childhood Education section for course description.

ECE 250-3.0: Special Education Curriculum Planning I

See Early Childhood Education section for course description.

ECE 255-3.0: Special Education Curriculum Planning II

See Early Childhood Education section for course description.

Economics 111-3.0: Principles of Microeconomics

See the University Credit section for course description.

Economics 112-3.0: Principles of Macroeconomics

See the University Credit section for course description.

English 101-3.0: Literature and Composition I

See the University Credit section for course description.

English 151-3.0: Technical Writing I

See the University Credit section for course description.

FAID 110-.5: Occupational First Aid Level I

This first aid course gives students a WCB Occupational Level I endorsement.

FAID 135-.5: Vital Link Standard First Aid

This course is designed to teach the fundamentals of emergency care and first aid. Cardiopulmonary Resuscitation (CPR) is included.

FAID 140-.5: Child Oriented First Aid

This course includes Vital Link Emergency First Aid, Basic Rescue and Child Safe.

IHS 100-3.0: Community Wellness

This course introduces the student to the concept of wellness in relation to individuals and communities. Topics covered will include personal wellness, healthy communities, local and regional resources community development and the role for paraprofessionals personnel in community action. Prerequisites: Grade 12 or permission of the instructor.

IHS 101-3.0: Introduction to Roles

The purpose of this introductory course is to provide learners with an opportunity to analyze the foundations of the Canadian Social Welfare system, specifically relating to mental health, youth, and addictions. Within these components, learners will be introduced to current issues and controversies and the various roles and responsibilities typically undertaken by persons working in these fields. Prerequisites: Grade 12 or permission of the instructor.

IHS 102-3.0: Ethics

This course will provide a brief overview of major ethical theories and the principles and concepts underlying them. The major focus of the course will be the presentation of a model for critical analysis and its application to specific ethical dilemmas in health care practice. Prerequisites: Grade 12 or permission of the instructor.

IHS 103-3.0: Assessment I

This course provides students with an introduction to the basic principles underlying the composition and application of assessment techniques in the helping process. A detailed and comprehensive assessment is crucial to facilitating this process. Assessment represents the foundation upon which the subsequent phases of planning, implementation, and evaluation are undertaken in the helping/caregiving field. Prerequisites: PSYC 102, SOC 102.

IHS 104-3.0: Health, Safety and Nutrition

This course provides students with an understanding of the basic principles of health, safety and nutrition for adults as well as children. The course will focus on nutrition, signs and symptoms of communicable diseases, disease prevention, signs of abuse and neglect and assessing a facility for safety.

IHS 105-3.0: Human Development I

This course provides students with an introduction to the theories, methods, concepts and research findings relevant to

normal human development through the life span. The importance of individual differences, the effects of heredity and environment and the ethical issues involved in research and program are discussed. Application of child care situations are explored in lectures in reference to children and their families. Students will be required to read from text and other references as required.

IHS 106-3.0: Human Development II

This course is a continuation of IHS 105 and examines development in all spheres from the school years to adolescence through adulthood. Prerequisite: IHS 105 or equivalent.

IHS 107-3.0: Curriculum Planning I

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 108-3.0: Curriculum Planning II

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 109-3.0: Computers in Human Services I

This course introduces social service workers to the use of computers. The main emphasis is on the principles and practice of word processing. (1.0,2.0,0)

IHS 110-3.0: Computers in Human Services II

This is a continuation of the introductory course of computers in the social services. In this course, students will learn advanced word processing features, data base, spreadsheets, hypercard and Internet. This course consists of lectures and labs. (3.0,3.0,0) Prerequisite: IHS 109.

IHS 112-3.0: Interpersonal Communication

In this course, students will explore the process of effective interpersonal communication. Students will examine both verbal and non-verbal communication and methods for facilitating communication.

IHS 113-3.0: Helping Skills

This course introduces the student to various helping skills. It identifies helping strategies and provides opportunity for the practical application of these skills through role play and structured exercises. Individuals already employed in the social service may find this course beneficial as a refresher course in helping skills. (3.0,0) Prerequisite: IHS 112 or permission of the instructor.

IHS 114-3.0: Augmentative Communication

This course serves as an introduction to language and communication development and methods for enhancing these skills in special populations. Practical strategies for facilitating communication, both through interaction styles and through use of communication aids, are provided. A basic understanding of the types and purposes of augmentative communication systems are presented. Prerequisite: IHS 117 or permission of instructor.

IHS 115-3.0: Families and Early Childhood Education Programs I

This course examines the patterns & structures of family life, the influences on family and diversity of family from one culture and class to another. The purpose of this course is to provide insight that will influence the student's ability to provide support for families in childcare settings.

IHS 117-3.0: Working with Children Requiring Extra Support

This course explores both the personal and societal values and attitudes towards persons with special needs. The basic understanding of the Principle of Normalization and its contribution to changes in the special needs field will be examined. There is an emphasis on developing the necessary skills and attitudes to include children who require extra support in early childhood settings. Prerequisite: Enrollment in the ECE/SEA program or permission of Co-ordinator.

IHS 154-3.0: Foundations in Education

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 155-3.0: Teaching and Learning I

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 156-3.0: Teaching and Learning II

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 157-3.0: Special Education Assistant Block Practicum I

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 158-3.0: Special Education Assistant Block Practicum II

This course is currently under development. Course description unavailable. Prerequisite: Admission into SEA program.

IHS 164-3.0: Addictions Theory I

This course examines the development of substance abuse in today's society. The major categories of psychoactive drugs will be introduced and examined. Effects on the individual's physical, mental, psychological and social development will be examined as well as impact of substance abuse on the family and social costs. Prerequisites: IHS 100, IHS 101.

IHS 167-3.0: Addictions Practicum I

A full-time introductory course in field experience of addictions in the Integrated Human Service program. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Successful completion of all course work with a GPA of 2.5 and permission of instructor.

IHS 174-3.0: Youth Theory I

This course will introduce the student to the major legislation and services targeted at youth in British Columbia. The student will be introduced to pertinent issues relating to Youth Work in this geographical area. The curriculum will include an overview of current interventive services being utilized with youth. Prerequisite: IHS 100, IHS 101.

IHS 177-3.0: Youth Practicum I

A full-time introductory course in field experience of youth in the Integrated Human Service program. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Successful completion of all course work with a GPA of 2.5 and permission of instructor.

IHS 180-3.0: Growth and Wellness I

This course introduces concepts fundamental to understanding the purposes, methods and usefulness of assessment. Holistic assessment of children from infancy to adolescence in the context of family and community is addressed.

IHS 184-3.0: Mental Health Theory I

This course introduces students to historical and contemporary approaches to the issue of mental illness and mental health. Various approaches of defining personal problems and their cause in modern industrialized society will be examined. Particular emphasis will be given to the psychosocial rehabilitation model as it is used to facilitate community living for people in and rural areas with mental health challenges. A basic focus will be upon the values, skills and knowledge required to support an individual living with a mental health challenge in the community. Prerequisites: IHS 100, IHS 101.

IHS 187-3.0: Mental Health Practicum I

A full-time introductory course in field experience of mental health in the Integrated Human Service program. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Successful completion of all course work with a GPA of 2.5 and permission of instructor.

IHS 191-3.0: Introduction to Social Service Agencies

This course introduces the student to the variety of social and related services provided in the community. Students will have the opportunity of communicating with representatives from social service and related agencies and to develop their awareness as social service worker students. Presentations and discussions with guest speakers as well as some visits to agencies will form the basis of student learning. (3,0,0) Prerequisite: Must complete all admission requirements.

IHS 192-3.0: Introduction to Social Service Practice

This course is designed to continue the preparation of the IHS student for a Block 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. (3,0,0) Prerequisite: Successful completion of all course work to date with a G.P.A. of 2.5 and permission of the instructor.

IHS 195-3.0: Introduction to Social Services

This course introduces the student to the general practice of social work. The general knowledge base and the skills of social work are outlined. Particular emphasis is placed on generalist practice in northern communities. The major work environments of social service workers are analyzed. The general aim is to assist students in evaluating their interests and capabilities for entering the professional social services. (3,0,0)

IHS 196-3.0: Social Policies

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. (3,0,0) Prerequisite: IHS 195 or permission of instructor.

IHS 197-3.0: Social Service Worker Block Practicum I

This course is a full-time placement at an approved agency 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 social service worker capacity. (0,30,0) Prerequisite: Successful completion of all course work with a G.P.A. of 2.5 and permission of the instructor.

IHS 201-3.0: Working with Persons of Differing Abilities

This course will introduce students to the theoretical perspectives in the field of special needs. Through examination of theory, values, and attitudes towards persons of differing abilities, the student will be able to be more effective in the caregiving setting and in providing service. Students will have an increased awareness of issues, legislation and types of care models when working with persons of differing abilities. Prerequisites: PSYC 101/102 or permission of instructor.

IHS 202-3.0: Selected Issues in Community Services: Family Violence

This course introduces the student to the issue of family violence in the context of the helping setting. It will explore the cycle of violence, the forms of violence both physical, emotional and sexual, as well as skills to effectively work with clients who must overcome these issues. How to develop family intervention plans will also be covered. Prerequisite: IHS 102, SOCI 205 or permission of instructor.

IHS 203-3.0: Assessment II

This course will introduce the student to the substantive aspects of assessment. The course will explore psychological, cognitive, and emotional aspects of assessment within the context of: family, culture, biological, socioeconomic and health care environments. Special attention will be placed on the relevance and need for caregivers to be able to utilize a case management approach in dealing with individuals, and/or families. Prerequisite: IHS 103.

IHS 213-3.0: Group Theory and Practice

This course will provide the student with a basic understanding of group work, theory and practice. Topics of study include the various types of groups, group leadership, stages of group development, ethical issues and cultural issues. Students will research groups, facilitate and participate in a group. (3,0,0) Prerequisite: IHS 113.

IHS 265-3.0: Addictions Theory II

The purpose of this course is to introduce the student to the various approaches of treatment for those individuals who have a substance abuse problem. The various theories and perspectives in the field of substance abuse will be examined. Prerequisite: IHS 164, IHS 167.

IHS 266-3.0: Addictions Theory III

This course covers some of the contemporary issues as they relate to the field of addictions. It examines these issues in terms of: societal prevalence and historical beliefs and values. Topics covered include: economy, social control, political systems, the function of drugs and human behaviour. Prerequisite: IHS 265, IHS 268.

IHS 268-3.0: Addictions Practicum II

An integrated course in field experience in the Addictions option in the Integrated Human Service Worker program. This practicum runs concurrently with the theory courses in second year. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: IHS 164, IHS 167. Corequisite: IHS 265.

IHS 269-3.0: Addictions Practicum III

An integrated course in field experience in the Integrated Human Service Worker program that runs concurrently with the theory course IHS 266. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Taken concurrently with IHS 266.

IHS 275-3.0: Youth Theory II

This course is a continuation of Youth Theory I, where the theoretical and practical concerns of funding bodies were introduced, along with relevant legislation. Practice modalities including conflict resolution, introductory counseling and case management will be introduced. Professional documentation and report writing will be addressed at an introductory level. Prerequisite: IHS 101, IHS 174, IHS 177.

IHS 276-3.0: Youth Theory III

In this course students will examine law enforcement, education, child development, and therapeutic techniques in the field of child and youth care. The course will also examine the effectiveness of youth care service delivery from a conceptual framework based upon established program evaluation criteria. Prerequisite: IHS 275.

IHS 279-3.0: Youth Practicum II

An integrated course in field experience in the Youth Option in the Integrated Human Service Worker program. This practicum runs concurrently with the theory courses in second year. The student is placed with an agency who shares their expertise and enables the student to practise skills learned in the classroom.

IHS 279-3.0: Youth Practicum III

An integrated course in field experience in the Integrated Human Service Worker program that runs concurrently with the theory course IHS 276. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Taken concurrently with IHS 276.

IHS 280-3.0: Growth and Wellness II

This course addresses the holistic assessment of adults from 19 years to death. Students will learn to identify the developmental needs of adults and their families in the context of the community in which they live. A wellness perspective is emphasized. Prerequisite: IHS 180.

IHS 285-3.0: Mental Health II

This course expands the concept of mental wellness and moves into experience of living with a mental disorder by the individual, family and community. The psychosocial model will be the basis of assessment and intervention. Prerequisite: IHS 101, IHS 184, IHS 187.

IHS 288-3.0: Mental Health Practicum II

An integrated course in field experience in the Mental Health Option in the Integrated Human Service Worker program. This practicum runs concurrently with the theory courses in second year. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: IHS 184, IHS 187. Corequisite: IHS 285.

IHS 289-3.0: Mental Health Practicum III

An integrated course in field experience in the Integrated Human Service Worker program that runs concurrently with the theory course IHS 286. The student is placed with an agency who shares their expertise and enables the student to practice skills learned in the classroom. Prerequisite: Taken concurrently with IHS 286.

IHS 290-3.0: Community Development

This course will introduce the student to the theory and practice of community development. It is a continuation of a series of courses in the theory and practice of helping: interpersonal communication, helpings skills and group work. A social systems perspective will be used to examine how social change is initiated, supported and maintained. (3,0,0) Prerequisite: IHS 262.

IHS 298-3.0: Social Service Worker Block Practicum II

This course provides a full-time placement with an approved agency sponsor who shares their expertise and allows the student to experience practical learning in a workplace setting. The student will perform tasks, responsibilities and skills indicated for the approved setting as well as having the opportunity to achieve personal learning goals. Organizational and social service competencies are also expected of students.

IHS 386-3.0: Mental Health Theory III

This course focuses on the application of the psychosocial rehabilitation model for the individual and family experiencing a mental disorder within the principles of inclusion, empowerment and advocacy. The role of the support worker will be further explored within the community context with consideration to team work, collaboration and partnerships. Prerequisite: IHS 285, IHS 288.

History 106-3.0:**Canada Since the Mid-Nineteenth Century**

See the University Credit section for course description.

Math 131-3.0: Introduction to Statistics

See the University Credit section for course description.

Political Science 101-3.0: Canadian Politics I

See the University Credit section for course description.

Political Science 102-3.0: Canadian Politics II

See the University Credit section for course description.

Psychology 101-3.0: Introductory Psychology I

See the University Credit section for course description.

Psychology 102-3.0: Introductory Psychology II

See the University Credit section for course description.

Psychology 201-3.0: Developmental Psychology I

See the University Credit section for course description.

Psychology 202-3.0: Developmental Psychology II

See the University Credit section for course description.

Psychology 221-3.0: Abnormal Psychology and Therapy I

See the University Credit section for course description.

Psychology 222-3.0: Abnormal Psychology and Therapy II

See the University Credit section for course description.

Sociology 101-3.0: Introductory Sociology I

See the University Credit section for course description.

Sociology 102-3.0: Introductory Sociology II

See the University Credit section for course description.

Sociology 205-3.0: Sociology of the Family

See the University Credit section for course description.

Sociology 206-3.0:**The Family in Cross-Cultural Perspective**

See the University Credit section for course description.

Sociology 250-3.0: Sociology of Deviance

See the University Credit section for course description.

Sociology 251-3.0: Crime and Society

See the University Credit section for course description.

MARINE STUDIES

(Prince Rupert Campus)

The Marine Department of Northwest Community College at the Prince Rupert centre offers a wide variety of courses for professional mariners and for those persons who wish to upgrade their theoretical knowledge in the area of nautical studies.

Mariners may enroll for the following full-time programs, which are delivered as preparation for Department of Transport certification:

- Command Endorsement
- Watchkeeping Mate
- Fishing Master II, III and IV

Other courses are offered on a non-scheduled, as requested basis. These include:

- coastal navigation
- charter boat operator
- introduction to marine shipping operations
- stability for port operators
- basic vessel safety course MED A1
- small vessel safety course MED A2
- gill net mending
- gill net mending and hanging
- efficient fish boat operator

Students may be able to join the full-time programs after the start date. To do so, or to be waitlisted for one of the part time programs, contact the Marine Department at the Prince Rupert centre.

ADMISSION REQUIREMENTS

Students should be aware that the DOT has both sight and sea time requirements for persons intending to write their exams. It is therefore recommended that students attempting DOT exams obtain approval from the Ship Safety Department of Canadian Coast Guard before applying to the program.

HOW TO APPLY

Applications are available from the College. As the number of spaces for each course is limited, applications should be submitted as early as possible.

FEES

For details see the General Information section.

Full course fees should be paid prior to the commencement of the program. As PMTC fees are included in some of the courses and may change, students should contact the College for accurate information when applying to the program.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROGRAM OUTLINE

Command Endorsement

NAUT 072	Meteorology
NAUT 090	Ship Management
NAUT 160	General Seamanship
NAUT 294	MED C
NAUT 295	MED D
NAUT 323	SEN II

Watchkeeping Mate

NAUT 012	Communications
NAUT 041	Chartwork and Pilotage
NAUT 061	Navigation Safety
NAUT 151	General Ship Knowledge
NAUT 161	General Seamanship
NAUT 291	MED A2
NAUT 292	MED B I
NAUT 293	MED B II
NAUT 300	Mathematics for Mariners
NAUT 321	SEN IA
NAUT 322	SEN IB
NAUT 330	Restricted Radio Operator

Fishing Master II

Completion of all FM III courses plus:

NAUT 072	Meteorology
NAUT 090	Ship Management
NAUT 168	General Seamanship
NAUT 293	MED B II
NAUT 321	SEN IA
NAUT 322	SEN IB

Fishing Master III

NAUT 011	Communications
NAUT 020	Navigating Instruments
NAUT 041	Chartwork and Pilotage
NAUT 061	Navigation Safety

NAUT 157	General Ship Knowledge
NAUT 167	General Seamanship
NAUT 291	MED A II
NAUT 300	Mathematics
NAUT 311	Standard First Aid
NAUT 330	Restricted Radio Operator

Fishing Master IV

NAUT 020	Navigating Instruments
NAUT 040	Chartwork and Pilotage
NAUT 061	Navigation Safety
NAUT 167	General Seamanship
NAUT 291	MED A II
NAUT 300	Mathematics for Mariners
NAUT 311	Occupational First Aid Level I and Transportation Endorsement
NAUT 330	Restricted Radio Operator

Correspondence Programs

For mariners who prefer to study at home or while at sea, NWCC has developed a number of self instructional modules to help students prepare for specific DOT examinations. Students work on their own, but free tutorial help is available by telephone or a student may work with a tutor at the College when time permits.

Modules currently available:

NAUT 040S	Chartwork and Pilotage
NAUT 041S	Chartwork and Pilotage
NAUT 061S	Navigation Safety
NAUT 151S	General Ship Knowledge
NAUT 157S	General Ship Knowledge

COURSE DESCRIPTIONS

NAUT 011: Communications

This course deals with basic skills, and theoretical principles of marine communication; knowledge and practical usage of the +Code of International Signals+, coding and decoding of messages. Course duration: 35 lecture hours.

NAUT 012: Communications

This course deals with basic skills, and theoretical principles of marine communication; knowledge of practical usage of code of international signals coding and de-coding; and practical recognition of letters and numerals sent by Morse flashing light or sound apparatus. Course duration: 35 lecture hours.

NAUT 020: Navigating Instruments

This course will provide the student with basic knowledge of operation and principles of the electronic navigation systems in use. Topics include performance of simple radar plot, understanding of the function of the echo sounder, Loran C navigation system, and marine radar. Course duration: 105 lecture hours.

NAUT 040: Chartwork and Pilotage

This course will provide the basic knowledge of various methods of determining ship's position, accuracy and errors in chartwork, preparation for pilotage, usage of various navigation aids and tools, usage of nautical publications, knowledge of navigation in confined waters, understanding and calculations of the tides. Course duration: 140 lecture hours.

NAUT 041: Chartwork and Pilotage

This course deals with various methods of determining ship's position, accuracy and errors in chartwork, preparation for pilotage, usage of various navigation aids and tools, usage of nautical publications, knowledge of navigation in confined waters, understanding and calculations of the tides. Course duration: 196 lecture hours.

NAUT 061: Navigation Safety

This course deals with the application and interpretation of the International Regulations for preventing collisions at sea and their Canadian modifications, Recommended Code of Navigation Practices and Procedures. Course duration: 63 lecture hours.

NAUT 072: Meteorology

This course will provide the basic knowledge of the atmosphere, temperature, clouds, wind, atmospheric pressure, air masses, fog, ocean currents, revolving storms, ice, forecasting and other meteorological phenomena. The course is designed specifically for mariners. Course duration: 140 lecture hours.

NAUT 090: Ship Management

This course deals with organization of crew for emergencies, drills, maintenance; basic knowledge of CSA regulations relating to registration of ships, port wardens and ship inspections, limitation of liability, pilotage act and more, quarantine regulations, tonnage certificates, elementary knowledge of charter parties; basic principles of ship's stability. Course duration: 133 lecture hours.

NAUT 151: General Ship Knowledge

This course is divided in four sections: CSA regulations, cargo work, ship construction and stability. CSA regulations discussed are the oil pollution, tackle, garbage, safe manning, and other. Stability section deals with the basic principles including calculations of metacentric height, shift of the centre of gravity, change of the trim, and other. Construction covers some basic knowledge and terminology used. Cargo work deals with different systems of rigging, and equipment used. Course duration: 196 lecture hours.

NAUT 157: General Ship Knowledge

This course is divided into four sections: CSA regulations, construction of small fishing vessel, stability and deck rigging equipment. Each section provides knowledge and understanding of basic principles. Section on CSA regulations deals with the pollution, garbage, tackle and other regulations. Course duration: 140 lecture hours.

NAUT 160: General Seamanship

This course is the final preparation for the oral examination for command endorsement students. Course duration: 35 hours.

NAUT 161/167/168: General Seamanship

This course is the final preparation for the oral examination. The course covers some practical knowledge of rigging, bridge discipline and bridge organization, theoretical knowledge of ship's manoeuvring, duties and responsibilities of the officer on watch, practical knowledge of anchors and mooring lines, and others. Course duration: 35/35/35 hours.

NAUT 291: Small Vessel Safety Course MED A2

This course provides understanding of the hazards associated with the marine environment; prevention of shipboard fires and other accidents; provides knowledge and skills required to fight small shipboard fires; provides knowledge and skills to abandon the vessel safely in emergency situations. The course is approved by the Canadian Coast Guard. Course duration: 26 lecture hours.

NAUT 292: Survival Craft - MED B1

Course to be taken at PMTC, Vancouver.

NAUT 293: Marine Fire Fighting - MED B2

Course to be taken at PMTC, Vancouver.

NAUT 294: Officer Certification - MED C

Course to be taken at PMTC, Vancouver.

NAUT 295: Senior Officer - MED D

Course to be taken at PMTC, Vancouver.

NAUT 300: Mathematics for Mariners

This course is designed specifically to refresh the knowledge of basic mathematics. Lecture topics include fractions, decimals, percent, squares, square roots, transposition of formula, sine and cosine curve, speed formula, angles and triangles. Course duration: 35 lecture hours.

NAUT 311: Occupational First Aid Level I and Transportation Endorsement

This course will provide the knowledge of how to manage emergencies aboard the vessel; CPR and first aid; controlling blood loss and assisted breathing. Course duration: 16 hours.

NAUT 321: Simulated Electronic Navigation SEN IA

This course deals with the principles and operation of various electronic navigation systems. Understanding and practical application of radar plotting for collision avoidance. The course is approved by Canadian Coast Guard. Course duration: 120 lecture hours.

NAUT 322: Simulated Electronic Navigation - SEN 1B

Course to be taken at PMTC, Vancouver.

NAUT 323: Simulated Electronic Navigation - SEN II

Course to be taken at PMTC, Vancouver.

NAUT 330: Restricted Radio Operator

This course is designed to prepare the student to earn their restricted radio operator's licence. Course duration: 7 lecture hours.

NATURAL RESOURCES

Contact a Natural Resources Co-ordinator regarding information on the Certificate & Diploma Levels of the Natural Resources Program; Prince Rupert (250) 624-6054 for Coastal Integrated Resources Management; Smithers (250) 847-4461 or Terrace (250) 635-6511 for Forest Technology or Integrated Resource Management.

The Natural Resources Program is an innovative program that provides training in numerous areas of resource management. The program integrates university credit courses with technical courses and offers three diploma options. Field sites are located within minutes of the campuses providing students with opportunities to combine the theory learned in the classroom with the practical skills necessary for employment in the natural resources field.

The certificate level consists of a common core of courses offered in Terrace, Prince Rupert and Hazelton/Houston (alternating years). Upon completion of the certificate level students may return to the workforce or choose to continue in a diploma level in Forest Technology (Smithers or Terrace), Integrated Resource Management (Smithers or Terrace) or Coastal Integrated Resource Management (Prince Rupert). Re-alignment of program courses in 1998/99 will enable students to obtain both the Forest Technology and Integrated Resource Management diplomas with one additional term of study.

Program graduates will find a wide variety of field-oriented career opportunities in the natural resources field. Graduates will be trained for employment as technicians by government agencies, consultants and natural resource industries, in the areas of, resource planning, ecosystem and resource management, silviculture, forest engineering and harvesting, fish and wildlife research and management, parks and recreation, land rehabilitation, habitat restoration, environmental quality, water quality assessment and mariculture.

During breaks in study, students are encouraged to obtain employment in the natural resources field either on their own or by enrolling in the optional Co-op program.

Discussions with faculty at the following institutes have indicated that due to the great number of university credit courses offered in the diploma programs, NWCC graduates may receive more favourable transfer credit than graduates from other institutions.

Institution	Degree
- UNBC] BSc Forestry
- University of Alberta] BSc Forestry
- Grande Prairie Regional College] BSc
- University of Lethbridge] Environmental Science
- UCC] BSc
] Natural Resource Science

Until agreements have been finalized, students must apply for transfer credit on an individual basis.

CO-OPERATIVE EDUCATION - Optional

The Co-operative Education option may be available to full time students in the Natural Resources program in some College centres.

Please see the Co-operative Education description in the section "Services Available to Students" for further information.

CLOTHING/EQUIPMENT

Students will need outdoor clothing, rain gear, boots, cruiser's field vest, compass, clinometer and a hard hat in order to be prepared for a variety of terrain and weather conditions while in the program and on the job. More detailed information can be provided by contacting a Program Co-ordinator or an Educational Advisor. A list of required equipment will be supplied upon acceptance into the program.

Students entering this program should be prepared to participate in physically rigorous field exercises in all types of terrain and weather conditions.

FEES

Please see the General Information section.

Additional Costs - may vary from Campus to Campus

Certificate Level (Term 1 and 2)

Fall Camp (room & board)	approx.	\$	250.00
Personal Equipment	approx.		500.00
Texts	approx.		900.00
Co-op Fees (Optional)			240.00
Handout materials			100.00
Book and Tool deposit			50.00

Diploma Level (Term 3, 4 and 5)

Term 4 Extended Field Trip	approx.	\$	400.00
Texts	approx.		1,200.00
Co-op Fees (Optional)			240.00
Handout materials			100.00
Book and Tool deposit			50.00

(fees subject to change without notice)

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

ADMISSION REQUIREMENTS

Certificate Level Admissions

The admission requirements for entry into the Certificate Level of the Natural Resources program are designed to address basic knowledge and skills in Math, English comprehension, written communication, Biology and Chemistry. Applicants who do not fully meet the following admission requirements should contact an Educational Advisor about taking selected courses. An interest in a career in Natural Resources should be demonstrated.

1. English 12 or English 045 or 050 with a minimum of C or satisfactory performance in the program's English Placement Test.
2. Math 11 or Math 040 with a minimum of C or satisfactory performance in the program's Math Placement Test.
3. Biology 11 or Biology 040 with a minimum of C or satisfactory performance in the program's Biology Placement Test.
4. Chemistry 11 or Chemistry 040 is highly recommended. Commencing Fall/99, Chemistry 11 or Chemistry 040 will be required for entry to the Certificate level.

5. Students are required to submit an up-to-date summary of their educational, work and related life experiences.
6. Submit two letters of reference.
7. Submit a one page letter as to why you would like to enter the Natural Resources Program.

Letters of reference should be from employment or academic references who support the student's decision to enter the program.

Note:

It is not the intention of the above requirements to screen applicants, but rather to motivate candidates to seriously evaluate their career goals before applying for this rigorous academic program.

Diploma Level Admissions

Admission into courses in any one of these Diploma Levels requires successful completion of individual course prerequisites, or permission of the instructor.

*If you are planning to continue in the **Coastal Integrated Resources Management Diploma Option**, you will be required to have completed Chem 11 or Chem 040 prior to starting the diploma year.*

There are three options available at the Diploma Level:

1. Coastal Integrated Resources Management;
- Prince Rupert Campus only
2. Forest Technology*;
- Smithers and Terrace Campuses only (exception - Term V Smithers only); and
3. Integrated Resources Management*
- Smithers and Terrace Campuses only (exception Term V Terrace only)

* Note:

FOREST TECHNOLOGY OPTION or INTEGRATED RESOURCES MANAGEMENT OPTION Diploma Level.
It is important for you to set-up your schedule and Campus location with a Program Co-ordinator before registration.

HOW TO APPLY

Applications can be obtained from your local College centre and can be submitted at any time. Contact your nearest NWCC centre for current information on where to submit your application.

PROGRAM OUTLINES

CERTIFICATE LEVEL

Available at our Terrace, Prince Rupert (on-going) & alternating years at Hazelton or Houston Campuses.

In order to receive a CERTIFICATE students must obtain a minimum grade of "C-" in University Credit courses and a minimum grade of "C" in all other courses and have a minimum "C" average overall.

Note:

There may be some variation to the order in which courses are offered. Check with the campus you are planning to register with for up-dated information.

Term I - September - December

Italic indicates University Credit course.

See University Credit section for course descriptions.

BIOL 101-3	Biology I: Cells, Diversity and Physiology
COOP 100-2	Co-op Work Orientation - Optional
CPSC 111-3	Introduction to Computers - continues in Term II
ENGL 151-3	Technical Writing I
MATH 161-4	Applied Math
NRES 100-3	Outdoor Safety I - continues in Term II
NRES 110-2	Introduction to Natural Resources
NRES 152-4	Surveying
NRES 153-4	Silvics and Dendrology

Term II - January - April

Italic indicates University Credit course.

See University Credit section for course descriptions.

ANTH 111-3	First Nations of Canada
BIOL 102-3	Introductory Biology II: Genetics, Evolution and Ecology
CPSC 111	- Continued from Term I
GEOG 160-3	Physical Geography II: Geology, Geomorphology and Soils
NRES 100	- Continues from Term I
NRES 120-3	Cartography
NRES 130-4	Data Collection
NRES 140-3	Fish and Wildlife
NRES 150-2	Soil Physical Characteristics
NRES 290-6	Co-op Work Term I - Optional May-August

DIPLOMA LEVEL

Note:

There may be some variation to the order in which courses are offered. Check with the campus you are planning to register with for up-dated information.

Coastal Integrated Resources Management Option - Prince Rupert Campus only

In order to receive a DIPLOMA students must obtain a minimum grade of "C-" in University Credit courses and a minimum grade of "C" in all other courses and have a minimum "C" average overall.

Term III A - May

CIRM 101-2	Salmon Identification and Management
CIRM 102-2	Pacific Herring and Groundfish Identification
CIRM 103-2	Fisheries Regulations

Term III B - September - December

Italic indicates University Credit course.

See University Credit section for course descriptions.

BIOL 201-3	Invertebrate Zoology
CHEM 101-3	Introductory Chemistry I
CIRM 201-2	Shellfish Identification, Management and Testing Techniques
CIRM 202-1	Commercial Fishing Methods
CIRM 250-4	Coastal Integrated Resources Management I
GEOG 150-3	Physical Geography II: Biogeography, Meteorology and Climatology
NRES 225-3	Management Skills
OCGY 208-3	Introduction to Oceanography

Term IV - January - April

Italic indicates University Credit course.

See University Credit section for course descriptions.

ANTH 112-3	First Nations of British Columbia
BIOL 203-3	Non-Vascular Plants and Fungi
CHEM 102-3	Introductory Chemistry II
CIRM 203-4	Water Quality Testing Procedures
CIRM 204-1	Marine Mammals and Birds
CIRM 255-4	Coastal Integrated Resources Management II - Project
CIRM 490-6	Co-op Work Term II -Optional May-August
ENGL 152-3	Advanced Technical Writing II
MATH 131-3	Introduction to Statistics
OCGY 209-3	Introduction to Biological Oceanography

Term V - September - December*Italic indicates University Credit course.**See University Credit section for course descriptions.*

CIRM 301-3	Navigation, Chartwork, and Small Boat Safety
CIRM 302-4	Monitoring and Management of Marine Pollution
CIRM 303-4	Fish Habitat and Restoration
CIRM 304-4	Mariculture Methods (Aquaculture)
<i>GEOG 204-3</i>	<i>Introduction to Spatial Analysis and GIS</i>
NRES 215-3	Policy and Legislation
NRES 220-3	Tourism, Parks, Recreation
NRES 230-2	Wilderness Survival

Forest Technology Option*Term III & IV - Smithers & Terrace Campuses**Term V - Smithers Campus only*

In order to receive a DIPLOMA students must obtain a minimum grade of "C-" in University Credit courses and a minimum grade of "C" in all other courses and have a minimum "C" average overall.

Term III - September - December*Italic indicates University Credit course.**See University Credit section for course descriptions.*

<i>ENGL 152-3</i>	<i>Technical Writing II</i>
FRST 305-3	Integrated Resource Management
FRST 345-4	Resource Inventory
FRST 375-4	Silviculture I
FRST 377-4	Forest Engineering I
<i>GEOG 207-3</i>	<i>Soils and Hydrology</i>
<i>MATH 131-3</i>	<i>Introduction to Statistics</i>
NRES 210-3	Aerial Photo Interpretation
NRES 230-2	Wilderness Survival

Term IV - January - April*Italic indicates University Credit course.**See University Credit section for course descriptions.*

ANTH 112-3	First Nations of B.C.
FRST 310-3	Integrated Resource Management II
FRST 475-4	Silviculture II
FRST 477-4	Forest Harvesting
<i>GEOG 204-3</i>	<i>Introduction to Spatial Analysis and GIS</i>
NRES 215-3	Policy and Legislation
NRES 220-3	Tourism and Recreation
NRES 225-3	Management Skills
NRES 490-6	Co-op Work Term II - <i>Optional</i>
	<i>- May - August</i>

Term V - January - April - Smithers Campus only*Italic indicates University Credit course.**See University Credit section for course descriptions.*

FRST 259-3	Fire Science
FRST 362-3	Business Studies
FRST 461-4	Log Scaling
FRST 480-3	Forest Entomology
FRST 481-3	Forest Pathology
FRST 482-3	Forest Products
FRST 565-4	Silviculture III
FRST 578-4	Forest Engineering II

Integrated Resources Management Option*Term III & IV - Smithers & Terrace Campuses**Term V - Terrace Campus only*

In order to receive a DIPLOMA students must obtain a minimum grade of "C-" in University Credit courses and a minimum grade of "C" in all other courses and have a minimum "C" average overall.

Term III - September - December*Italic indicates University Credit course.**See University Credit section for course descriptions.*

<i>ENGL 152-3</i>	<i>Technical Writing II</i>
FRST 305-3	Integrated Resource Management
FRST 345-4	Resource Inventory
FRST 375-4	Silviculture I
FRST 377-4	Forest Engineering I
<i>GEOG 207-3</i>	<i>Soils and Hydrology</i>
<i>MATH 131-3</i>	<i>Introduction to Statistics</i>
NRES 210-3	Aerial Photo Interpretation
NRES 230-2	Wilderness Survival

Term IV - January - April*Italic indicates University Credit course.**See University Credit section for course descriptions.*

ANTH 112-3	First Nations of B.C.
FRST 310-3	Integrated Resource Management II
FRST 475-4	Silviculture II
FRST 477-4	Forest Harvesting
<i>GEOG 204-3</i>	<i>Introduction to Spatial Analysis and GIS</i>
NRES 215-3	Policy and Legislation
NRES 220-3	Tourism and Recreation
NRES 225-3	Management Skills
NRES 490-6	Co-op Work Term II - <i>Optional</i>
	<i>- May - August</i>

Term V - September - December - Terrace Campus only*Italic indicates University Credit course.**See University Credit section for course descriptions.*

<i>BIOL 211-3</i>	<i>Principles of Ecology</i>
<i>GEOG 150-3</i>	<i>Biogeography</i>
<i>GEOG 203-3</i>	<i>Geomorphology</i>
IRM 265-4	Biodiversity/Habitat
IRM 280-4	Fish Biology
IRM 285-4	Wildlife Biology

COURSE DESCRIPTIONS**ANTH 111-3.0: First Nations of Canada**

See the University Credit section for course description.

ANTH 112-3.0: First Nations of B.C.

See the University Credit section for course description.

BIOL 101-3.0: Introductory Biology I:**Cells, Diversity and Physiology**

See the University Credit section for course description.

BIOL 102-3.0: Introductory Biology II:**Genetics, Evolution and Ecology**

See the University Credit section for course description.

BIOL 201-3.0: Invertebrate Zoology

See the University Credit section for course description.

BIOL 203-3.0: Non-Vascular Plants and Fungi

See the University Credit section for course description.

BIOL 211-3.0: Principles of Ecology

See the University Credit section for course description.

CHEM 101-3.0: Introductory Chemistry I

See the University Credit section for course description.

CHEM 102-3.0: Introductory Chemistry II

See the University Credit section for course description.

CIRM 101-2.0: Salmon Identification and Management

This course focuses on the identification and management of salmon species in B.C. Topics covered include identification of the various salmon and trout species in B.C. as adults, fry, and smolts, the migration behaviour of different salmon species, the habitats required for each life cycle stage, methods for estimating spawning salmon stocks and making catch

estimates, management practices for salmon stocks, and the salmonid enhancement program. Prerequisite: Permission of instructor.

CIRM 102-2.0: Pacific Herring and Groundfish Identification and Management

This course focuses on the identification and management of Pacific herring and groundfish species in B.C. Topics covered include identification, life cycles, distribution, behaviour patterns, and catch estimates of herring species, identification and catch estimates of flatfish, rockfish, roundfish, and sharks, and herring and groundfish management practices. Prerequisite: Permission of instructor.

CIRM 103-2.0: Fisheries Regulations

This course focuses on the regulation and enforcement of the fishing industry. Topics covered include fishing boundaries, opening and closings, acts, regulations, and bylaws governing fishing, and conducting all aspects of an investigation into a fisheries violation. Prerequisite: Permission of instructor.

CIRM 201-2.0: Shellfish Identification, Management and Testing Techniques

This course focuses on the identification, management and testing techniques for shellfish species in B.C. Topics covered include identification of molluscs, crustaceans, and echinoderms, life cycle of shellfish, shellfish contamination, shellfish population surveys, managing shellfish stocks, and shellfish poisoning testing techniques. Prerequisite: Permission of instructor.

CIRM 202-1.0: Commercial Fishing Methods

This course focuses on the identification of the various types of commercial fishing operations carried out in B.C. Topics covered include identifying commercial gear types, understanding how commercial gear works, distinguishing between the different types of herring fisheries, distinguishing between the different types of aquaculture operations, getting fish to the market, identifying sport fishing gear and methods, and identifying aboriginal fishing gear. Prerequisite: Permission of instructor.

CIRM 203-4.0: Water Quality Testing Procedures

This course focuses on the procedures involved in testing marine water quality. Topics covered include testing techniques for acidity, alkalinity, carbon dioxide, pH, chlorinity, salinity, temperature, dissolved oxygen, BOD, dissolved nitrogen, dissolved phosphorous, water hardness, water turbidity, chlorophyll, fecal coliforms, chlorine, lignins and

tannins, and heavy metals. Prerequisite: Chem 11 or 040. (*Chem 101/102 highly recommended*) or permission of instructor.

CIRM 204-1.0: Marine Mammals and Birds

This course focuses on the identification of marine bird and mammal species in B.C. Topics covered include identification of cetaceans, pinnipeds, tubenoses, and gulls. Prerequisite: Permission of instructor.

CIRM 250-4.0: Coastal Integrated Resources Management I

An advanced course in coastal integrated resources management at the planning and field levels. Public processes and land use planning are discussed in detail, as well as applicable legislation and procedures in integrated resources planning. Prerequisite: Permission of instructor.

CIRM 255-4.0: Coastal Integrated Resources Management II - Project

This course provides students with hands-on experience in land use planning by completing a real life project in a teamwork atmosphere. Students are given responsibility to collect data and conduct research, and are expected to provide a detailed analysis of the results. Prerequisite: CIRM 250 or permission of instructor.

CIRM 301-3.0: Navigation, Chartwork, and Small Boat Safety

This course focuses on the use of marine charts, course plotting, and safe handling of small boats. Topics covered include navigation, charts and nautical measurements, navigational instruments, course-plotting and location finding, nautical rules of the road, boat inspection and maintenance, use of a boat trailer, boat handling in different water conditions, docking and anchoring, and emergencies at sea. Prerequisite: Permission of instructor.

CIRM 302-4.0: Monitoring and Management of Marine Pollution

This course focuses on the study of marine pollution, pollution monitoring, and the problems associated with different types of marine pollution. Topics covered include affects of pollutants on organisms, methods of monitoring pollutants, the Mussel Watch Program, sewage pollution and eutrophication, petroleum hydrocarbons, radioactive waste, organic pollutants, metals and mine tailings, pulp and paper processing effluents, and local pollution issues. Prerequisite: Chem 11 or 040. (*Chem 101/102 highly recommended*) or permission of instructor.

CIRM 303-4.0: Fish Habitat and Restoration

This course focuses on processes that influence fish habitat, habitat surveys and inventories, and habitat improvement and restoration. Topics covered include natural processes which affect habitats, the effects of resource development on fish habitats, measures used to prevent or control damage, signs of habitat degradation, stream surveying, habitat improvement and restoration, coastal habitat inventory, and the coastal forestry guidelines. Prerequisite: Permission of instructor.

CIRM 304-4.0: Aquaculture Methods

This course focuses on the development of mariculture in B.C. and the techniques employed in various mariculture facilities. Topics covered include finfish, crustacean, echinoderm, mollusc, and seaweed mariculture. Prerequisite: Permission of instructor.

CIRM 490-6.0: Co-op Work Term II

COOP 100-2.0: Work Orientation

This course, in a workshop format, involves students in role plays, seminars and practical assignments that prepare them to obtain suitable employment. Emphasis will be on preparation of resumes and covering letters and practising interview skills.

CPSC 111-3.0: An Introduction to Computers

See the University Credit section for course description.

ENGL 151-3.0: Technical Writing I

See the University Credit section for course description.

ENGL 152-3.0: Technical Writing II

See the University Credit section for course description.

FRST 259-3.0: Fire Science

Forest fire behaviour, effects and ecology are reviewed. Topics include fire prevention, detection, suppression, fuel loading, prescribed burning, and smoke management. Prerequisite: ENGL 151 or permission of instructor.

FRST 305-3.0:

Integrated Resource Management Planning I

This course introduces students to integrated resources management at the field level as well as the planning level. Public process and land use planning are discussed. Prerequisites: GEOG 160, BIOL 102, NRES 140, ENGL 151 or permission of instructor.

FRST 310-3.0:

Integrated Resource Management Planning II

This course provides students with hands-on experiences in land use planning by completing a real life project in a teamwork atmosphere. Students are given the responsibility to collect data and conduct research so that their IRM Plan is relevant. Prerequisites: FRST 305 or permission of instructor.

FRST 345-4.0: Resource Inventory

Students improve their timber cruising skills and learn new surveys and concepts related to forest measurements and mensuration. Topics include stratification, cruise design, check cruising, cruise compilation site index, forest inventory phases, growth and yield permanent sample plots, computer modelling, and AAC calculation. Prerequisites: NRES 120, NRES 130, NRES 152, NRES 153, and MATH 161. Corequisite: MATH 131 or permission of instructor.

FRST 362-3.0: Business Studies

This course is designed to give students a basic understanding of small business principles. Emphasis is placed on developing a Business and Marketing Plan and bidding on a project. Topics include entrepreneur traits, types of ownership, business start-up steps, legal obligations, financing, record keeping, preparation of bids, and contract management. Prerequisites: MATH 161, ENGL 151 or permission of instructor.

FRST 375-4.0: Silviculture I

This course introduces the student to the Practice of Silviculture in B.C. by examining an initial 7 components of this practice. Topics covered range from the application of ecosystem classification and environmental factors affecting seedlings, to planting project supervision and silvicultural surveys. Course emphasis is on field and practical applications. Silviculture 1 builds a foundation of knowledge and skills for Silviculture 2 and 3. Prerequisites: BIOL 101, BIOL 102, NRES 120, NRES 150, NRES 153, GEOG 160 or permission of instructor.

FRST 377-4.0: Forest Engineering I

This course is designed to familiarize the student with the basic concepts of forest road engineering as they relate to road construction and forest harvesting considerations. Topics discussed include soil classification and identification, forest road design, field location and surveying of forest roads, culvert and bridge design, construction and equipment applications and costing. Prerequisites: GEOG 160, NRES 120, NRES 150, MATH 161, FRST 152 or permission of instructor.

FRST 461-4.0: Log Scaling

Topics include scaling regulations, stick scaling, log grading, weigh scale sampling, and residue and waste surveys. Prerequisites: FRST 345, NRES 153 or permission of instructor.

FRST 475-4.0: Silviculture II

This course builds on topics and concepts introduced to students in Silviculture I. By the end of this course, students will be provided with the basic skills and knowledge required to challenge the Provincial Silvicultural Surveyor Accreditation exam, if desired. Topics covered range from vegetation management, forest health concerns during surveys, and treatment recommendation, to an introduction to silviculture systems and (pre-harvest) silvicultural prescriptions. Field trips will include an extended tour of forestry operations outside the region. Prerequisites: FRST 375 or permission of instructor.

FRST 477-4.0: Forest Harvesting

This course introduces the student to harvesting methods and equipment used in B.C. Topics include harvesting systems and phases, site constraints, costs, WCB safety regulations, industry organization structures, total chance plans, cutting permit documents, harvesting inspections, stumpage appraisal worksheets, and environmental concerns. Students prepare a Harvesting Plan and Schedule. Prerequisites: FRST 375, FRST 377, NRES 153 or permission of instructor.

FRST 480-3.0: Forest Entomology

Provides students with a working knowledge of forest insects. Topics include identification, life cycles, detection, damage, control and management. Prerequisites: BIOL 101, NRES 153 or permission of instructor.

FRST 481-3.0: Forest Pathology

Provides students with a working knowledge of forest diseases. Topics include identification, life cycles, detection, damage, control and management. Prerequisites: BIOL 101, NRES 153 or permission of instructor.

FRST 482-3.0: Forest Products

This course introduces students to various commercial woods of Canada with emphasis on those found in B.C. Topics include wood structure, identification, strength, physical properties, chemistry and products. Various products are discussed and visits are made to view manufacturing facilities and processes. Prerequisites: Permission of instructor.

FRST 565-4.0: Silviculture III

This course focuses on intensive and incremental stand tending treatments, as well as advanced partial cutting prescriptions. Students will practice making spacing, pruning and fertilization prescriptions, and will design, prescribe and layout a partial cut harvest block. Prerequisites: FRST 375, FRST 475 or permission of instructor.

FRST 578-4.0: Forest Engineering II

This course provides students with hands-on computer road design skills using Road Eng software and practical field skills in applying harvesting engineering theory in a field environment. Field projects will be managed by the students to further develop and practise their leadership skills. Prerequisites: FRST 377, FRST 477 or permission of instructor.

GEOG 150-3.0: Physical Geography I: Biogeography, Climatology and Meteorology

See the University Credit section for course description.

GEOG 160-3.0: Physical Geography: Geology, Geomorphology and Soils

See the University Credit section for course description.

GEOG 203-3.0: Geomorphology

See the University Credit section for course description.

GEOG 204-3.0: Introduction to Spatial Analysis & Geographical Information Systems

See the University Credit section for course description.

GEOG 207-3.0: Soils/Hydrology

See the University Credit section for course description.

IRM 265-4.0: Biodiversity/Habitat

Introduction to the concept of the sustainable land base. Application of methods in identifying and managing for environmental concerns such as biodiversity, critical habitat, genetic diversity, wildlife corridors, alternative forest ecosystem products, use of biodiversity guidelines and rare and endangered species. Detailed discussion about the traditional First Nations use and management of plants and other components of the forest ecosystem. Prerequisites: FRST 375, FRST 475, NRES 120, NRES 140, NRES 153 or permission of instructor.

IRM 275-4.0: Rehabilitation & Restoration

Methods of watershed, slope and landscape stabilization and rehabilitation, including hydrological, engineering and

revegetation solutions. Students will work in the field to examine the broader aspects of rehabilitation and restoration techniques and to analyse and formulate solutions to sites requiring stabilization and restoration. Prerequisites: GEOG 207 or permission of instructor.

IRM 280-4.0: Fish Biology & Management

A course in Biology regarding the methods and practice of fish management including on-site analysis of fish management problems associated with resource extraction. Prerequisites: NRES 140 or permission of instructor.

IRM 285-4.0: Wildlife Biology & Management

A course in the methods and practice of wildlife management including field study of management issues arising from natural and industrial disturbances to habitat and populations. Prerequisites: NRES 140 or permission of instructor.

MATH 131-3.0: Introduction to Statistics

Please see the University Credit section for the course description.

MATH 161-4.0: Applied Math

Topics include fractions, order of operations, proportion and rate, perimeter, area and volume, trigonometry, algebra, graphics, business math and statistics. Prerequisite: Math 11 or Math 040 with a minimum of C or satisfactory performance in the programs Math Placement test or permission of instructor.

NRES 100-3.0: Outdoor Safety

This course offers several certifiable and non-certifiable safety training modules necessary for effective and safe employment in outdoor occupations. Topics include emergency procedures, equipment checklists, radio operations, WHMIS, 4-wheel drive operations, ATV operations, powersaw operation and safety, helicopter safety, water safety, foodsafe, bear aware and heavy equipment safety. Prerequisites: Permission of instructor.

NRES 110-2.0: Introduction to Natural Resources

This course will provide an introduction to natural resource management. Issues of sustainability, balanced human use, ecologically responsible management and their implications will be explored. Prerequisites: Permission of instructor.

NRES 120-3.0: Cartography

This course introduces the student to basic drafting techniques, map reading, drafting skills and air photos. Prerequisites: Permission of instructor.

NRES 130-4.0: Data Collection

Students will be introduced to natural resource measurement and data collection skills relevant to forestry and other environment employment areas. Prerequisites: NRES 120, GEOG 160, MATH 161, NRES 152, NRES 153. Corequisite: NRES 120, GEOG 160 or permission of instructor.

NRES 140-3.0: Fish & Wildlife

Class and field work develop the student's perception of fish and wildlife signs and area usage. Habitat requirements are considered from a management perspective. Prerequisites: BIOL 101, ENGL 151, NRES 153. Corequisites: NRES 120, BIOL 102 or permission of instructor.

NRES 150-2.0: Soil Physical Characteristics

Students are introduced to the physical, chemical and biological properties, analysis, genesis and classification of soils with emphasis on factors which influence plant growth. Prerequisite/Corequisite: GEOG 160 or permission of instructor.

NRES 152-4.0: Surveying

This introductory surveying course provides the student with skills in compassing, horizontal distance measuring methods, leveling, closed traversing and area determination. Prerequisites: Permission of instructor.

NRES 153-4.0: Silvics & Dendrology

This course emphasizes tree, shrub and plant identification. The course will introduce the concept of plant associations, forest types and biogeoclimatic zoning of British Columbia. Assembly of a tree and shrub herbarium collection is the major course project. Prerequisites: Permission of instructor.

NRES 210-3.0: Aerial Photo Interpretation

This course is to refine student proficiency in air photo interpretation and transfer of photo detail to maps. A lesser emphasis will be placed on familiarizing the student to the science of remote sensing and how it can be used in resource management. Prerequisites: GEOG 160, NRES 120 or permission of instructor.

NRES 215-3.0: Policy & Legislation

Students will review the various B.C. Acts and Regulations pertaining to natural resources management. Current legislation and issues will be emphasized. Prerequisites: Permission of instructor.

NRES 220-3.0: Tourism & Recreation

This course emphasizes resource management considerations for recreation and tourism in northwest B.C. Topics include

wilderness and park management, visual quality objectives in travel corridors, awareness of tourism and recreation opportunities, resource conflicts, integrated resource management planning recreation site and trail planning, and local issues. Guest speakers are utilized to enhance learning of different tourism and recreation sector perspectives. Prerequisites: Permission of instructor.

NRES 225-3.0: Management Skills

Management skills is designed to enhance the students' understanding of human relations skills, supervisory skills, and leadership skills. Prerequisites: Permission of instructor.

NRES 230-2.0: Wilderness Survival

This is a skill module that teaches the student basic and advanced skills in wilderness survival. Students spend two nights practicing survival in cold weather. Prerequisites: Permission of instructor.

NRES 290-6.0: Co-op Work Term I**NRES 490-6.0: Co-op Work Term II****OCGY 208-3.0: Introduction to Physical, Chemical and Geological Oceanography**

See the University Credit section for course description.

OCGY 209-3.0: Introduction to Biological Oceanography

See the University Credit section for course description.

OFFICE ADMINISTRATION

(Kitimat, Smithers & Terrace Campuses)

The Office Administration program is designed to provide the learner with the knowledge and skills necessary to function effectively in an entry level clerical position in the business community. These programs are designed to serve the needs of full-time and part-time learners. The entry level certificate, Office Assistant, is designed such that, learners upon completion may enter the work force or continue on into an advanced level certificate in Office Technology. Each certificate level will take 5 months of full-time study to complete.

Provincial Learning Outcomes

Graduates of this program will have reliably demonstrated the ability to:

1. Compose messages, memos, letters, and short reports, correctly applying the fundamental principles of spelling, grammar, and punctuation.
2. Utilize active listening skills to accurately condense and record verbal information, instructions, and ideas.
3. Communicate verbally, using language that is appropriate to the intended audience.
4. Select, apply, and adapt computer software tools such as word processing, spreadsheet, data base, accounting, presentation, and desktop publishing, to business related tasks.
5. Transfer skills and knowledge of software, technology, and business systems from one situation to another.
6. Work collaboratively and cooperatively by applying a variety of team and communication strategies.
7. Share skills and knowledge with others in formal and informal learning situations.
8. Assess one's own thinking and that of others, recognizing fallacies, biases, misrepresentations, and unfounded conclusions.
9. Define and solve problems both independently and in teams, using a variety of creative problem-solving approaches.
10. Evaluate situations, make informed decisions, and initiate appropriate action.
11. Keyboard proficiently and accurately.

12. Apply standard records management procedures when establishing and maintaining systems to classify, organize, store, and retrieve hard copy and electronic files.
13. Analyze and record a variety of business financial transactions such as petty cash, bank deposits, accounts receivable, and accounts payable.
14. Apply computational skills to business-related tasks and assess the logic of the results.
15. Manage time effectively by setting goals, organizing, planning, prioritizing, and scheduling activities, routines, and projects.
16. Achieve business standards for efficiency and quality of work.
17. Articulate the importance of one's role in furthering the goals of the organization.
18. Apply ethical standards with respect to privacy, confidentiality, and personal behaviour.
19. Project a professional image.
20. Locate, select, evaluate, organize, and summarize information, using appropriate resources.
21. Set realistic personal and professional short- and long-term goals.
22. Assess and analyze personal learning needs; set learning goals and objectives; and formulate plans for implementation.

PART-TIME STUDIES

All certificate programs are designed to offer flexibility for the part-time student. Learners may vary their workload and timetable, and course selection to meet their own particular needs. Learners will be able to register in selected courses, but will not be eligible for a certificate until all certificate requirements are met.

ADMISSION REQUIREMENTS

1. Grade 10 *or* GED *or* English 030, *and*;
2. Math 030 *or* 031.
3. Learners who lack the formal Prerequisites may be admitted to the program; however, an interview with program personnel may be required.

ADVANCED STANDING

Learners will be given credit for prior learning obtained in high school, CCP, or other formal or informal learning.

HOW TO APPLY

Applications can be obtained from your local College centre. Contact your local Educational Advisor for admission dates.

DATES AND LOCATIONS

The following certificates are offered in Kitimat, Smithers and Terrace:

- Office Assistant Certificate
- Office Technology Certificate
 - Accounting Specialty
 - General Specialty
 - Word Processing Specialty
- Desktop Publishing Certificate
- General Office Clerk Certificate

Please see the following sections for more information on certificate offerings.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROGRAM OUTLINES

Office Assistant Certificate

- OADM 100-1 Student Success
- OADM 120-2.5 Grammar
- OADM 125-2 Written Communications
- OADM 130-1 Spelling
- OADM 140-1 Proofreading
- OADM 150-.5 Oral Communication
- OADM 160-.5 Electronic Communication
- OADM 165-.5 Job Search
- OADM 170-.5 Office Dynamics
- OADM 180-1 Records Management
- OADM 190-2 Business Machines
- OADM 200-.5 Keyboarding I (Speed 15 nwpm)
- OADM 205-.5 Keyboarding II (Speed 30 nwpm)
- OADM 210-1 Operating Systems
- OADM 220-1 Word Processing
- OADM 230-1 Database
- OADM 250-2 Keyboarding Applications
- OADM 260-.5 Business Simulation
- OADM 270-.5 Automated Office Simulation

Office Technology - Accounting Specialty

Office Assistant Certificate; and:

- OTEC 120-2 Accounting Fundamentals I
- OTEC 125-2 Accounting Fundamentals II
- OTEC 170-1 Introduction to Spreadsheets
- OTEC 175-2 Spreadsheet Applications
- OTEC 180-2 Computerized Acct. II

- OTEC 185-2 Computerized Acct. III*
 - OTEC 190-2 Computerized Acct. IV*
 - OTEC 195-2 Computerized Acct. V*
 - OTEC 200-2 Computerized Acct. VI
 - OTEC 202-2 Computerized Acct. VII*
 - OTEC 205-2 Computer Acct. Simulation
 - OTEC 220-1 Advanced Operating Systems
 - OTEC 275-2 Field Work
 - OTEC 280-1 Keyboarding VI (Speed 40 nwpm)**
- * Select one course from the four computerized accounting electives.
** Optional

Office Technology - General Specialty

Office Assistant Certificate; and:

- OTEC 115-3 Keyboarding III
 - OTEC 120-2 Accounting Fundamentals I
 - OTEC 125-2 Accounting Fundamentals II
 - OTEC 150-1 Communications III (Editing)
 - OTEC 170-1 Introduction to Spreadsheets
 - OTEC 175-2 Spreadsheet Applications
 - OTEC 275-2 Field Work
 - OTEC 280-1 Keyboarding VI (Speed 40 nwpm)**
- Select one course from Word Processing specialty and Accounting specialty to complete credit requirement of 14.
** Optional

Office Technology - Word Processing Specialty

Office Assistant Certificate; and:

- OTEC 115-3 Keyboarding III
- OTEC 120-2 Accounting Fundamentals
- OTEC 150-1 Communications III (Editing)
- OTEC 170-1 Introduction to Spreadsheets
- OTEC 210-3 Keyboarding IV
- OTEC 220-1 Advanced Operating Systems
- OTEC 235-2 Word Processing II
- OTEC 242-3 Word Processing Simulation
- OTEC 275-2 Field Work
- OTEC 285-1 Keyboarding VII (Speed 55 nwpm)

Distance Education

- OADM 130-1 Spelling
- OADM 180-1 Records Management
- OADM 190-2 Business Machines
- OADM 200-.5 Keyboarding I (Speed)
- OADM 205-.5 Keyboarding II (Speed)
- OADM 250-2 Keyboarding Applications
- OADM 260-.5 Business Simulation
- OTEC 120-2 Accounting Fundamentals I
- OTEC 125-2 Accounting Fundamentals II

As a full "Office Assistant Certificate" is not available by Distance Education, learners will need to travel to Kitimat, Smithers or Terrace to complete certificate requirements.

Desktop Publishing Certificate

DESK 200-2	Desktop Publishing I - Computer Management
DESK 210-2	Desktop Publishing II - Introduction to Desktop Publishing
DESK 220-2	Desktop Publishing III - Presentation Software
DESK 230-1	Desktop Publishing IV - Internet
DESK 240-3	Desktop Publishing V - PageMaker

General Office Clerk Certificate

This certificate is for mentally challenged persons, and is designed to provide the learner with some basic training in the area of Office Administration. The focus of the certificate is on transferable generic skills such as: learning how to learn, basic academic skills, technology literacy, teamwork skills, and problem solving skills.

ADMISSION REQUIREMENTS

1. Grade 4 reading level
2. Interview with the Special Needs Coordinator

PROGRAM OUTLINE

OADM 100-1	Student Success
OADM 110-2	Communications
OADM 115-2	Office Procedures
OADM 140-1	Proofreading
OADM 165-.5	Job Search
OADM 175-1	Interpersonal Skills
OADM 185-1	Alphabetic Filing
OADM 195-2	Machine Operations
OADM 200-.5	Keyboarding I (Speed 15 nwpm)
OADM 205-.5	Keyboarding II (Speed 30 nwpm)
OADM 215-2	Computer Literacy
OADM 225-3	Introduction to Integrated Software
OADM 255-2	Keyboarding
OADM 290-2	Practicum

COURSE DESCRIPTIONS

DESK 200-2.0: Desktop Publishing I - Computer Management

This course will provide the learner with detailed information on the following topics: Network maintenance/management; Windows 3.1/95 operations; Standalone PC maintenance/management; and Purchasing network vs. standalone, software, and hardware.

DESK 210-2.0: Desktop Publishing II - Introduction to Desktop Publishing

This course is designed to familiarize the learner with the concepts of desktop publishing. The learner will create, edit, format, and lay out sophisticated documents. The learner will become familiar with Typefaces, Tystyles, and Type sizes; Character Spacing, Special Characters; Page Design; Paragraph Formats; Columns; Page Numbers; Graphics; Lists, Tables, and Math; and Working with long documents.

DESK 220-2.0: Desktop Publishing III - Presentation Software

The learner will be able to create informative, high-impact presentations using Microsoft Publisher and/or PowerPoint. The learner will be able to: Build a slide presentation; Create a presentation in outline view; and Enhance the presentation with graphs and tables.

DESK 230-1.0: Desktop Publishing IV - Internet

This course will provide the learner with the basic uses of the INTERNET and provide an introduction to creating Web Documents—home pages.

DESK 240-3.0: Desktop Publishing V - PageMaker

This course is designed to develop desktop publishing skills using Pagemaker. The learner will develop professional publications including newsletters, advertisements, stationary, flyers, business cards, and announcements using Pagemaker and Microsoft Word for Windows. Prerequisites: DESK 210.

OADM 100-1.0: Student Success

This course is designed to help learners define their goals more clearly and provide learners with the tools necessary to help them achieve their goals. Learners will also be provided with the tools to help them develop the characteristics of critical thinkers. Prerequisites: None.

OADM 110-2.0: Communications

This course is designed to provide the learner with an in-depth familiarization of the basics of communication. Emphasis will be placed on the use of telephone, E-mail, and Facsimile transmission. The learner will also become efficient at using the library and a dictionary. Prerequisites: None.

OADM 115-2.0: Office Procedures

This course is designed to provide the learner with an introduction to basic procedures in the office. Emphasis will be placed on the banking system, and reading and filling out other business forms. Prerequisites: None.

OADM 120-2.5: Grammar

This course is designed to provide the learner with a solid grounding in English grammar by learning the eight parts of speech, punctuation, and capitalization. Prerequisites: None.

OADM 125-2.0: Written Communications

This course is designed to provide the learner with the basic skills and strategies for both analyzing situations and writing appropriate responses to those situations. Prerequisites: OADM 120.

OADM 130-1.0: Spelling

This course is designed to provide the learner with the skills to utilize the rules for: adding affixes to base words, most troublesome word endings, commonly misspelled words, plurals, possessives, and contractions. Prerequisites: None.

OADM 140-1.0: Proofreading

This course is designed to provide the learner with the skills necessary to: recognize the need for proofreading, be able to determine how/when to proofread, be able to produce error-free communication, recognize and apply common proofreaders' marks. Prerequisites: None, however, the learner should have a basic understanding of English grammar and reading skills.

OADM 150-0.5: Oral Communications

This course is designed to familiarize learners with basic techniques of oral communication and to use these techniques. Prerequisites: None.

OADM 160-0.5: Electronic Communications

This course is designed to familiarize the learner with the scope of electronic mail systems using the World Wide Web. Learners will use electronic communication to send and receive messages. Prerequisites: None.

OADM 165-0.5: Job Search

This course is designed to provide the learner with the skills and techniques to be able to look for employment. Prerequisites: None.

OADM 170-0.5: Office Dynamics

Office Dynamics is designed to assist learners to make a successful transition into new jobs and work roles. Human relations strategies are provided for improved communication, motivation, leadership, and personal attitude. Prerequisites: None.

OADM 175-1.0: Interpersonal Skills

This course is designed to provide the learner with the skills and knowledge to work independently and with a team. The emphasis will be on becoming a valuable team member. Prerequisites: None.

OADM 180-1.0: Records Management

This course will provide the learner with hands-on experience using a manual filing system. Emphasis will be placed on the common filing systems; however, all types of filing systems will be learned. Prerequisites: None.

OADM 185-1.0: Alphabetic Filing

This course is designed to provide the learner with the knowledge and skills to use an alphabetic filing system. Prerequisites: None.

OADM 190-2.0: Business Machines

This course is designed to equip the learner with the following skills: manual dexterity exemplified in speed and accuracy in performing addition, multiplication, subtraction, and division functions on electronic desk calculators; applying these skills in basic business mathematics problems on the calculators using the most efficient and accurate techniques possible; knowledge of reprographic imaging technologies and processes to make the right reprographic choice. Use other business machines commonly used in the modern office. Prerequisites: None.

OADM 195-2.0: Machine Operations

This course is designed to provide the learner with an in-depth knowledge of how to touch-key using an adding machine and how to use other office equipment. Prerequisites: None.

OADM 200-0.5: Keyboarding I (Speed)

This course is designed to give the learner the skills necessary to touch-key at a minimum speed of 15 net words per minute (NWPM), on either the typewriter or the computer keyboard with three or fewer errors on an average of three two-minute timings. Prerequisites: None.

OADM 205-0.5: Keyboarding II (Speed)

This course is designed to give the learner the skills necessary to touch-key at a minimum speed of 30 net words per minute (NWPM), on either the typewriter or the computer keyboard with three or fewer errors on an average of three five-minute timings. Prerequisites: OADM 200.

OADM 210-1.0: Operating Systems

This course is designed to provide the learner with the skills necessary to: identify parts of the computer, use DOS commands to create, copy, store, and delete files; use other DOS commands to customize and manage the hard drive; explore Windows. Prerequisites: None.

OADM 215-2.0: Computer Literacy

This course is designed to provide the learner with the basis for working with files on a computer. The emphasis will be on how to manage the hard drive using some of the basic DOS and Windows commands. Prerequisites: None.

OADM 220-1.0: Word Processing

This course provides an introduction to word processing. Learners will learn to create, store, and revise basic business documents using text enhancement, editing, and formatting features. Prerequisites: OADM 210.

OADM 225-3.0: Introduction to Computer Software

This course is designed to provide the learner with in-depth knowledge and skills for using an integrated software package. The learner will use a word processor, a spreadsheet, and a database. Prerequisites: OADM 215.

OADM 230-1.0: Database

This course is designed to introduce the learner to the concept of what a database does. Upon completion of the course the

learner will: identify a database; recognize database terminology; create, maintain, and query a database; design forms and create reports using a current database software. Prerequisites: OADM 210.

OADM 250-2.0: Keyboarding Applications

The learner will be able to create tables, business forms, various letter styles, reports, minutes, and manuscripts to current business standards. The learner will have the knowledge to format documents and handle postal and shipping services. Prerequisites: OADM 205.

OADM 255-2.0: Keyboarding

The learner will be able to key various letter styles, minutes, and manuscripts to current business standards. The learner will have the knowledge to format documents and handle postal and shipping services. Prerequisites: OADM 205.

OADM 260-0.5: Business Simulation

This course is designed to equip the learner with application skills of basic mathematical problems on the electronic calculator using a practice set. Prerequisites: OADM 190.

OADM 270-0.5: Automated Office Simulation

This course requires the learner to demonstrate proficiency in selected clerical activities by completing a number of tasks to the required business standard. Prerequisites: None, however, it is recommended that the learner have keyboarding and machine calculations skills, and a knowledge of letter formats and business forms.

OADM 290-2.0: Practicum

This course is designed to provide learners with practical, "real-life" work experience. Learners who have completed, or are expected to complete the program, will be placed with a local business/organization for a period of two weeks. Prerequisites: Completion of the General Office Clerk Certificate requirements.

OATEC 115-3.0: Keyboarding III

This course is a continuation of OADM 250, with emphasis on mailability of business documents. Topics to be covered include: complex centering, letters, boxed and ruled tables, forms, bibliographies, news releases, agendas, minutes, and legal documents. Speed requirement on completion: 50 nwpm. Prerequisites: OADM 250 and OADM 270.

OATEC 120-2.0: Accounting Fundamentals I

This course covers the study of accounting based on a service business organized as a sole proprietorship. Accounting principles and procedures are covered to the preparation of financial statements. The learner will be required to complete a project meeting industry standards. Prerequisites: None.

OATEC 125-2.0: Accounting Fundamentals II

This course is designed to provide additional knowledge in financial accounting techniques. Learners will study accounting procedures based on a merchandising business. They will complete accounting procedures for a proprietorship and a partnership. The learner will be required to complete two projects meeting industry standards. Prerequisites: OATEC 120.

OATEC 150-1.0: Communications III (Editing)

This course is designed to provide the learner with the skills required for controlling the accuracy and quality of documents. Emphasis will be placed on the mailability of a document. A mailable document is one that has been proofread thoroughly for appearance and format, accuracy of contents, and correctness of language usage, punctuation, and grammar. Emphasis is on the learner's ability to proofread documents accurately. Prerequisites: OADM 140.

OATEC 170-1.0: Introduction to Spreadsheets

This course provides the learner with a working knowledge of electronic spreadsheets. The learner will be able to design, create, and print simple spreadsheets using formulas, functions, and cut and paste commands. The learner will create and use a simple macro, and illustrate worksheet data in graphic form. Prerequisites: None.

OATEC 175-2.0: Spreadsheet Applications

This course provides an introduction to computerized accounting using an electronic spreadsheet. Learners will be able to establish company records, maintain daily transactions, and create financial statements. Prerequisites: OATEC 125 and OATEC 170.

OATEC 180-2.0: Computerized Accounting II

This course provides an introduction to computerized accounting using DOS-based software. The learner will be able to establish company records, maintain daily transactions using the general journal, maintain an audit trail, create and print financial statements. Prerequisites: OATEC 125.

OATEC 185-2.0: Computerized Accounting III

This course provides an introduction to computerized accounting using DOS-based software. The learner will be able to establish and maintain vendor accounts, print vendor statements, and create and maintain vendor aging reports. Prerequisites: OATEC 180.

OATEC 190-2.0: Computerized Accounting IV

This course provides an introduction to computerized accounting using DOS-based software. The learner will be able to establish and maintain customer accounts, print customer invoices and statements, and create and maintain customer aging reports. Prerequisites: OATEC 180.

OATEC 195-2.0: Computerized Accounting V

This course provides an introduction to computerized accounting using DOS-based software. The learner will be able to establish and maintain payroll accounts, and print payroll reports. Prerequisites: OATEC 180.

OATEC 200-2.0: Computerized Accounting VI

This course provides an introduction to computerized accounting using Windows-based software. The learner will be able to establish company records, maintain daily transactions using the general ledger, accounts receivable, accounts payable, and payroll features, and create financial statements. Prerequisites: OATEC 125.

OATEC 202-2.0: Computerized Accounting VII

This course provides an introduction to computerized accounting using DOS-based software. The learner will be able to establish company records, maintain daily transactions using the general ledger, accounts receivable, accounts payable, and payroll features, and create financial statements. Prerequisites: OATEC 125.

OATEC 205-2.0: Computerized Accounting Simulation

This course is designed to provide the learner with an opportunity to use the computer skills acquired. Emphasis will be placed on the learner's ability to use and understand a manual and computerized system. Prerequisites: OATEC 125 and one of the following OATEC 180/200/202.

OATEC 210-3.0: Keyboarding IV

This course covers the operation of a transcribing machine. Emphasis is placed on the fundamentals of spelling, grammar,

and punctuation to produce mailable copy. Speed requirement on completion: 55 nwpm. Prerequisites: OTEC 115.

OTEC 220-1.0: Advanced Operating Systems

This course is designed to introduce the learner to the more advanced procedures of a DOS operating system using the most recent version of DOS. Prerequisites: OADM 210.

OTEC 235-2.0: Word Processing II

This course is designed to familiarize the learner with some of the more popular features of the software. Some of the topics covered will be: Editing and Revising documents, Printing documents, outlining, line-numbering, speller and thesaurus, as well as mail merge. Prerequisites: OADM 220.

OTEC 242-3.0: Word Processing Simulation

This course is designed to provide learners with an opportunity to use the computer skills acquired. Emphasis will be placed on the learner's ability to use a word processor. Prerequisites: OTEC 235.

OTEC 275-2.0: Fieldwork

This course is designed to provide learners with practical work experience. Learners who have completed, or are expected to complete the program in the allotted time will be placed with a local business/organization for a period of two weeks. Prerequisites: Completion of Office Technology Certificate.

OTEC 280-1.0: Keyboarding VI (Speed)

This course is designed to give the learner the skills necessary to touch-key at a minimum speed of 40 net words per minute (NWPM), on the computer keyboard with three or fewer errors on an average of three five-minute timings. Prerequisites: OADM 205.

OTEC 285-1.0: Keyboarding VII (Speed)

This course is designed to give the learner the skills necessary to touch-key at a minimum speed of 55 net words per minute (NWPM), on the computer keyboard with three or fewer errors on an average of three five-minute timings. Prerequisites: OADM 280.

PROFESSIONAL COOK TRAINING

(Terrace Campus)

The Cook Training program is a 10 month course made up of time frames: Level I and Level II - 8 months and Level III - 2 months. Communications, interpersonal skills, decorum, professional ethics and standards will be a continuous goal throughout this program to ensure that Northwest Community College culinary students are adaptable to the many expectations of today's hospitality industry.

Professional Cook Training programs are available for individuals who wish to train for employment as cooks at a junior level in the food catering industry and for those already employed who wish to upgrade their skills or prepare for the Trades Qualification Certificate.

A program in General Cooking is available for students who wish to pursue a career in the hospitality industry. The Trades Qualification program is intended to help the student prepare for the Tradesmen's Qualification exam and has been designed so that the student can study at home while continuing to work.

The Upgrading Program provides students currently working in the industry with the opportunity to acquire the specific skills they need and is custom designed to meet the needs and skills of the student.

More detailed information on these programs can be found in the information booklet on Professional Cooking available at any College campus or high school.

ADMISSION REQUIREMENTS

1. English 10 or 030 or English assessment, and;
2. Math 10 or 030 or Math assessment.

Students should be aware that classes start at 6:30 AM and that if they live off-campus they will have to provide their own transportation to the centre since bus service does not start until 7:00 AM.

HOW TO APPLY

Applications are available from any College centre and may be submitted at any time.

DATES AND LOCATION

All programs are available at our Terrace Centre. The Professional Cooking Trades Qualification Program is available to students throughout the region and can be started at any time.

Students may (space permitting) enter the programs at any time. The best time to start the Entry Level programs is in the spring of each year since employment opportunities upon graduation would likely be more numerous.

FEES

In addition to normal fees (see General Information section) students will be required to supply shoes which conform to Workers' Compensation Board regulations, a set of knives, and pay a uniform cleaning fee of \$2.50/week.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

PROGRAM OUTLINES

Professional Cooking (Basic)

This 10 month program prepares people for employment as a cook or cook's assistant in all phases of the food catering industry. The program has a very high success rate for those individuals who wish to pursue a career in the food catering industry.

Topics presented in this program include:

- A) Vegetables and Starch Cookery
- B) Meats and Poultry Cookery
- C) Seafood Cookery
- D) Stocks, Soups and Sauces Cookery
- E) Meat, Poultry and Seafood Cutting
- F) Cold Kitchen
- G) Baking and Desserts
- H) Basic Food Service and Kitchen Management
- I) Egg and Breakfast Cookery
- J) Safety, Sanitation and Equipment - Level 1 only
- K) Health Care/Cook Chill

Professional Cooking Trades Qualification

(Home Study)

This program is designed for cooks who have worked in the industry for a number of years and wish to pursue their Trades Qualification Certificate. It is strongly recommended that those who wish to take the T.Q. exam contact the Employment Training Counsellor at the Ministry of Advanced Education and Job Training. The qualification requires proof of 4 years full time experience (8000 hours) in a kitchen with a varied menu.

The program is designed so students can study at home while continuing to work. Students are in regular contact with an instructor for assistance and guidance. The program contains 8 modules. Students master the contents of one module before moving on to the next.

Cooks who wish to upgrade their skills but are not yet ready to take the T.Q. exam are also welcome to enroll in this program.

Professional Cooking (Upgrading)

This program is for individuals who have been, or are currently working in the industry and want to upgrade their skills or acquire new ones, whether for personal pride, a necessary requirement of their employer, or for advancement within the industry. The content of the program is customized to meet the needs of the individual and is planned after an interview with the student. The length of the program depends on the individual needs and skills of the student.

UNIVERSITY CREDIT

*Full-time at Prince Rupert and Terrace Campuses.
Some UC courses are offered at our Hazelton,
Houston, Kitimat and Smithers Campuses.*

Northwest Community College offers two year Associate Degrees in Arts and Sciences.

These Associate Degrees may lead to bachelor degrees in different specializations at a university depending upon the requirements of that particular university.

All University Credit courses carry transfer credit to B.C. universities, university-colleges and other colleges. Students intending to acquire a bachelors degree at a university can complete their first two years of study at NWCC. First year courses are available on a full-time or selected offerings basis at several College centres. Studies have shown that students who transfer from community colleges to university do as well as, or better than, those who proceed directly from high school to university. Students who start at NWCC will realize significant financial advantages when compared to those who travel to university.

All University Credit courses offered by NWCC are open to qualified part-time students.

INTEGRATED PROGRAMS

Many University Credit (UC) courses are course requirements or electives in such diploma programs as follows:

- Applied Computer Technology
- Business Administration
- Early Childhood Education
- Integrated Human Services
- Natural Resources

These University Credit courses may be taken within each programs' full time offerings or as part-time courses with credit into these diplomas or degrees. Please consult the course listings for each program to determine the applicable courses.

ADMISSION REQUIREMENTS

1. Students coming directly from high school are expected to have Grade 12 graduation.
2. Students coming from Career & College Prep programs may use CCP courses in place of the equivalent high school courses.
3. Most science and math courses have specific prerequisites which must be met by prospective students. In some cases instructors will conditionally admit students lacking formal prerequisites. Students admitted conditionally are required to maintain satisfactory progress or they will be required to withdraw from the course.
4. Most first year Social Science and Humanities courses do not have specific prerequisites.

HOW TO APPLY

Applications are available from your local College centre and can be submitted at any time. Applications should be completed as early in the spring as possible. Applications for part-time studies should be submitted before the start of classes as listed at the front of this calendar. Students wishing to enroll part-time in an integrated program should consult with the applicable program.

ADVISING

Prospective students are encouraged to discuss questions about courses and programs with instructors or an educational advisor before registering. All College centres have information on programs available at most institutions in B.C. Students are strongly advised to make themselves aware of the requirements of the institutions to which they wish to transfer. The final responsibility for the selection of courses rests with the student.

TRANSFER CREDIT TO OTHER INSTITUTIONS AND PROFESSIONAL ORGANIZATIONS

A listing of established equivalencies can be found in the **B.C. Transfer Guide**, available through NWCC Educational Advising Offices, NWCC Library/Learning Resource Centre or view the Internet: <http://www.bccat.bc.ca>.

Note: Transfer credit may change as institutions adjust their offerings. Students are encouraged to obtain written confirmation of current transfer credit from the institution or organization to which they plan to transfer.

TRANSFER CREDIT FROM OTHER INSTITUTIONS TO NORTHWEST COMMUNITY COLLEGE

Students who have completed course work at other post-secondary institutions may be able to transfer credit towards a certificate, diploma and associate degree at Northwest Community College.

To request transfer credit, you must submit a letter of request noting the expected credit, along with an official transcript to the Registrar. This should be done well in advance of the start of your program at Northwest Community College.

DATES AND LOCATION

Classes start in September and January of each year on the dates listed in the front of this calendar. First year and selected second year courses are available in both Terrace and Prince Rupert. Some University Credit courses are available in other College Centres or in modular fashion through integrated diploma program offerings. Please check with any College Centre for detailed offerings.

FEES

Please see the General Information section.

FINANCIAL AID AND SPONSORSHIP

Please see the Financial Aid Sources section.

ASSOCIATE DEGREE REQUIREMENTS

The course/credit requirements for the associate degrees are as follows:

Associate Arts Degree (General)

A minimum of a "C-" grade is required in each course with an overall GPA of 2.0 or better. Students must apply with the Registrar to obtain an Associate Degree.

To obtain an Associate Degree in Arts (General), a student must complete a minimum of 60 credit hours (20 courses) as follows:

CLASSIFICATION	YEAR	NUMBER OF COURSES	CREDIT
English	1	2	6
Humanities*	1	2	6
Social Sciences	1	2	6
Arts Elective*	1	2	6
Arts Elective**	2	6	18
CpSc or Math or Stats	1 or 2	1	3
Lab Science Elective	1 or 2	1	3
Science Elective	1 or 2	1	3
Electives	1 or 2	3	9
TOTAL		20	60

* Other than English

** Two or more subject areas

Associate Science Degree (General)

A minimum of a "C-" grade is required in each course with an overall GPA of 2.0 or better. Students must apply with the Registrar to obtain an Associate Degree.

To obtain an Associate Degree in Science (General), a student must complete a minimum of 63 credit hours (20 courses) as follows:

CLASSIFICATION	YEAR	NUMBER OF COURSES	CREDIT
English	1	2	6
Mathematics (Calculus)	1	2	9
Science Electives*	1	6	18
Science Elective**	2	6	18
Arts Elective***	1 or 2	2	6
Elective	1 or 2	2	6
TOTAL		20	63

* Maximum 6 credits in one subject area

** Two or more subject areas

*** Other than English

For the purposes of Associate Degrees, the classification of courses is as follows:

Humanities

- Art History
- Art (Fine or Visual)
- Creative Writing
- Drama
- English
- French and other languages
- History
- Music
- Performing Arts
- Philosophy
- Religious Studies
- Women's Studies

Social Sciences

- Anthropology
- Archaeology
- Criminology
- Economics
- Environmental Studies
- First Nations
- Geography (Human)
- Political Science
- Psychology
- Sociology

Science

- Biology
- Chemistry
- Computer Science
- Environmental Sciences
- Geography (Physical)
- Geology
- Mathematics and Statistics
- Physics

COURSE DESCRIPTIONS

HOW TO READ THIS SECTION.

The number of credits for a particular course is shown as (i.e. **Anthropology 101-3.0**. The 3.0 after the course number is the credit. At the end of the course description is (3,0,0) - the 1st number is lecture hours per week, 2nd number is lab hours per week and 3rd number is seminar hours per week.)

In general, a one semester, 3 hour per week, course is equivalent to 3 credit hours and a science course consisting of 3 hours per week lecture and 3 hours per week laboratory is also equivalent to 3 credit hours.

Anthropology 101-3.0:

Introduction to Physical Anthropology and Archaeology

An introduction to human biological and cultural evolution. Students will examine the fossil record for human evolution as well as the behaviour of non-human primates in an attempt to understand what makes us human. Discoveries by archaeologists are also reviewed in tracing human cultural developments from the earliest stone tools to the emergence of the first civilizations. (3,0,0)

Anthropology 102-3.0:

Introduction to Social & Cultural Anthropology

With a global and comparative perspective the course will study a variety of customs and beliefs of people who are alive today or who lived in the recent past. Specific topics will include rituals, kinship, politics, economics, mythology, art and religion. (3,0,0)

Anthropology 111-3.0: First Nations of Canada

A course dealing with the nature and diversity of Canadian first nations traditional cultures and lifestyles. We will also examine the history of European colonialism in Canada and the impact it had on Canadian first nations peoples. Finally, we will review some of the important issues in contemporary first nations affairs. (3,0,0)

Anthropology 112-3.0: First Nations of British Columbia

This course is an introductory study of first nations 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)

Anthropology 201-3.0: Social Organization I

A survey of world cultures representing different ecological and sociological adaptations. Economic, social, political and religious systems will be examined. Special emphasis will be placed on an anthropological analysis of Canadian cultures. (3,0,0) Prerequisite: Introductory Cultural Anthropology or permission of instructor.

Anthropology 202-3.0: 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) Prerequisite: Introductory Cultural Anthropology or permission of instructor.

Anthropology 203-3.0:

First Nations of Northwest Coast I

This course begins with the prehistory and ethnography of the Northwest Coast. Particular issues for examination shall include defining culture areas, interpreting material culture and understanding ceremonial life. Focus shall be on the Tlingit, Haida, Tsimshian, Nisga'a, Gitksan and Haisla nations. (3,0,0) Prerequisites: Introductory Sociology or Cultural Anthropology or permission of the instructor.

Anthropology 204-3.0:

First Nations of Northwest Coast II

This course is a study of the cultures of the Aboriginal Peoples of the Northwest Coast. It begins with the prehistory and ethnography of the central and southern coast. Special topics shall include art and mythology. Contemporary issues such as social change, land claims and environmental issues are also addressed. (3,0,0) Prerequisites: Introductory Sociology or Cultural Anthropology or permission of instructor.

Anthropology 205-3.0:

Archaeology of Northern British Columbia

A survey of the archaeological record for northern British Columbia. Special topics include the initial settlement of the area by Native peoples and the subsequent rise of complex ranked societies on the northern Northwest Coast. This course will include a field trip to visit a local archaeological site.

Anthropology 209-3.0:

The Art of North American First Nations

This course is an introduction to the Arts of North American First Nations including the Northwest Coast, Athapaskan, Plateau, Plains, Woodlands, Great Lakes, and Southwest

regions. Specific topics include cross cultural definition of art, symbolism, and the social, political and religious elements of First Nations art.

Anthropology 210-3.0:

First Nations Art of the Northwest Coast

This course is an overview of Northwest Coast First Nations Art. Art forms from prior to contact through to the contemporary period will be examined. Specific topics will include the style and symbolic elements of Northwest Coast Art, the relationship between Northwest Coast First Nations Art forms and the social, religious and political economic structures of the producing cultures. The place of Northwest Coast Art in museums and in the marketplace shall also be examined. Some videos, a museum tour, and a village field trip, as well as visits from artists shall be included.

Biology 101-3.0:

Introductory Biology I - Cells, Diversity and Physiology

A basic introductory course in general biology. The course covers the diversity of life, introductory biochemistry and cell biology and introductory animal and plant physiology. Laboratories include the scientific method, microscopy and major kingdoms of organisms. Experimental techniques and observation skills are emphasized. (3,3,0) Prerequisite: Biology 11, Chemistry 11 highly recommended, or permission of the instructor. (*Commencing Fall/99, prerequisite will be Biology 11, Chemistry 11 or permission of instructor.*)

Biology 102-3.0:

Introductory Biology II - Genetics, Evolution and Ecology

A continuation of Biology 101. The course covers genetics, evolution and ecology. Laboratories include genetics, reproduction and development, evolutionary processes and ecology. Field trips, including a two day weekend trip, may be held. (3,3,0) Prerequisite: Biology 101 or permission of instructor.

Biology 131-3.0: Human Anatomy

This course is an examination of the principles of biology with reference to the human body. The structural organization of the body starting with cells and tissues and proceeding to the major body systems including the nervous, muscle, skeletal and integumentary system is examined. (3,0,0) Prerequisites: Chem 11 and Biol 12 or permission of the instructor.

Biology 132-3.0: Human Physiology

This course is the continued examination of the principles of Biology with reference to the human body. The course examines the physiology of the body including the functions

and regulations of the cardiovascular, endocrine, lymphatic, nervous and reproductive systems, and how these systems interact to maintain homeostasis, levels of metabolism and primary functions of the human body. (3,0,0) Prerequisites: Biol 131 or permission of the instructor.

Biology 201-3.0: Invertebrate Zoology

This course is an introduction to the invertebrate phyla. It provides an overview of the structure, function, evolution, diversity and ecology of invertebrate animals by examining the increasing complexity in form and function in the invertebrates and their evolutionary and ecological relationships. Examples emphasize marine, terrestrial and freshwater aquatic invertebrates. Laboratories include examination of the major groups of invertebrates and may include a weekend field trip to Prince Rupert. (3,3,0) Prerequisite: Biology 101/102 or equivalent.

Biology 202-3.0: Vertebrate Zoology

This course is an introduction to the chordates, in particular the Subphylum Vertebrata. It provides an overview of the structure, function, evolution, diversity and ecology of vertebrate animals. The increasing complexity in structure and function of tissue and organ systems and the relationships between the various levels of vertebrate complexity will be discussed. Laboratories include comparative examination of functional systems amongst the major groups of vertebrates, with dissection of representative forms. (3,3,0) Prerequisite: Biology 101/102 or equivalent.

Biology 203-3.0: Non-Vascular Plants and Fungi

This course is an examination of the biology of algae, fungi, lichens and bryophytes, including discussions of their origins, evolution, ecology and physiology. Laboratories will include examination of local flora wherever possible. Field trips may be scheduled. (3,3,0) Prerequisite: Biology 101/102 or equivalent.

Biology 204-3.0: Vascular Plants

A survey of the vascular plants including ferns and fern allies, conifers and other gymnosperms, and flowering plants. Cell structure and tissues of vascular plants are discussed as they relate to plant function. The origin and evolution of vascular plant structures and groups is emphasized. Laboratory studies will emphasize local plants and field trips may be arranged. (3,3,0) Prerequisites: Biology 101/102 or equivalent; Biology 203 is strongly recommended.

Biology 205-3.0: Cell Structure and Function

This course provides a detailed examination of all levels of cell structure and function. Emphasis is placed upon the

dynamic processes at the cellular level. Topics considered include biotechnology, prokaryote/eukaryote cells, membrane models, cell walls, cytoplasmic organelles, the nucleus, cell cycle and nucleocytoplasmic interactions. Laboratories emphasize experimental techniques in the study of cells. (3,3,0) Prerequisites: Biology 101/102; first year chemistry, Chemistry 230 is a pre-or corequisite.

Biology 206-3.0: Biochemistry

An examination of the fundamental principles of biochemistry, including protein structure and enzyme functions, cell energetics, biosyntheses, and mechanisms which control cell metabolism. The laboratories include detailed experimental analyses of the molecular functions of cells and tissues and methods of molecular biology. (3,3,0) Prerequisites: Biology 205; Chemistry 230 is a pre-or corequisite.

Biology 209-3.0: Genetics I

Biology 209 begins with the classical part of Genetics, namely Mendelian Genetics and basic Chromosome theory. Genetic linkage and changes in genetic information in the form of mutation is covered. The course concludes with a more detailed look at the structure and function of DNA and genes. (3,0,0) Prerequisites: Biol 101/102 or equivalent and first year Chemistry or permission of the instructor.

Biology 210-3.0: Genetics II

A continuation of Biology 209 with emphasis on the modern, molecular basis of genetics beginning with recombinant DNA technology and its application. A detailed examination of chromosome structure and gene expression follows. The mechanism of genetic change in the form of mutation, recombination and transposition is examined. Developmental biology is considered from a genetic point of view and finally, quantitative and population genetics is covered. (3,0,0) Prerequisites: Biol 209 or permission of instructor.

Biology 211-3.0: Principles of Ecology

An in-depth examination of basic ecological principles, including population and community ecology, food chains, succession, species diversity, genetic strategies, genetic diversity and impacts of management and disturbance on populations and communities. Discussions will include freshwater, marine, and terrestrial ecology. May include field lectures to illustrate ecological principles as applied to natural and disturbed populations and communities. Prerequisites: Biol 101, 102 or permission of instructor.

Chemistry 101-3.0: Introductory Chemistry I

In Chemistry 101, three topics will be covered. The first is a

review of general chemical principles. These principles include the stoichiometric description of chemical reactions as well as a brief history of chemistry as a science. Next, the microscopic description of the natural world, as it relates to chemistry, will be discussed. That is, atomic structure and chemical bonding will be considered. Finally, macroscopic chemistry will be investigated. This discussion will include conservation of energy as it applies to macroscopic chemistry, that is, in terms of thermodynamics. It will also include a description of the various states of matter, namely, gases, liquids and solids. (3,3,0) Prerequisites: Chemistry 11 and Math 11 or permission of the instructor. Strongly recommended working knowledge of Math 12 would be an asset.

Chemistry 102-3.0: 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 11 and Math 11 or permission of the instructor. Strongly recommended working knowledge of Math 12 would be an asset.

Chemistry 121-3.0: Principles of Chemistry I

Chemistry 121 is designed for students with grade 12 chemistry and mathematics. A working knowledge of stoichiometry and other basic chemistry skills is assumed. In Chemistry 121, four topics will be covered in depth. The first two topics deal with the microscopic description of the natural world as it relates to chemistry. In particular, in the first topic, atomic structure, relations between the electronic structure of atoms and the periodic table are discussed while in the second topic, this electronic structure is applied to chemical bonding in molecules. The last two topics deal with some aspects of macroscopic chemistry. In the third topic is a discussion of the phases or states of matter, namely, gases, liquids and solids, while the fourth topic, inorganic chemistry, is a description of the properties and reactions of metals and non-metals. (3,3,0) Prerequisites: Chemistry 12 and Math 12 or equivalent, or permission of the instructor. Corequisites: Math 101 (Calculus) or permission of instructor. High school pre-calculus or Calculus strongly recommended.

Chemistry 122-3.0: Principles of Chemistry II

Chemistry 122 is a continuation of the study of chemical principles initiated in Chemistry 121. This continuation consists of three topics, namely, thermodynamics, a quantitative description of chemical reactions and a survey of organic chemistry. In the first topic, the four laws of thermodynamics will be discussed with particular emphasis on their application to chemical reactions. The second topic deals with the time dependence of chemical reactions, both short times, chemical kinetics, and long times, chemical equilibrium. The final topic includes nomenclature, structure and properties of simple organic compounds as well as a description of some reactions associated with various organic functional groups. (3,3,0) Prerequisite: Chemistry 121 or equivalent or permission of the instructor. Corequisite: Math 102 (Calculus) or permission of instructor. High school pre-calculus or Calculus strongly recommended.

Chemistry 230-3.0: Organic Chemistry I

This course provides students who have taken first year chemistry with an in depth introduction to organic chemistry. Topics included in this course are a detailed study of the properties and reactions of alkanes, alkenes, alkynes, aromatics, arenes and alkyl halides. (3,3,0) Prerequisites: Chemistry 101/102 or Chemistry 121/122 or permission of the instructor.

Chemistry 231-3.0: Organic Chemistry II

This course is a continuation of the in depth introduction to organic chemistry begun in Chemistry 230. Topics included in this course are a detailed study of the properties and reactions of alcohols, ethers, carboxylic acids, aldehydes, ketones, amines, phenols and carbohydrates. (3,3,0) Prerequisite: Chemistry 101/102 or Chemistry 121/122 or permission of the instructor.

Computer Science 111-3.0: An Introduction to Computers

Computer Science 111 is designed for the student with little or no previous exposure to computers. The course will help students understand in a general way how computers work, how to work with computers, and how to use commercially prepared software packages such as spreadsheets, word processing programs, and databases to solve problems of common interest. An important part of the course is the weekly three-hour laboratory session, which complements the theoretical material of the lectures with concrete hands-on practice. (3,3,0) Prerequisite: Math 11 or permission of instructor. Students with previous knowledge of computers are encouraged to register instead for one of the more advanced courses in Computer Science.

Computer Science 112-3.0:

Problem Solving with Computers

Programming is a skill which allows a person to use a computer to most effectively meet unique needs. Pascal is a modern, powerful language suitable for business, professional and scientific programming. The language is available in a standardized form for many computers. This course will introduce programming techniques and the technical details of Pascal. Weekly lab sessions provide students with an opportunity to use a computer to gain experience with the concepts presented in lectures. Additional computer time is available to students in the evenings and on weekends. (3,3,0) Prerequisite: Computer Science 111 with a minimum C+ or Math 12 or Computer Science 12 or permission of the instructor.

Computer Science 121-3.2: Programming in Pascal

A rigorous introduction to programming for those who are considering further study in computer science, engineering, the sciences, or those who wish to develop the programming skills necessary for the solution of sophisticated problems. Topics presented include algorithms, techniques of program development and testing, control structures, procedures and functions, recursion, text file input and output, ordinal data types, arrays, records and sets. (3,3,0) Prerequisite: Math 12 or permission of instructor.

Computer Science 122-3.0:

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: Minimum grade of C in Computer Science 121.

Computer Science 131-3.0:

Introduction to FORTRAN Programming

This course provides science and engineering students with an introduction to structured Fortran programming. Topics presented include data types, subroutines and functions, looping statements, conditional statements, format statements, common blocks and file input and output. The emphasis in this course will be placed upon applying structured Fortran programming to relevant science and engineering problems. As well this course will emphasize modular programming. (3,3,0) Prerequisite: Math 12 or permission of instructor. Recommended high school pre-calculus or calculus.

Economics 111-3.0: Principles of Microeconomics

A detailed study of sectors of the Canadian economy and of economic policies in Canada; monetary and financial issues will be presented in various contexts and from various viewpoints traditional microeconomic theory (of the firm, industrial organization, consumer and price behaviour, allocation of resources) will be analyzed in its ramifications and placed in a realistic context. (3,0,0)

Economics 112-3.0: Principles of Macroeconomics

We will engage in an analysis and discussion of major concepts, theories, perceptions and policies related to: how the system works, how wealth is created and distributed, why there are business cycles, how government intervention affects us, how markets work, why trade is important, why we speak of developed and underdeveloped areas. Theoretical tools and conceptual models from various schools of thought will be used as guidelines and will be tested for validity. (3,0,0)

English 101-3.0: Introduction to Composition

In this course students develop necessary academic reading and writing skills. Basic composition skills are practiced through in-class and out-of-class assignments. There is a major focus on the academic research essay. (3,0,0)

English 102-3.0: Introduction to Literature

This course is a survey of representative examples of prose fiction, poetry and drama. Composition skills are also practiced through the writing of critical essays on literature. (3,0,0)

English 151-3.0: Technical Writing I

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) Prerequisite: English 12 or permission of instructor.

English 152-3.0: Advanced Technical Writing II

Advanced development of English communications skills for career and technical work settings. Applications include technical report writing, field notes, long technical reports, presentation skills, proposal writing and topics relevant to the professional work place. (3,0,0) Prerequisite: English 151 or equivalent or permission of instructor.

English 201-3.0 English Literature 1300 - 1650

A survey of major writers from Medieval times to 1660. Prerequisite: English 101/102 or permission of instructor.

English 202 - 3.0 English Literature 1650 - 1880

A continuation of English 201 from 1660 to the 20th century. Prerequisite: English 101/102 or permission of instructor.

English 203-3.0: Canadian Literature 1832-1914

The English Literature of Canada from the early 19th Century to World War I. Reading and discussion of works by Susanna Moodie, Duncan Campbell Scott, Stephen Leacock, and others. Written assignments based on the works read. (3,0,0) Prerequisite: English 101/102 or permission of instructor.

English 204-3.0: Canadian Literature 1914-1990

The English literature of Canada from World War I to the present (including some French Canadian Literature in translation). Written assignments based on the works read. (3,0,0) Prerequisite: English 101/102 or permission of instructor.

English 207-3.0:**Introduction to First Nations Literature in Canada**

A study of First Nations Literature in Canada, from oral traditions to novels, poetry, drama and essays.

English 208-3.0:**Introduction to Multicultural Literature in Canada**

A study of multiculturalism in literature in Canada.

English 209-3.0: Creative Writing I

Reading and criticism of student writing. Lyric poetry, short fiction, myths, autobiography, local history and journalism. (3,0,0) Prerequisite: English 101/102 or permission of instructor.

English 210-3.0: Creative Writing II

A continuation of English 209. (3,0,0) Prerequisite: English 209 or permission of instructor.

English 224-3.0: Women and Literature I

Through study of several literary genres and feminist literary criticism, this course will examine the ways in which women are represented and have contributed to the literary tradition. Written assignments based upon the works read. (3,0,0) Prerequisite: English 101/102 or permission of instructor.

English 225-3.0: Women and Literature II

This course is a continuation of English 224. (3,0,0) Prerequisite: English 101/102 or permission of instructor.

Geography 110-3.0: Man and the Environment

This course provides a scientific overview of important global and local environmental problems. The course examines the major ecosystems of the world and considers how changes in human activities, technology and population growth affect the health of natural ecosystems. (3,0,0)

Geography 111-3.0: Introduction to Human Geography

This course introduces the various subfields of human geography. It provides a solid foundation for students who are interested in pursuing a career in urban planning, politics, economics, teaching and social sciences. Some of the topics examined include map use, populations and cultures, political systems, spatial behaviour, natural resources, urbanization and the nature of regions. (3,0,0)

Geography 150-3.0: Physical Geography I: Biogeography, Meteorology and Climatology

An interesting overview of the physical environment and its relationship to human culture and impacts of human activities. Principal topics covered include: cartography and remote sensing, meteorology, climatology, global environmental problems, and biogeography. Laboratory experience will focus on map skills and methods in meteorology and biogeography. Field trips to examine local features and to collect data are required and may be scheduled on weekends. (3,3,0)

Geography 160-3.0: Physical Geography II: Geology, Geomorphology and Soils

The study of landforms, geological processes, soils, and their impact on human culture. Emphasis is to be placed on the description of soils and landforms and the processes which form them. Examples from throughout the world are studied. Laboratory experience focuses on soils, fossils, map and air photo skills and field examinations of landforms. Field trips to examine local features and to collect field data are required and may be scheduled for weekends. (3,3,0)

Geography 201-3.0: Environmental Climatology

Environmental climatology is an examination of the boundary layer climate and its impact upon the microclimates of ecosystems throughout the world. Discussion includes both natural systems and modified features and examines the impacts of microclimatic changes initiated by human activities. Laboratories include methodology in measurement of microclimates and field trips to quantify microclimatic differences between ecosystems or associated with human modification of landscapes. (3,3,0) Prerequisites: Biology 101/102 and/or Geography 150/160 or equivalent first year sciences.

Geography 202-3.0: Geography of Ecosystems

This course is an examination of the environmental factors that control the distribution and development of ecosystems, including climatic and geological change. The course emphasizes plant ecology, the structure and functioning of ecosystems, ecosystem strategies relative to soil and climatic conditions, and includes discussion of the effects of disturbance and management on natural and altered systems throughout the globe. Laboratories include investigations of ecosystem characteristics, biomass structures, soils, and impacts of disturbance. Field trips, including one-day weekend surveys, may be held. (3,3,0) Prerequisites: Geography 150/160 and/or Biology 101/102 or equivalent first year sciences or permission of instructor.

Geography 203-3.0: Geomorphology

Geomorphology is a one-semester course that attempts to provide a comprehensive examination of the natural processes that are active in shaping the face of this and other planets. This course will emphasize the basic principles of geomorphology and will allow students to develop some of the skills that are necessary for field work in the environmental sciences. Local field trips and laboratory assignments are an important part of this course. Geomorphology is of particular relevance to students who intend to major in Geography, Geology, Forestry, Agriculture or Ecology. (3,3,0) Prerequisites: Geography 150/160 or equivalent first year sciences or permission of instructor.

Geography 204-3.0: Spatial Analysis and Geographic Information Systems (GIS)

An introduction to the theory and practical applications of analytic techniques used to study spatial information in Geography and other disciplines. The types of spatial data that exist together with methods of collection in the field and analysis of spatial data using statistical methods are examined. Concepts associated with integrating spatial data in Geographic Information Systems (GIS) are presented as well as techniques used in planning and resource management. Laboratories emphasize gaining practical skills in analyzing spatial data with computers. This course is relevant to all students who deal with spatial information including those interested in Geography, Biology, Ecology, Forestry and Environmental Sciences. (3,3,0) Prerequisites: Computer Science 111 or equivalent computer skills, Geography 150/160 and/or Biology 101/102 or equivalent first year sciences or permission of instructor.

Geography 207-3.0: Soils/Hydrology

An examination in detail of hydrological processes and their

relationships to ecosystems structures, soils and watersheds. Lectures, laboratories and field work will emphasize the impacts of natural processes, management and disturbance upon the hydrological balance and the characteristic reactions and properties of specific soil types to disturbance and hydrological changes. Methods of prevention of soil degradation and mass wasting associated with resource extraction are examined in detail in the lectures and laboratories/field work. (3,3,0) Prerequisites: Geography 150/160 or permission of instructor.

Geography 225-3.0: Regional Geography of British Columbia

Using the concepts and methods of regional geography, this course examines British Columbia in terms of the patterns of its physical and human landscapes. The interaction of climate, geology, biogeography, history, resource utilization, settlement and economic activities are the foundation for discussion of the regions of B.C. and the relationship of the Province to the remainder of Canada, North American Pacific Coast and the Pacific Rim. (3,0,0) Prerequisites: 15 first year credits or permission of the instructor.

Geography 226-3.0: Regional Geography of Canada

This regional geography course examines Canada in terms of the patterns of its physical and human landscapes. The interaction of climate, geology, biogeography, history, resource utilization, settlement and economic activities are utilized in the discussion of the regionalization of Canada and the resulting interregional and international relationships. (3,0,0) Prerequisites: 15 first year credits or permission of instructor; Geography 225 strongly recommended.

Geology 157-3.0: Introduction to Northwest Geology

Introduction to the earth science with particular emphasis on the geology of the Northwest. Topics to be studied will include the history and structure of the Earth, rocks and minerals, ore deposits and economic minerals, fossils, volcanic geology, geology of the Northwest, glacial geology and origin of local landforms. Anticipated field trips may include some of the following: trips to the Tseax lava flow, a local glacier, one or more mineralized areas, and a historical geology/regional structure trip. (3,3,0)

Geology 158-3.0: Historical Geology

A course dealing with the history of the earth and the development of life. Emphasis will be on the history of North America, especially the Mesozoic and Cenozoic histories of British Columbia. Topics will include geologic time, stratigraphy, sedimentation, correlation, plate tectonics,

interpretation of geologic history, geologic maps, common fossils and their evolutionary patterns and processes of fossilization. Field work is required and will involve investigations of sedimentary rock units and fossil deposits in the Kitimat, Kalum and Bulkley Valleys. Field work and necessary laboratory work will be arranged on weekends. (3,3,0)

History 103-3.0: Europe from the 1820's to the 1890's

The course is designed as an introduction to the characteristic features of society, economics and politics. It will be a comparative analysis of structures and decision making in Britain, France, Germany and Russia and will emphasize relations between the rulers and the ruled. The revolutions of 1848, the formation of working class consciousness, the new imperialism of the late nineteenth century.

History 104-3.0: Europe 1917 to 1948

In the form of a comparative analysis this course will focus on major political and socio-economic developments in Germany, the Soviet Union and Italy. It will include discussion of salient aspects of communism, nationalism, socialism and fascism and of the background to the Second World War.

History 105-3.0: Canada to the Mid-Nineteenth Century

This is an attempt to make the more remote past of this country meaningful to us today. We will examine the interrelationship between native people and newcomers, the nature of French Canadian society and the politics of economic and social development in Ontario.

History 106-3.0: Canada Since the Mid-Nineteenth Century

We will study and discuss primarily the collective life experiences of Canadians (natives, immigrants, workers, women) in the context of economic conditions (including two great depressions) and we will analyze political responses to them.

History 201-3.0: Imperialism from the Mid-19th Century to the Present

We shall be dealing with a variety of notions, theories and analysis (from Lenin to current discussions) to find out about the historical origins and socio-political implications of empire building (by European countries and the U.S.). We shall examine general policies and individual events, economic and other statistical data in order to explain two world wars, changes in the nature of society and the relations of developed with underdeveloped countries in the past and in the present. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

History 205-3.0: European Imperialism in Africa, 1860-1960
European imperialism in Africa from 1860 - 1960 and onwards, under its contending ethnic philosophies and practices; the historical sequence in European rivalry, partition, colonialism and neocolonialism, as governing influences in continuing African determination of nationhood and nationalism; apartheid in South Africa as a particular development within the period. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

History 209-3.0: History of Native People of Canada
A review of the history of Aboriginal People of Canada from the time of contact to today. Late pre-contact cultures, military alliances, treaties, land claims and settlements, comprehensive claims and self government will be discussed. The Indian act will be dealt with in some detail. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

History 210-3.0: History of Western Canada
A review of the political, social and economic history of the Prairie Provinces and British Columbia. Immigration, Native Peoples, industrial, agricultural and resource development will be discussed. Urbanization and transportation will be a focus. The development of regional protest political parties will be reviewed. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

History 213-3.0: History of British Columbia
A survey of the social, economic, political and cultural development of British Columbia from 1700 to the present day. (3,0,0)

History 215-3.0: History of the United States to 1865
A political, economic and social review of the events and forces that shaped the development of the United States from a colony through to a nation torn by Civil War. (3,0,0) Prerequisites: First year History (6 credits) or 15 first year credits or permission of instructor.

History 216-3.0: History of the United States After 1865
A history of the political, economic and social development of the United States in the late nineteenth and twentieth centuries. (3,0,0) Prerequisites: First year History (6 credits) or 15 first year credits or permission of instructor.

History 231-3.0: Germany in the 20th Century
We will identify and analyze the driving forces in German

society and politics under the Kaiser, in the Weimar Republic, under Hitler and in the two Germanies after 1945 and we will study how major foreign powers attempted to deal with the German question. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

History 241-3.0: The Soviet Union, 1917-1990
We will study and analyze major political and socio-economic developments from the days of the October Revolution (and its background conditions) to Gorbachev. Significant attention will also be given to the problem of socialism - theory and practice. (3,0,0) Prerequisites: 1st Year History (6 credits) or 15 first year credits or permission of instructor.

Math 101-4.5: Calculus I: Differential Calculus
An introduction to the fascinating theory and powerful techniques of calculus, tailored to the needs of students intending to major in science or engineering. The topics treated include limits, derivatives, techniques of differentiation, related rates, curve sketching, optimization, root finding, differentials, and trigonometric, logarithmic and exponential functions. (4.5,0,0) Prerequisite: Mathematics 12 with a grade of C or better, or permission of instructor. Calculus 12 is recommended.

Math 102-4.5: Calculus II: Integral Calculus
This course introduces the notion of integration, and applies the process to solve problems such as those of calculating the areas of regions with curved boundaries and the volumes of solids enclosed by curved surfaces, averaging quantities which vary in time, and determining completely specific expressions for functions when only relations among their rates of change are given. Students reaching the end of the course will be rewarded with a look at the theory of infinite series. (4.5,0,0) Prerequisite: A grade of C or better in Math 101 or its equivalent, or permission of the instructor.

Math 111-3.0: Pre-Calculus I
This course includes all the algebra topics necessary for calculus including function algebra, graphing, polynomials and rational functions, logarithmic and exponential functions. (4.5,0,0) Prerequisite: C or better in Math 11 or its equivalent or permission of instructor.

Math 112-3.0: Pre-Calculus II
This course is subsequent to Math 111. Together with Math 111 this course will provide the student with all the skills necessary to enroll in Math 101. Topics include trigonometry, sequences and series, and analytic geometry. (4.5,0,0) Prerequisite: C or better in Math 111 or permission of instructor.

Math 131-3.0: Introduction to Statistics

An introduction to statistical methods. 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: Math 11 or its equivalent or permission of instructor.

Math 140-3.0: Finite Mathematics

Includes linear programming, matrix algebra, mathematics of finance, basic probability and statistics. Prerequisite: C+ in Math 11 (3,0,0)

Math 141-3.0: Calculus I for Social Services

An introduction to mathematical techniques relevant to those students intending to major in commerce, economics and the social sciences. Topics presented include derivatives and rates of growth, techniques of differentiation, differentials, optimization, exponential, logarithmic and trigonometric functions, antiderivatives. Not eligible for science credit. Students may not obtain credit for both Math 101 and Math 141. (3,0,0) Prerequisite: Math 12 or its equivalent or permission of instructor.

Math 145-3.0: Calculus II for Social Sciences

Integral calculus and its application, including differential equations and application to business and economics. Introduction to multivariable calculus. (3,0,0) Prerequisite: Math 12 or equivalent.

Math 190-4.0:**Principles of Mathematics for the Elementary Teacher**

This course will help the prospective elementary teacher understand the mathematical principles of elementary level mathematics. Topics covered will include: sets, functions and logic, whole number, fractional number, and rational number systems, geometry, and probability and statistics. Students should note this is neither a skills nor a methods course. (4,0,0) Prerequisites: Math 11 or permission of the instructor. Students may not receive credit for this course if they are enrolled in any other university level mathematics course.

Oceanography 208-3.0: Introduction to Physical, Chemical and Geological Oceanography.

This course introduces the history, methodology and fundamental principles of Geological Oceanography. Some of the topics covered include: history and development of oceanography; methods; ocean basin structure; properties of sea water;

salinity, temperature and density distributions; circulation; waves and tides; acoustics; the oceans and climates. (3,0,0) Prerequisites: First year science or permission of instructor.

Oceanography 209-3.0:**Introduction to Biological Oceanography.**

This course introduces the history, methodology and fundamental principles of Biological Oceanography. Some of the topics covered include: biological ocean; phytoplankton; zooplankton; benthos; fisheries and aquaculture; marine sediments; marine resource and pollution of the sea. (3,0,0) Prerequisites: First year science or permission of instructor.

Philosophy 101-3.0: Introduction to Philosophy

An attempt to deal with the problems of humans through an analysis of some of the problems of philosophy. The course includes an introduction to philosophical inquiry, human behaviour, mind-body problem, knowledge and certainty. (3,0,0)

Philosophy 102-3.0: Moral Philosophy

An introduction to central concepts in moral philosophy including considerations of obligation, responsibility, and justice. (3,0,0)

Physics 101-3.0: Introduction to Physics I

This course provides science and engineering students who have not taken Physics 12 with a general introduction to Classical Physics. The topics surveyed in this course are vectors, Newtonian Mechanics, properties of materials and thermodynamics. The various physical laws, for example, Newton's universal law of gravity and conservation of mass, energy and momentum, will be discussed using the principles of calculus. However, problems and exams will not require calculus for their solutions. (3,3,0) Prerequisites: Physics 11 and Math 11 (Math 12 recommended) or the permission of instructor.

Physics 102-3.0: Introduction Physics II

Physics 102 is a continuation of the survey of classical physics begun in Physics 101. The topics covered in this course are electricity and magnetism, waves and an introduction to modern physics. In the first topic, electrostatics, steady state currents and magnetism will be discussed while, in the second topic, waves on wires, sound waves and light waves will be considered. Finally, an introduction to relativity and quantum physics will be presented as the last topic. The concepts described in this course will be discussed using the 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.

Physics 121-3.0: Advanced Physics I

This course provides science and engineering students who have taken Physics 12 with a detailed investigation of Newtonian Physics. The topics covered in depth in this course are Newtonian Mechanics of few bodies, namely, thermodynamics. In the first topic, translational and rotational statics and dynamics will be discussed in terms of forces, torques and energy while, in the second, thermodynamics will be presented from the point of view of conservation of energy and atomic theory. The various physical laws will be discussed using the principles of differential calculus. Problems and exams will require differential calculus for their solutions. (3,3,0) Prerequisites: Physics 12 and Math 12 (High school pre-calculus or calculus recommended) or permission of instructor. Corequisite: Math 101 or permission of instructor.

Physics 122-3.0: Advanced Physics II

Physics 122 is a continuation of the detailed investigation of classical physics begun in Physics 121. The topics covered in depth in this course are electricity and magnetism, and waves. In the first topic, electrostatics and magnetism will be discussed from the point of view of forces and fields while steady state and time dependent currents will be presented using conservation of charge and energy. The second topic will consist of an in depth study of waves on wires, sound waves and light waves based upon the properties of waves. The concepts described in this course will be discussed using the principles of differential and integral calculus. Problems and exams will require calculus for their solutions. (3,3,0) Prerequisites: Physics 121 or permission of instructor. Corequisite: Math 102 or permission of instructor.

Political Science 101-3.0: Canadian Politics I

This course is an introduction to politics and political science from a Canadian perspective. We will study the Canadian political system as well as general political structures and ideas. We will discuss concepts such as power, democracy, and the political spectrum. We will consider how ideologies such as anarchism, communism, fascism, liberalism and conservatism have affected Canada. As well, we will spend time discussing the political issues such as separatism, the national debt and other issues that are relevant during the course of the term. (3,0,0)

Political Science 102-3.0: Canadian Politics II

This course is a continuation of Political Science 101 although new students may join the course. We will continue to study politics from a Canadian perspective. During this term there will be greater emphasis on political issues and current events. (3,0,0)

Psychology 101-3.0: Introductory Psychology I

A first course in psychology; a prerequisite to further study in psychology; a required course for S.S.W. students; a course for anyone interested in discovering what psychology can tell us about why we feel, think and act the way we do. This course and the follow up course, Psychology 102, surveys models and theories relevant to the various sub-areas of psychology by the examining the research psychologists have done and are doing. Specific topics this semester include perspectives and methods, biology of behaviour, human development, sensation, perception, consciousness, and conditioning and learning. The classes include lectures, structured experiences, discussions and audiovisual presentations. This course should be followed by Psychology 102. (3,0,0)

Psychology 102-3.0: Introductory Psychology II

This course is a continuation of Psychology 101. The classes include lectures, structured experiences, discussions and audiovisual presentations aimed at familiarizing the students with current psychological views. The specific topics this semester are: memory, cognition, motivation, emotion, stress, personality, psychopathology, therapy and social psychology. (3,0,0) Prerequisites: Psychology 101 or permission of instructor.

Psychology 201-3.0: Developmental Psychology I

If you would like to gain some insight into your own history and want to know more about what your life will be like as you grow through the adult years, the study of life-span development will be of interest to you. This is the first half of a two semester second year elective course in psychology. Following an introduction to methods and theories and a review of genetics and prenatal development we will examine development in infancy, early childhood and middle childhood, from a physical, cognitive and psychosocial point of view. The focus will be on the normal process growing but some potential developmental problems will be discussed. Classes consist of lectures, discussions, audiovisual presentations and structured experiences. (3,0,0) Prerequisites: Psychology 101 and 102 or permission of instructor.

Psychology 202-3.0: Developmental Psychology II

This course is a continuation of Psychology 201. In this second semester, the topics included are adolescence, early, middle and late adulthood. Each of these topics is viewed from a physical, cognitive and psychosocial point of view. The focus is on the normal process of growing but potential developmental problems will be reviewed. Classes consist of lectures, discussions, audiovisual presentations and structured experi-

ences. (3,0,0) Prerequisites: Psychology 101, 102 and 201 or permission of instructor.

Psychology 211-4.5: Experimental Psychology I

This is the first half of a second year course which is a prerequisite to many third year psychology courses at various institutions. The focus in this course is on the psychological methodology and experimental design as they apply to research in psychology. After a review of the basics of psychological research, a variety of experimental designs will be reviewed and students will become familiar with the specific writing style suited to reporting psychological research. This course has both a lecture and laboratory component. (2.5,2,0) Prerequisites: Psychology 101 and 102 (Psychology 201 or 221 concurrently, is recommended) or permission of instructor.

Psychology 212-4.5: Experimental Psychology II

This course is a continuation of Psychology 211. It consists of a review of how various experimental designs are applied to specific research areas in psychology. Lecture and laboratory topics include physiology, perception, attention, memory, cognition, motivation, emotion and personality. Students will design, carry out, write reports and present the results of several research projects. This course has both a lecture and laboratory component. (2.5,2,0) Prerequisites: Psychology 101 and 102 (Psychology 202 or 222 concurrently, is recommended) or permission of the instructor.

Psychology 221 - 3.0:

Abnormal Psychology and Therapy I

A second year elective psychology course for students interested in learning more about psychological disorders and therapy. Recommended for students who plan to work or are working in a mental health related setting. In this course we start with a thorough examination of the historical antecedents, current theoretical perspectives, and assessment as they relate to abnormal psychology and therapy. This is followed by a review of some of the psychiatric disorders including perspectives on causes and treatment. Specific topics this semester include: stress, health and adjustment disorders; personality disorders; anxiety disorders and; dissociative and somatoform disorders. (3,0,0) Prerequisites: Psychology 101 and 102 or permission of instructor.

Psychology 222 - 3.0:

Abnormal Psychology and Therapy II

This course is a continuation of Psychology 221. Specific topics this semester include, mood disorders and suicide,

sexual and gender identity disorders, schizophrenic and other psychotic disorders This, behaviour disorders of childhood and adolescence, methods of therapy and treatment and contemporary ethical and legal issues. (3,0,0) Prerequisites: Psychology 101, 102 and 221 or permission of instructor.

Psychology 232 - 4.5: Research Methods in Psychology

An introduction to basic research methods in psychology or the social sciences. Emphasis will be on the procedures and underlying logic of scientific inquiry. Topics include hypothesis testing, behavioural or psychological measurement, experimental and quasi-experimental designs, survey research, the relative advantages and limitations of quantitative and qualitative research strategies, and how to critically interpret research findings. (3,1,5,0) Prerequisite Psychology 101 and 102 or permission of the department.

Psychology 233 - 3.0: History of Psychology

This course provides a historical background that is needed for an appreciation of psychology as an evolving profession and science. Persistent problems and new trends in psychology will be understood within the history of ideas. Psychology as both a reflection of, and contributor to, Western culture, will be examined by reference to past thinkers addressing the unavoidable problems of psychology and philosophy. (3,0,0) Prerequisite Psychology 101 and 102 or permission of the department.

Sociology 101-3.0: Introductory Sociology I

Through a variety of sociological perspectives we will examine how different groups view the structure of society. Through brief lectures, audio visual presentation and small group discussions we will explore major topics in the discipline of sociology: culture, socialization, gender roles, aging, crime and deviance. (3,0,0)

Sociology 102-3.0: 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) Prerequisite: Sociology 101 or permission of instructor.

Sociology 205-3.0: Sociology of the Family

A description and analysis of family structure in modern industrial societies. Topics include theoretical perspectives of family and family change, mate selection, marriage and divorce, gender roles and power within families, child-rearing, variant family forms, family law and policy issues related to family. (3,0,0) Prerequisite: Introductory Sociology or Anthropology or permission of instructor.

Sociology 206-3.0:

The Family in Cross-Cultural Perspective

Through theoretical analyses and case studies this course makes cross-cultural comparisons to provide an understanding of variations in the structure and meaning of mate selection, marriage relations, forms of domestic organizations, child-rearing, the sexual division of labour, property and inheritance found in various social and economic content. (3,0,0) Prerequisite: Introductory Sociology or Anthropology or permission of instructor.

Sociology 209-3.0: Canada: Differing Perspectives I

This course examines Canadian society; its problems and developments from a sociological perspective, which will include differing social classes, regions and ethnic groups from across Canada. (3,0,0) Prerequisite: Introductory Sociology or Anthropology or permission of instructor.

Sociology 210-3.0: Canada: Differing Perspectives II

This course is a continuation of Sociology 209, with an emphasis on work patterns and lifestyles. (3,0,0) Prerequisite: Introductory Sociology or Anthropology or permission of instructor.

Sociology 250-3.0: Sociology of Deviance

This course provides an examination of deviant behaviour as a social phenomenon. The course will use concrete examples of deviance to explain, analyze and assess traditional and modern perspectives of deviance. (3,0,0) Prerequisites: Sociology 101/102 or permission of instructor.

Sociology 251-3.0: Crime and Society

An examination of criminal behaviour in Canadian society. Students will assess and examine data collection, research and crime statistics, as well as areas such as violent crime, prostitution, sex crimes, organized crime and business crime. (3,0,0) Prerequisites: Sociology 101/102 or permission of instructor.

WELDING

(Terrace & Prince Rupert Campuses)

Northwest Community College offers the *Provincial Welders Training Program*. This is a competency based, self-paced program which is designed to provide learners with the skills required to function as a safe and competent entry level tradesperson. Training is divided into Levels C, B and A, taking approximately seven months to complete Level C, four months for Level B and three months to complete Level A.

Graduates have found employment in fabrication and maintenance shops which service all sectors of forestry, mining and transportation. "B" Level ticket holders are employed in jobs which require qualification pressure procedures, while "A" Level ticket holders are employable throughout the welding field.

ADMISSION REQUIREMENTS

1. Grade 10 *or* G.E.D. *or* CCP (ABE) Intermediate Level Math and English, *and*
2. Successful completion of a Northwest Community College assessment.
3. Learners who have significant and relevant prior experience may be admitted based on an interview with the Course Instructor and the Program Administrator.

NOTE:

Learners should be aware that many employers require Grade 12 completion.

FEES

1. Tuition as described in the general information section.
2. C.S.A. approved safety footwear (W.C.B. regulations).
3. Refundable tool deposit of \$50.
4. Purchase of necessary learning resources (available at College Bookstore).

NOTE:

We encourage Trades learners to enhance their employability by enrolling in Level I First Aid. First Aid courses are scheduled throughout the year. (See Continuing Education Extension Offerings section.)

Learners are required to provide...

Pencils, pens, eraser, ruler, three ring binders, paper (lined & unlined), scientific calculator, geometry set, welding gloves, welding helmet and leather jacket or cape.

START DATE

Program is offered from September to June. Learners may enroll at any time and are admitted as space permits.

PROGRAM OUTLINE

LEVEL "C" CONTENT

(Requires approximately 7 months to complete)

- P1 Introduction and Program Orientation
- P2 Gas Cutting
- P3 Gas Welding & Braze Welding
- P4 Shielded Metal Arc Welding I
- P5 Shielded Metal Arc Welding II
- P6 Gas Metal Arc Welding I Flux Core Arc Welding
- RK1 Material Handling
- RK2 Blueprint Reading
- RK3 Metallurgy I (Introduction Only)

Note:

To be granted a "C" Level, Ministry of Labour qualification, learners must successfully complete the "C" Level content (as above) and have five months welding experience.

LEVEL "B" CONTENT

(Requires approximately 4 months to complete)

- P7 Shielded Metal Arc Welding II
- P8* Gas Metal Arc Welding II
- P9* Flux Core Arc Welding II
- P10* Gas Tungsten Arc Welding I
- RK4 Welding Quality Control and Inspection
- RK5 Code Standards and Specifications
- RK6 Blueprint Reading II
- RK7 Metallurgy II

* Only one of these modules is required.

Note:

To be granted a "B" Level, Ministry of Labour qualification, learners must hold a "C" Level Ministry of Labour qualification, and successfully complete the "B" Level content (as above) and have nine months welding experience.

LEVEL "A" CONTENT

(Requires approximately 2 months to complete)

- P11 Shielded Metal Arc Welding III
- P12 Gas Metal Arc Welding II
- RK8 Metallurgy II
- RK9 Blue Print Reading III

Note:

To be granted a "A" Level, Ministry of Labour qualification, learners must hold a "B" Level Ministry of Labour qualification, and successfully complete the "A" Level content (as above) and have ten months welding experience.

WELDING UPGRADING

Upgrading is available upon request and as space permits to those wishing to improve their techniques or become proficient in special processes. Learners requesting Boiler Pressure Vessel Certification can apply directly to the Welding Department in either Prince Rupert or Terrace. The assessment of credentials will be done by the Welding instructors and the Ministry of Labour, Skills Development Division.

Note:

Fees for Welding Upgrading are currently under review.

WILDERNESS GUIDING SKILLS

(Smithers Campus)

Northwest Community College offers a 75 day Wilderness Guiding Skills program which is designed to meet the increasing demand for well trained personnel in the guiding industry. Graduates have been highly successful in finding work as wranglers, trail cooks, hunting, fishing, rafting and trail guides. As urban residents from around the world search for wilderness experiences, the employment opportunities for trained people in this area increase.

The Wilderness Guiding Skills program is designed and taught by people who are active in the industry. During the early weeks the program takes place near Smithers in an outdoor base camp which provides an ideal setting for learning basic skills such as camp set-up, management and cooking. Practical skills to ensure comfort and safety are not only taught but lived as students assume responsibility for all aspects of camp life.

Students are introduced to basic guiding skills consistent with the occupational standards of a variety of wilderness guiding sectors. These skills range from professionalism, leadership, camp and/or trip operation, safety, survival and legal issues. All students are introduced to skills specific to particular guiding sectors. Training is provided in basic horse care and use, back country travel and skills related to canoeing, rafting and other aspects of water-based guiding.

As the program progresses students move into the back country. In small groups they prepare for, conduct and conclude trips which simulate guiding excursions. Skills introduced earlier in the program are reinforced and integrated. Activities are undertaken in locations which typify the renowned wilderness values which have established Northwestern B.C. as a world class adventure tourism destination.

ADMISSION REQUIREMENTS

Applicants should be 19 years of age, or older; be proficient in the use of English and Mathematics (*recommended minimum Grade 10 or equivalent*); be a competent swimmer and be physically fit (*medical assessment to be completed prior to acceptance*).

The application, medical assessment must be completed and returned to the College along with the tuition deposit of \$500.00 and \$25.00 application fee.

In addition, applicants must provide:

1. Resume.
2. Personal letter outlining reasons for wanting to enter the program; past experience in wilderness activities, service-related employment and basic life skills.
3. Two letters of reference from people who are willing to state that they have read the program outline and believe that the applicant will be able to meet the program expectations.
4. Participation in a telephone interview.

HOW TO APPLY

Application forms are available from any College centre and can be submitted at any time throughout the year to the Smithers campus along with tuition deposit of \$500. Applicants are also requested to indicate any disabilities which might affect their participation in the program. Applicants may also be required to participate in a pre-course interview, face-to-face or via telephone.

Applications may be obtained from any College Centre or by writing to Northwest Community College, Box 3606, Smithers, B.C., V0J 2N0, or by calling (604) 847-4461.

FEES

- Tuition: \$1,050.00 *
- Food & Lodging: \$1,875.00 (*subject to change without notice*)

**International students are assessed tuition fees at a higher level to offset the cost of their training to the provincial government.*

DATES AND LOCATION

This program starts each year in mid-April and continues through June and is offered through the Smithers Campus.

Transfer
Credit
to Other
Institutions &
Organizations

TRANSFER CREDIT GUIDE TO PROFESSIONAL ORGANIZATIONS

This is a summary of the transfer guides published by professional organizations. Transfer arrangements are subject to change at any time. Please refer to their publications for further information. For information on Transfer Credit to B.C. Colleges, consult an Educational Advisor.

Northwest Community College	Society of Management Accountants (CMA)	Institute of Chartered Accountants of B.C. (CA)	Certified General Accountants (CGA)	Credit Union Institute of Canada	Institute of Canadian Bankers	Municipal Officers' Assoc. of B.C.	Purchasing Management Assoc. of B.C.
ACCT. 150 ACCT. 151	FA 1 for both	Intro. Financial Acct. for both	FA 1 for both	Acct. 110 for both		Acct. 1 Acct. 2	M09 for both
ACCT. 250 ACCT. 251	FA 2 For both or FA 3 for ACCT. 251	Intermed. Financial Acct. for both	FA 2 & FA 3 for both				
ACCT. 252	MA 1 for Acct. 252/253 and Beng. 150	Intro. Mgmt. Acctg.	MA 1				M03 for both
ACCT. 253		Cost Acctg.					
ACCT. 254	IA1	Intro Audit	Auditing 1 - exemption only Must write CGA course exam				
BCPT. 150		Business Computers	MS I (with NWCC Bcpt 250)		Option - Mgmt Sc.	Data Processing	M12 with Bcpt 250
BCPT. 250	AS1.	Mgmt. Info. Systems	MS I (with NWCC Bcpt 150)			Info Systems	M12 with Bcpt 150
BENG. 150	See Acct. 252/253		Business Writing	Comm 120		Bus. Comm.	MO4 for both
BFIN. 250 BFIN. 251	FM 1 for both	Finance for both	FN 1 for both	Finance 150 for both			
BLAW. 152	CL 1	Commercial Law	LAW 1			Personnel	M11
BPOL. 250							M06
CPSC 111 CPSC 112					Option - Mgmt SC		

Northwest Community College	Society of Management Accountants (CMA)	Institute of Chartered Accountants of B.C. (CA)	Certified General Accountants (CGA)	Credit Union Institute of Canada	Institute of Canadian Bankers	Municipal Officers' Assoc. of B.C.	Purchasing Management Assoc. of B.C.
CPSC 121 CPSC 122							
Econ 101 Econ 102					Option - Mgmt SC		
ECON. 150 ECON. 151	EC1 for both	Economics for both	Econ. 1 for both			Macro Econ.	M14 M10
ECON. 201 ECON. 202				ECON 170 for either			
MARK. 150				Mark 140 1/2 credit			MO1
MATH. 150		Mathematics					
MATH. 151	QM1	Probability/Stats.					
MGMT. 150				Mgmt/Bus. Admin 130 1/2 credit			M08
MGMT. 251	OB1	Org. Behaviour		Org. behaviour 160	Mod I-BA Module	Org. Behaviour	MO2
MGMT. 253				Elective 180 with Mgmt. 255			
MGMT. 254							M05
MGMT. 255				Elective 180 with Mgmt. 253			
TAXN. 250	TX1	Intro. Tax.	Tax 1-exemption only Must write CGA course exam.				

Continuing Education/ Extension Offerings

Should you wish to discuss the options of customized training or general interest courses, contact us at the NWCC Campus nearest you!

<i>Hazelton</i>	(250) 842-5291
<i>Houston</i>	(250) 845-7266
<i>Kitimat</i>	(250) 632-4766
<i>Masset</i>	(250) 626-3627
<i>Queen Charlotte City</i>	(250) 559-8222
<i>Prince Rupert</i>	(250) 624-6054
<i>Smithers</i>	(250) 847-4461
<i>Stewart</i>	(250) 636-9184
<i>Terrace</i>	(250) 638-5452

NWCC calendars and program brochures are available by contacting one of the above listed campuses.

Continuing Education/ Extension Offerings

Continuing Education/Extension Services departments of Northwest Community College are committed to meeting the lifelong needs of people in the Pacific Northwest and provide quality credit and non-credit training throughout the year. The range of offerings include partnership training with community groups, customized workplace training, university transfer programs and general interest courses.

Northwest Community College values its customers and has a goal of providing training to suit your specific needs. Whether you require a one day training course, continuous multi-phased training with the option of laddering into a diploma program or co-ordination of special events i.e. conferences, we are prepared to meet your needs!

We have the ability & resources to provide training:

- * at Northwest Community College Campuses
- * "on-site" at your workplace
- * "on-site" in the community
- * via teleconference
- * via videoconference (some College Centres)

Examples of training we can provide:

- * Business Skills Training Courses
- * Career Preparation Program
- * Computer Training
- * General Interest Courses
- * First Aid & Safety Training
- * Trades Training
- * Management Skills for Supervisors
- * Cook Training/Foodsafe
- * Home Support/Resident Care Training
- * Technical Preparation Courses
- * Forest Workers Level Training

Keep in mind - *Continuing Education/Extension Services* of NWCC has the ability to provide customized training for your organization in addition to the courses outlined in this calendar. Should you wish to discuss the options of customized training or general interest courses, please contact us at a NWCC Campus nearest you.

Should you wish to be added to our Continuing Education/Extension Offerings mailing list for updated information that may benefit your business or organization please contact us!

AIR BRAKES

This course includes 24 hours of theory and practical instruction on Airbrake systems. Upon successful completion of a pre-trip, you will receive credit for the pre-trip for 30 days toward the Motor Vehicle Branch Air Endorsement Examination. CSA approved safety footwear required for the practical instruction. Prerequisite: Valid BC Drivers License.

An Air Brakes endorsement is a pre-requisite for our Professional Driver Training course (course description also this section). Airbrakes courses are scheduled on a regular basis throughout the year.

CULTURAL TOURISM

(Hazelton Campus)

Northwest Community College is in the process of developing a Cultural Tourism program.

The certificate program will prepare graduates for employment in the tourism field and may ladder into diploma and degree programs. This program will be beneficial to individuals who have a goal of working in any of the eight tourism sectors: accommodation, food and beverage, events and conferences, transportation, adventure tourism and recreation, travel trade, attractions, and tourism service.

To express your interest in this program contact our Hazelton Campus at (250) 842-5291.

EQUIPMENT OPERATOR PROGRAM

The following two courses, Excavator Operator and Backhoe/Loader Operator are "NEW FOR 1998" and are offered "on-site" at our TERRACE CAMPUS only. Plans are underway for expanded offerings of these courses at other NWCC Campuses, dependent on public demand.

Modularized Excavator Operator and Backhoe/Loader Operator courses are designed to assist operators to acquire skills and knowledge required to be an entry level operator. Safe, efficient operation, maintenance and duties of competent operators are emphasized in these courses.

Operation skills and knowledge acquired in either of these courses will enable graduates to pursue entry level jobs and/or a career in the construction, forestry and excavating industries.

Admissions Requirements

Applicants must be 18 years of age and hold a valid Drivers License.

How to Apply

Applications can be obtained from any College centre. All learners are strongly encouraged to talk with an Educational Advisor before applying to the College.

Housing

Residence space is available at the Terrace Campus. Meals are also available in Terrace at the Cafeteria. Cost of accommodation for those persons enrolled in these courses is \$25.00/day and meals at approximately \$30.00/day. *It is the student's responsibility to determine the suitability of any accommodation.*

EXCAVATOR OPERATOR

In this competency-based course the following operator requirements will be offered:

- Safety procedures
- Equipment systems
- Site preparation
- Preventative maintenance procedures
- Operation of an excavator in "on-the-job" situations
- Identification of construction symbols and terms, check grades, install a culvert and identify road building stages
- Road reclamation and related environmental practices codes

This course is offered on a regular basis throughout the year.

Course fees and application procedures regarding this course is available by contacting an Educational Advisor at any NWCC Campus.

BACKHOE/LOADER OPERATOR

In this competency-based course the following operator requirements will be offered:

- Safety procedures
- Equipment systems
- Preventative maintenance procedures
- Site preparation
- Operation of a Backhoe in "on-the-job" situations
- Identification of construction symbols and terms, check grades, install a culvert and identify road building stages
- Road reclamation and related environmental practices codes

This course is offered on a regular basis throughout the year.

Course fees and application procedures regarding this course is available by contacting an Educational Advisor at any NWCC Campus.

CALL US - WE CAN FIT YOUR SCHEDULE!

FIRST AID & SAFETY TRAINING

Northwest Community College offers a variety of courses in First Aid and Safety. Both the Workers' Compensation Board of BC and The Canadian Red Cross Society have changed and upgraded their courses to meet the needs of individuals and/or business owners and operators.

WORKERS' COMPENSATION BOARD OF BC (WCB) FIRST AID/SAFETY CERTIFICATION

First Aid courses are regularly scheduled but can also be offered on request to employers, community organizations and other interested groups. Fees and class schedules are listed in the Fall & Winter brochures issued by each College Centre. Phone your local College Centre for additional information.

OCCUPATIONAL FIRST AID LEVEL 1

This 8 hour emergency first aid course is designed to meet WCB standards. The course provides an introduction to basic life support techniques. Level 1 is designed by WCB for industrial requirements. It is a good basic first aid course for anyone interested in emergency care.

OCCUPATIONAL FIRST AID LEVEL 2

Level 2 is a course designed to meet WCB standards for an intermediate first aid course. This course provides the fundamentals of emergency care until the ambulance arrives.

TRANSPORTATION ENDORSEMENT

This endorsement is required for all Level 1 and 2's who work more than 20 minutes from the hospital. Prerequisite: Level 1 or 2 certification.

OCCUPATIONAL FIRST AID LEVEL 3

Level 3 is a course designed to meet WCB standards for an Occupational First Aid Attendant. Completion of this course entitles the student to take the Worker's Compensation Board exam.

Some NWCC Campuses offer the Level 3 course in 70 hour and 105 hour formats. The 70 hour course is offered in evening sessions and day sessions. The 105 hour course is offered in day sessions only. The longer 105 hour course is recommended for students not already possessing a ticket or ticket holders who feel they would benefit from the additional course time.

OCCUPATIONAL FIRST AID LEVEL 3 RENEWAL TRAINING

The Occupational First Aid Level 3 Renewal Training course covers all emergency medical techniques considered to be the responsibility of a Level 3 First Aid Attendant providing emergency care in industry.

This course consists of 10 lessons involving a minimum of 35 hours of classroom study and practice and is designed for the self starting motivated student.

WILDERNESS FIRST AID

This 72 hour course incorporates the Occupational First Aid Level I, Transportation Endorsement and Red Cross Basic Rescuer Certification and includes a "rigorous oriented" component which includes indoor instruction as well as several outdoor simulations. Upon completion of this course, you will be able to: perform Basic Rescuer CPR; emergency First Aid; recognize and prepare for extreme environmental conditions; organize and plan for the transportation of injured victims; explain and demonstrate how to care for an injured victim on a long term basis; and, prepare First Aid and medical kits and procedures for wilderness trips.

Admission Requirements

Must be at least sixteen years of age in order to meet the WCB requirements for Level I First Aid and the Transportation Endorsement component - exemption to those individuals that hold valid tickets or possess a current OFA Level III ticket. Participants should be fit and have a willingness to help people in emergency situations.

Note: Understanding the first aid concepts is essential. It is strongly recommended that all pre-reading and homework be completed in its entirety, prior to beginning of class. The need for pre-reading and continual review is essential for the understanding of first aid subjects covered in each lesson. Lectures will be brief and cover key content areas which will enable the learner to provide emergency care to injured workers. Time allotted for practical application of the theory will be increased if these concepts are understood.

WCB WORKSAFE MODULES

The following modules can be taken on an individual basis, or, NWCC can set-up customized training for organizations to deliver one or all of the following modules as required for certification.

Occupational Safety and Health in Small Business

In this module business owners and operators will receive information about their legal responsibilities for employee safety, how to prevent in diseases and how to manage workers compensation costs. This program also includes the concept of "due diligence", the policies applied by the WCB safety and hygiene officers when they inspect worksites, key components of a workplace safety and health program and tips to manage WCB assessment and claims costs.

Hazard Recognition and Control

This module provides information and techniques to prevent injury and disease for workers, supervisors and safety committees striving to improve safety performance. This program will explain who is responsible for identifying and controlling workplace hazards, how to identify and evaluate hazards, how to find information in the safety and health regulations and how to identify key causes of repetitive strain and musculoskeletal (bone, muscle, ligament, tendon, and nerve) injuries.

Finding Solutions to Musculoskeletal and Repetitive Strain Injury

This module will be of interest to supervisors, workers, safety committee members and business owners who want to tackle the most significant causes of high-cost claims. This program includes practical ways to prevent back injuries, repetitive strain injuries and other musculoskeletal (bone, muscle, ligament, tendon and nerve) disorder (MSDs) - including a focus of preventing MSDs associated with office work.

Occupational Safety and Health Committee Training

Safety committee members need to know their roles and how to carry out their duties to provide quality service to co-workers. This program includes the elements of an effective safety and health program, the responsibilities of health and safety committee members, how to use safety and health regulations as a resource, how to conduct effective workplace inspections and accident investigations and how to deal with situations involving a refusal to do unsafe work.

Supervisor Safety Management

This module will provide supervisors with key information to effectively manage health and safety. Supervisors will learn what practising "due diligence" means, how to identify and analyse workplace hazards, how to conduct an effective workplace safety inspection and the key policies that WCB safety and hygiene officers apply when inspecting worksites.

THE CANADIAN RED CROSS SOCIETY'S VITAL LINK PROGRAM

VITAL LINK STANDARD FIRST AID

This 18 hour course is designed to teach the fundamentals of emergency care and first aid. Cardiopulmonary Resuscitation (CPR) is included.

VITAL LINK EMERGENCY FIRST AID

This 8 hour course is designed to provide an introduction to basic life support techniques. Cardiopulmonary Resuscitation (CPR) is included.

VITAL LINK CARDIOPULMONARY RESUSCITATION - Canadian Heart Foundation Standards (CPR)

Four levels of courses are available, each covering basic life support skills; how to recognize a heart attack; what to do if a person is choking; and, one person CPR.

HEART SAVER - formerly 'A' level

A 4 hour course concentrating on adults.

HEART SAVER PLUS - formerly 'B' level

A 6 hour course concentrating on infants, children and adults.

BASIC RESCUER - formerly 'C' level

An 8 hour course concentrating on infants, children and adults. 2 person CPR is included.

INFANT AND CHILD - formerly 'D' level

A 6 hour course concentrating on infants and children.

CHILDSAFE

This 8 hour course is designed to do more than teach emergency first aid for infants and children. Its main premise is that accidents can be prevented by educating the adult, changing the environment and educating the child. This is done through interactive sessions involving accident prevention and safety education.

FIRST AID FOR TEACHERS

Serving as an excellent review or introduction to First Aid, this intensive 3 hour workshop is designed for the school situation.

PROFESSIONAL DRIVER TRAINING

This modularized course is designed to assist learners to acquire the skills required to obtain Class 1 driving status. Safe operation, maintenance and duties of competent professional drivers are emphasized in this course.

Admission Requirements

1. 19 years of age.
2. Clear driving abstract. (*No outstanding driving offenses on your record.*)
3. Valid Air Brakes Endorsement (*courses offered each month at N.W.C.C.*)
4. Valid Class 1 Learners Permit.

Program Outline

- Describe Professional Driving
- Use Safe Work Practices
- Operate Vehicles and Equipment
- Describe the Maintenance of Vehicles
- Identify Regulations
- Handle Cargo
- Maintain Records

Note:

We use the Province of B.C. Approved Curriculum developed with the assistance of the Professional Commercial Vehicle Operators of B.C.

*The Professional Driving Training course is offered on a regular basis throughout the year.
Call us - We can fit your schedule!*

Other Opportunities

* *General Education Development Tests (G.E.D.)*

* *Literacy Training*

* *Diploma in Adult Education*

* *Provincial Instructor Diploma Program*

* *Open University/Open College*

* *University of Northern B.C.*

GENERAL EDUCATION DEVELOPMENT TESTS

The GED test provides an opportunity for adults who did not graduate from secondary school to earn an official document stating that they have a high school equivalency standing. This standing may assist them in qualifying for better jobs, for promotion within their own organizations, and in applying for admission to post-secondary educational institutions.

Applicants must meet the following three requirements at the time of application:

1. Minimum age of nineteen.
2. British Columbia residency of at least six months immediately preceding the date of application to write.
3. Out of school for at least one full academic year.

Classes are available at some College centres to help you prepare for the GED tests. Contact your College centre for dates and procedures.

LITERACY TRAINING

(Hazelton, Houston, Kitimat, Masset, Prince Rupert, Smithers and Terrace Campuses)

The basic literacy program is intended for students who are non-readers and for those who wish to improve their basic math, reading, writing and spelling skills. One-to-one instruction is available in Houston, Smithers, Hazelton, Terrace, Kitimat, and Masset. Group classes are usually available in Prince Rupert. In an effort to meet the needs of the student, the time and place of instruction with a tutor is flexible. There is no cost for these services (except for the Prince Rupert classes) and all books will be loaned to the student.

You can get more information from your local College Centre or you can call the Adult Literacy Contact Centre (1-800-663-1293).

If you know anyone who may have difficulty reading this calendar, please give them the informa-

tion about these literacy programs.

The College supports training programs for people who would like to be a tutor in the Basic Literacy program.

If you, or someone you know, would be interested in participating in this program, please contact your local College centre.

DIPLOMA IN ADULT EDUCATION

The Diploma in Adult Education is an advanced qualification for those working with adult learners. Courses have transfer credit to the University of Alberta Bachelor of Education degree in Adult Education. The program consists of the courses in the Provincial Instructor Diploma program (*see page 125*), plus eight 30 hour courses. Entrance requirements are similar to requirements for the Provincial Instructor Diploma, however; ID 101 Instructional and Curriculum Design is a pre-requisite for ID 301 College Organization & Its Educational Context; and, 104B Evaluation of Learning and Instruction Part B is a pre-requisite for ID 304 Educational Leadership.

Entrance requirements are similar to requirements for the Provincial Instructor Diploma, however, ID 101 Instructional and Curriculum Design is a prerequisite for ID 204 Educational Leadership.

Program Outline

Courses as described in Provincial Instructor Diploma plus;

- 301 College Organization & Context
- 302 Introduction to Developmental Psychology
- 303 Microcomputers in Education
- 304 Educational Leadership
- 305 Effective Communication Skills for Educators
- 306 Effective Instructional Strategies with Adult Learners

- 390 Practicum - 3 week placement

Options - Choose One:

- 400 Native Adult Learner
- 401 Instructional Strategies with ESL Learners
- 402 Organizing International Education Instruction
- 480 Gender & Diversity Issues in Education
- 481 Cooperative Learning

PROVINCIAL INSTRUCTOR DIPLOMA

The Provincial Instructor Diploma program provides individuals with opportunities to develop instructional competencies in the design, management and evaluation of instruction for adults. This program consists of six 30 hour courses and a final assignment.

PROGRAM OUTLINE

- 101 Instructional and Curriculum Design
- 102A Elements of Instruction
- 102B Elements of Instruction
- 103 Use/Design of Instructional Media
- 104A Evaluation of Learning and Instruction
- 104B Evaluation of Learning and Instruction

plus:

Major Assignment for Diploma.

The courses in both the Provincial Instructor Diploma and Diploma in Adult Education are offered by the Ministry of Education, Skills and Training and are recognized at public and private colleges throughout the province. Interested individuals can contact Linda McMurray (250) 638-5450, in Terrace, or, you may also contact Vancouver Community College at (604) 871-7488 to register for the entire program or for specific courses.

OPEN UNIVERSITY/ OPEN COLLEGE

What is the Open University/Open College (OU/OC)? The Open University/Open College's mandate is to provide leadership in the development and implementation of open learning in B.C. As a public educational institution committed to providing lifelong learning opportunities to British Columbians, OU/OC uses television (the Knowledge Network), telecommunications, electronic printing technologies, and tutorials to enable students to access learning opportunities otherwise unavailable to them. Courses and programs range from high-school completion and career, technical and vocational training, to undergraduate university degrees and various opportunities for non-formal learning, such as community-based learning circles.

Most OU/OC students study at home using specially designed distance learning materials and technology. Advisors and tutors are available for assistance in program planning and course completion. OU/OC students mail assignments to their tutors for marking and take their final exams in or close to their home communities, often at NWCC centres.

People interested in receiving more information about OU/OC courses and programs can contact NWCC Advisors or call toll free to the Burnaby headquarters using the number listed.

OU/OC's Education Information Services will:

- Mail a free calendar describing OU/OC's college and university programs.
- Answer questions about OU/OC courses, programs, policies and procedures.
- Provide information about financial aid.
- Assist with choosing and registering in courses.

*OU/OC's Toll Free Number is:
1-800-663-9711*

*Check out our Website for Information:
<http://www.ola.bc.ca>*

or

*EMAIL us for information at:
studentserv@ola.bc.ca*

IMPORTANT:

Northwest Community College students considering taking OU/OC courses to transfer into their NWCC programs should consult a NWCC Educational Advisor who will provide information about transfer credit.

UNIVERSITY OF NORTHERN BRITISH COLUMBIA

UNBC has a special mission to serve the students of northern British Columbia. Our 21 undergraduate and 14 graduate programs and many research activities are designed so that they are of particular relevance to the region. In addition, UNBC has a strong commitment to providing "one stop shopping" for all services such as counselling, housing, awards and financial aid, admissions, registration and co-op education.

As part of UNBC's commitment to northern BC, the university has established collaborative programs with the three northern colleges, including Northwest Community College. NWCC students can transfer their university credit courses to all UNBC programs, and also can transfer work from NWCC's Forestry/Natural Resources, Social Services and Business diplomas to UNBC degrees in those areas (please refer to the BC Transfer Guide for specific information about transfer credits from NWCC to UNBC).

UNBC offers several graduate and undergraduate degree programs in the Northwest. Selected courses are scheduled each term both face-to-face in Terrace and Prince Rupert, and via the WorldWideWeb throughout the region. Several graduate programs are underway in the region with full cohorts of students. Degrees available within the region are the BA General with several minors and, beginning in 1997, the BA in Resource Recreation & Tourism (pending funding & confirmation). Unique offerings in the Northwest include university credit courses in several First Nations languages and cultures. At the present time these include language courses in Sm'algyax (Tsimshian) and Haisla and Wet'suwet'en culture courses. The Wilp Wilxo'oskwahl Nisga'a offers Nisga'a language and culture courses for UNBC credit in several centres in the region, as well as a degree in Nisga'a Studies and several other programs in partnership with UNBC and NWCC.

For more information contact the following office:

Northwest Regional Office
University of Northern British Columbia
100 McBride Street
Prince Rupert, BC V8J 3E8

Telephone:
(250) 624-2862 or
(250) 635-6511, Ext. 5742 (*Prince Rupert*)
or
(250) 635-6511, Ext. 5448 (*Terrace*)

FAX:
(250) 624-9703 (*Prince Rupert*)
or
(250) 635-1395 (*Terrace*)

Toll Free: 1-888-554-6554
Facsimile: (604) 960-6330
Internet: "alexcee@UNBC.edu"

Financial Aid Sources

** Federal & Provincial Government Assistance*

** Northwest Community College*

- Entrance Awards
- Bursaries
- Emergency Assistance
- Awards

** Awards Administered outside NWCC*

** Awards Administered by UBC/Tenable at NWCC*

** Students transferring to University & BCIT*

FINANCIAL AID SOURCES

A detailed description of the programs available at the College follows. In most cases eligibility requirements for programs are described in general terms.

Students planning to enroll at Northwest Community College should prepare a budget estimating resources and expenses. An estimated budget for a single student in an eight month program might be:

ESTIMATED EXPENSES

Tuition (\$1,000 - \$1,500)	\$ 1,200.
Textbooks/Supplies (\$500 - \$1,500)	1,000.
Living Costs (\$600/mo.)	4,800.
Miscellaneous (\$120/mo.)	960.
Transportation (\$60/mo.)	180.
	\$ 8,140.

POSSIBLE RESOURCES

Savings from summer job	\$ 1,000.
Other savings	500.
Parental Contribution	500.
Bursary/Scholarship	250.
Part-time job during school year	500.
	\$ 2,750.
Shortfall	(\$ 5,390)

Estimates do not include moving costs, travel to and from home for weekends, clinical or practicum expenses.

For students whose estimated expenses exceed resources, Northwest Community College has a substantial financial aid program which includes loans and non-repayable funds.

FEDERAL & PROVINCIAL GOVERNMENT ASSISTANCE

Adult Basic Education Student Assistance Plan

ABESAP is a provincially sponsored program which provides for direct educational costs to students enrolled in programs such as:

- Academic Up-grading
- Adult Special Education
- English Language Training
- Employment Orientation Programs

Who May Apply

Any person who is:

- Canadian citizen or permanent resident.
- enrolled at a participating secondary/post-secondary institution in a recognized Adult Basic Education program.
- not receiving financial assistance for educational expenses from any other source.

Applications are available at all NWCC centres and can be submitted to an Educational Advisor located at the NWCC centre of your choice.

Assistance Program for Students with Disabilities

Grants to a maximum of \$10,000 are provided to students with disabilities for the purchase of goods and services (students requiring attendant care may receive up to \$12,000 within a calendar year). This program will assist students who would otherwise encounter access barriers due to their disability. Eligible goods and services include adaptive special equipment that is not covered by SETBC or other funding and attendant care for direct support related to schooling. There is no provision for tuition or books.

Contact an NWCC Educational Advisor for more information.

British Columbia Student Assistance Program (Canada Student Loan/B.C. Loan Grant)

This is a comprehensive program of assistance based on need for post-secondary students to ensure that British Columbia residents are not denied the opportunity to reach their educational objectives due to financial constraints. Funds provided under the program are intended to supplement, not replace, the student's own financial resources and those of the student's immediate family.

Levels of Assistance

The maximum assistance available per year in federal and provincial funds is \$260 per week of study for applicants without dependent children and \$385 per week of study for applicants with dependent children. Funds awarded under this program will be disbursed through a combination of Canada Student Loan, B.C. Student Loan and Grant payments, depending on eligibility.

Enrollment

You must maintain enrollment in 60% of a full course load (40% for those with permanent disabilities) for credit in a program at least 12 weeks long.

When to Apply

It is in the best interest of the applicant to APPLY EARLY, ten to twelve weeks prior to the beginning of classes.

Repayment of Loan

You must start repayment of both Canada and BC Student loans six months after leaving school.

Loan Remission

Students who graduate from post-secondary studies in a timely fashion plus meet other eligibility requirements may have a portion of their BC student loan (not Canada student loan) remitted or paid by the province. The total loan debt owed by the student (BC and Canada) must exceed the maximum debt level established each year.

For further information on the BC Student Assistance program, or to obtain an application package, contact any NWCC Centre.

First Nations

First Nations students who are interested in attending post-secondary institutions should contact their Band regarding assistance.

Health Care Scholarship Fund

This fund has been established to help health care workers retrain and upgrade their skills and keep pace with changing technology and preventative care needs. Bursaries of \$3,500 will be awarded to qualified applicants who meet the criteria and have the greatest financial need. Bursaries will be awarded equitably across all health care sectors.

You may apply for a health care bursary if:

- you have worked in a publicly funded health care field in BC for at least 12 months within the last 3 years (full-time, part-time or casual);

- you have been a permanent resident in BC for the last 12 months.
- during one of the award periods, you are enrolled in an eligible health care program of study at least 4 months in length at a BC public post-secondary school, St. Paul's Hospital or BC Cancer Agency program that leads to a Certificate, Diploma or Degree recognized for practice in BC;

- you can demonstrate financial need and/or that you will suffer significant financial loss by taking training.

For 1998 there will be three bursary periods: January-April, May-August, September-December. Deadline for applications is approximately 6 weeks before the start of the award period. Applications are available from the Educational Advisor at any Northwest Community College Campus.

Applicants should complete and return a bursary application form along with proof of employment to Health Care Scholarship Fund, Student Services Branch, Ministry of Education, Skills and Training, P.O. Box 9173 Stn. Prov. Govt, Victoria, BC, V8W 9H7.

Human Resources Centre of Canada

(formerly Canada Employment Centre)

If you are planning to enter full-time training and are in need of financial assistance, the Canada Employment Centre may be able to help.

Should you be eligible for, or in receipt of unemployment insurance benefits, be sure to make an appointment with a Programs and Services Officer, well in advance of your course start date.

For further information regarding sponsorship, contact your local Human Resources Centre.

Ministry of Education, Skills, and Training

The Ministry of Education, Skills, and Training, through its district offices, provides assistance to people who:

- are currently in receipt of Income Assistance under the GAIN Act;
- and
- have been unsuccessful in obtaining employment following a seven month independent job search.

Priority for assistance will be given to youth 19 to 24 years of age. Funding may be available for assisted job search programs or for short-term career exploration and work readiness training. Individuals wanting academic upgrading or post-secondary skills training should explore the Adult Basic Education Student Assistance Plan or British Columbia Student Assistance program.

For further information, contact a Training Consultant in the Ministry of Education, Skills and Training office closest to you.

Part-time Student Loan

Guaranteed loans for part-time students attending post-secondary courses are available under a program funded by the Government of Canada. These loans may assist with the cost of tuition, textbooks, transportation, daycare and incidental expenses. Students must be in a program of at least 12 weeks duration and be enrolled in less than 60% of the full program of study.

Applications are available at all NWCC centres and can be submitted to an Educational Advisor located at the NWCC centre of your choice.

Special Opportunity Grants

1. Students with Permanent Disabilities

This grant program is designed to assist students who have a functional limitation or impairment. The awards are intended to meet expenses which are not covered by other support programs and agencies. This program is available to both full and part-time students. Students applying to this program must first apply for assistance through the regular British Columbia Student Assistance Program (full-time students) or the High Need Part-Time Program (part-time students).

2. High-Need Part-Time Students

This program is designed to assist students who cannot pursue their studies on a full-time basis and whose income falls below a prescribed threshold. Valid reasons for attending part-time include single parent status, responsible for the care of an elderly dependent or a dependent with a disability. The amount of assistance is based on a need assessment procedure and is in the form of a grant. When applying for this program, students may also apply to the Part-Time Student Loan program.

For further information on the above programs, contact an Educational Advisor at any Northwest Community College Campus.

Training Assistance Benefits Program

This provincially funded program is designed to provide direct educational costs for approved Youth Works and Welfare to Works clients enrolled in:

- Academic Up-grading
- Adult Special Education
- Basic Literacy
- Education and Career Planning
- English Language Training

This program is intended for clients who require up-grading

in order to move into the workforce or pursue post-secondary training. Eligibility for this assistance is based on an Employability Agreement authorized by Training Consultants at the Ministry of Education, Skills and Training.

For information on this program, contact any Ministry of Education, Skills and Training office.

Vocational Rehabilitation Services

The primary objective of Vocational Rehabilitation Services is to provide a comprehensive and co-ordinated program for persons with disabilities. The Vocational Rehabilitation Program consists of assessments of various types, restorative services, formal vocational training, on-the-job training and follow-up goods and services.

Eligibility for services is based on two criteria:

- (a) Presence of a permanent physical or mental impairment which results in a substantial handicap to employment;
- (b) A reasonable expectation that Vocational Rehabilitation Services will benefit the individual in terms of employment.

Referrals to Vocational Rehabilitation Services may come from community agencies, family physicians, government agencies, parents, guardians or individuals themselves.

For further information contact 638-6582.

Work Study Program

This program is designed to provide on-campus work experience for students requiring financial assistance while attending a post-secondary institution. The program is open to British Columbia residents studying at participating universities, colleges and institutions located in British Columbia.

Further information may be obtained from any NWCC centre.

NORTHWEST COMMUNITY COLLEGE ADMINISTERED AWARDS

Northwest Community College Endowment Fund

The Endowment Fund was established in December, 1984 in response to a challenge from the Vancouver Foundation. Its purpose is to earn interest under the management of the Vancouver Foundation. The principal donations to the Endowment Fund are never spent but the interest it generates each year is used for financial assistance in the form of grants

and scholarships for deserving students. Through the generosity of large numbers of individuals, corporations, clubs, groups, the College, and the Vancouver Foundation, the principal in the fund has grown to \$250,000.00. This money is already generating interest which is being used for much needed student assistance. Corporations, businesses, service clubs, unions and individuals may contribute tax-deductible donations to the fund by contacting the College. Your contribution will remain in the fund permanently and continue to provide student aid money.

For information call the Registrar in Terrace, 638-5420.

ENTRANCE AWARDS

Gary D. Lloyd Memorial Award

Gary Lloyd was a Registered Professional Forester, employed with the BC Forest Service for 25 years. He was the Silviculture Officer in the Prince Rupert Forest region from 1973 to 1992 and Bulkley Forest District Zone Forester from 1992 to 1997. He was an enthusiastic and dedicated silviculturalist, an avid outdoorsman often known as "Rev" or "the Reverend Lloyd" due to his passion and commitment to forestry and the environment.

A \$150 award will be available each year to a student pursuing studies in the Natural Resource Management program at NWCC and intending to complete either the Forest Technology or Integrated Resources Management option. The recipient will be selected based on:

- enrollment in at least 60% of a full-time load;
- academic record;
- statement of personal and educational goals;
- a 500 word essay on the "Importance of Silviculture in Forest Management";
- non-academic activities - preference given to applicants with strong community efforts in cubs, scouts, junior forest wardens, outdoor activities and recreational hobbies, and clubs;
- two letters of reference - one of which is from a teacher.

Preference will be given to first year students who have just graduated from a high school within the Prince Rupert Forest Region (Burns Lake to QCI). Application deadline is August 31.

Northwest Community College Trades/Technology Instructors Award

The following awards are available to students entering Automotive, Carpentry, Heavy Duty, Industrial Mechanic (Millwright), Commercial Transport Repair or Welding at the Terrace Campus in the Fall 1998.

- a) Three \$300 awards for 1998 graduates of Caledonia Senior Secondary School in Terrace. Preference for one of these awards is for a female student. Selection for these awards will be made by the high school.
- b) Two \$300 awards for 1998 graduates of Mount Elizabeth Secondary School in Kitimat. Preference for one of these awards is for a female student. Selection for these awards will be made by the high school.
- c) One \$300 award for a 1998 graduate of Hazelton Secondary School. Selection for this award will be made by the high school.
- d) One \$300 award for a student in the Career and College Prep program of Northwest Community College. Selection for this award will be made by Northwest Community College CCP faculty.

To receive an award, recipients must enroll in one of the Trades programs at Northwest Community College in the Fall of 1998.

BURSARIES

The following bursaries are made available through the generous donations of businesses, community groups and individuals.

A list of available bursaries is posted at each College campus in December. Applicants are normally required to have applied to the BC Student Assistance Program. The deadline for application is late January. Application forms are available from your campus Educational Advisor in December.

Alcan Bursary Fund

Alcan Smelters and Chemicals Ltd. has established an ongoing bursary fund of \$500 per year. This fund is the result of a donation to the Northwest Community College Endowment Fund. Applicants for Alcan Bursaries must be enrolled in full-time credit programs and must have demonstrated financial need.

B.C. Hydro Bursary

A \$500 award for a University Credit student who has a balanced lifestyle and is knowledgeable and committed to the protection of the environment and the efficient and safe use of electricity.

B.C. Telephone Awards

\$1250 has been made available by the B.C. Telephone Company. The awards will be given as either bursaries or scholarships at the discretion of the Financial Awards Committee. Preference is given to second year students.

Campus Bursaries

Individual Northwest Community College centres provide bursary assistance from the revenue from vending machines and/or the invigilation of exams.

Credit Union Awards

1. Credit Union Foundation

A grant of \$500 is available to Northwest Community College technical, academic, or vocational student(s) who might otherwise have difficulty completing their studies by reason of financial hardship. Recipients must be Canadian Citizens.

2. Credit Union Pioneers' Memorial Bursary

Bursaries totalling \$300 annually are available to a student or students in trades training programs. The funds are to be awarded to students who might have difficulty completing their studies due to financial hardship. Recipients must be Canadian citizens.

3. Lucille Sutherland Bursary Trust

An annual award of \$200 is made available to mark Lucille Sutherland's many and enduring contributions to the Credit Union Foundation. This bursary is available to students in vocational or technical programs. Recipients must be Canadian citizens.

Golden Spruce Awards

Two annual awards of \$1,000 each are available for women who are taking steps to re-enter the work force by enrolling full-time in a program of study at the Terrace campus. First preference will be given to women who have been out of school for at least three years, are single parents, and have minimum sponsorship from other sources.

Knox United Church Bursary Fund

Knox United Church in Terrace has, through a donation to the Endowment Fund, established this fund in celebration of the International Year of Youth, 1985. A \$300 award is available annually to students enrolled in the CCP program. First consideration is given to students enrolled at the Terrace campus.

Northwest Community College Bursary Fund

Designated earnings from the Northwest Community College Endowment provide bursaries for students who do not meet the requirements for other funds.

Northwest Community College Student Association (Terrace)

Two \$100 bursaries will be awarded to students enrolled full-time at the Terrace Campus. Preference will be given to students who applied for, but failed to receive, other bursaries.

Prince Rupert Rotary Bursary Fund

The Rotary Club of Prince Rupert, through a donation to Northwest Community College Endowment Fund, has established an ongoing bursary fund of \$250 per year. The first priority for awarding this money will be to full-time credit students attending class at the Prince Rupert campus or to Prince Rupert students attending programs in Terrace. Students from other areas would be eligible if the award was not made in the first semester to a Prince Rupert student.

Prince Rupert Native Brotherhood

Up to \$500 is available for native students enrolled in Business Education or University Credit. Recipient(s) is to be from the Prince Rupert area.

Skeena Cellulose Bursary Fund

Two \$300 bursaries are available annually. One to be awarded to a student enrolled in full-time studies at the Terrace or Prince Rupert campus who is the son or daughter of a Skeena Cellulose employee. The second bursary is to be awarded to any full-time student from within the College region.

Vancouver Foundation

The Foundation provides mini-block grants on a rotational basis to B.C. community colleges. To determine if your institution will receive a mini-block grant for the current year, please check with an Educational Advisor.

Women's Equality Bursary

The Ministry of Women's Equality provides two \$250 bursaries for women students enrolled in womens studies or fields in which women have not traditionally sought post-secondary training.

EMERGENCY ASSISTANCE

Student Association Emergency Aid Fund

NWCC Student Association and the Ministry of Advanced Education, Training and Technology have jointly established a fund to assist students who face emergency expenditures for such things as:

- travel expenses in the event of serious illness or death of an immediate family member,
- medical or dental costs,
- living expenses

Further information is available by contacting an Educational Advisor at one of our College Centres.

Thunderbird Emergency Loan Fund

Established in part by a donation from the Northwest Community College Student Association and revenue from invigilation of exams, this fund can be used for small, short-term emergency loans.

To apply, please contact an Educational Advisor at one of our College centres.

AWARDS

ASE Integrated Program Award

A \$100 award for a graduating ASE student who plans to enter an integrated program at Northwest Community College. The recipient will be selected by the ASE faculty and staff on the basis of academic achievement and successful practicum experience.

B.C. Hydro Scholarship

A \$1,000 scholarship is available for a student who:

- has completed first year in good academic standing in a program relevant to B.C. Hydro business and who is continuing on to second year;
- has a balanced lifestyle, ie: fitness, community involvement, hobbies and interest;
- is knowledgeable and committed to the protection of the environment and the efficient and safe use of electricity.

Selection will be grade based but should there be one or more applicants of equal calibre, preference will be given to a female or aboriginal student. The recipient will be chosen in May of each year but, in order to redeem the award, will be required to provide proof of enrollment in a program relevant to B.C. Hydro business the following September. Enrollment can be at any recognized post-secondary institution.

To apply, you must write a letter to the Financial Awards Committee at NWCC indicating how you meet the criteria and outlining your plans for your second year of study. Application deadline is April 30.

Eric Buss Memorial Scholarship

The recipient of this \$200 award will have demonstrated academic and interpersonal skill excellence during the first year of the Natural Resources program and be continuing on in the Forest Technology option. Selection will be by student nomination followed by faculty consensus. Payment of the award will be made after classes commence in September.

Nomination deadline is April 30.

Governor General's Collegiate Bronze Medal

The Governor General's Bronze Medal is awarded each year to an outstanding student graduating from a two-year diploma program. Normally, this prestigious medal is awarded to the student who has attained the highest academic standing during two years of full-time study.

Lieutenant-Governor's Silver Medal

The Lieutenant-Governor's Silver Medal is awarded each year to a student in a vocational or career program of less than two years duration. The student selected will be one who has not only excelled in his or her studies, but has also contributed in a positive way to the life of the College or to the community.

C.F.E. Equipment Award

A \$500 award for the Natural Resources student who submits the best Co-operative Work Term II Report. The recipient will be chosen by the program faculty.

C.G.A. Academic Excellence Scholarship

A \$500 scholarship will be awarded to a student who has completed the first year of a two year diploma program in accounting. The main emphasis in awarding the scholarship will be on academic excellence in the student's first year of study. The scholarship will be applied to tuition fees on enrollment in the 2nd year of the program.

Application deadline is April 30.

C.G.A. Adult Secondary Completion Scholarship

The scholarship will be awarded in the form of a \$600 credit toward the first year of study in the C.G.A. program. Eligible students will have received their B.C. Secondary School Equivalency Certificate, Adult Dogwood Diploma or Adult Basic Education Provincial Diploma during the previous year.

Application forms are available from our centre Educational Advisors offices and must be submitted by April 30.

C.G.A. Continuing Education Tuition Scholarship

The Certified General Accountants Association of B.C. offers an annual \$750 Continuing Education Tuition Scholarship to a graduate of the Business Management (Accounting) diploma program or to a graduate of a one-year Accounting Certificate at Northwest Community College. This scholarship will be applied to your first year's tuition in the C.G.A. program. To apply, you must make formal application to the Registrar in Terrace. *Application deadline is April 30.*

Certified Management Accountants Society of B.C.

The Society provides an award of a \$500 credit towards CMA fees to the graduating full-time NWCC student attaining the highest mark in Accounting 252/253 in the graduating year. The recipient should be interested in continuing studies in accounting with the CMA program.

CN Scholarships for Women

Canadian National is making available one scholarship of \$500 to be awarded in the fall semester. The scholarship is for women in trades, technology or operations. Applications and information will be distributed to students in eligible programs in September.

Mathis Duerst Memorial Scholarship

An \$800 scholarship will be awarded to a student enrolled in the fifth term of the Natural Resources program. The recipient will be the student who has achieved the highest grade point average in terms one through four. The recipient will be selected at the end of term four.

John Hiom Memorial Scholarship

A \$500 scholarship will be awarded to a student completing first year Sciences at the Prince Rupert campus. The recipient must be eligible to enroll in a full-time Science program at a post-secondary institution. Selection will be by faculty nomination.

This award has been established to provide a lasting memorial to John Hiom's commitment and dedication to quality Science education.

Chartered Accountants of B.C. Tuition Credit

A top graduate of the Business Administration Diploma program will be awarded a \$1,000 tuition credit to be applied against course and registration fees in the Advanced Certificate Program of the Institute of Chartered Accountants of British Columbia. This award will be made available courtesy of the Chartered Accountants' Education Foundation of British Columbia as part of their efforts to advance education in the

province. The recipient will be selected based on grade point average. Eligible students must apply for the award to be considered. *Deadline is April 30.*

Northern Institute for Resource Studies

The NIRS was founded to promote, encourage and advance the awareness, knowledge and appreciation of economic development in B.C., particularly in the northern area of the province. Through a donation to our Endowment Fund, the Institute provides two \$500 scholarships and four \$250 bursaries for students enrolled in Business Administration, University Transfer pre-Commerce and Sciences, Forest Technologist, and Tourism and Entrepreneurial related programs. As funds are provided to help students continue their education, recipients must re-enroll in the Fall semester to redeem the award. Enrollment can be with any recognized institution. Instructors will submit nominations to the Financial Awards Committee for final selection.

Nomination deadline is April 30.

Northern Interior Cruising Committee Scholarship

The NICC offers a \$500 scholarship to a full or part-time Natural Resources student who completes the NRES 130 Data Collection course during the previous year. Those wishing to be considered must write to the Financial Awards Committee and submit a brief essay demonstrating his/her commitment to forest mensuration by providing evidence of practical proficiency in cruising or related work. Selection will be based on academic and practical achievement in NRES 130 with consideration given to the application essay. Final selection will be made by the Natural Resources instructors.

Application deadline is April 30.

Triton Environment Consultants Ltd. Bursary

A \$500 bursary for a second year student in the Integrated Resources Management Option of the Natural Resources program. Applicants must have returned to school after at least five years in the workforce and have work experience related to the Integrated Resources Management field. Both academic achievement and financial need will be considered.

Applicants must write a letter to the Financial Awards Committee stating how they meet the above criteria. Application deadline is the last Friday in March.

Peter Weber Memorial Award

This \$500 scholarship was created to provide a continuing memorial to Peter's continual striving for opportunities for academic education and excellence in this region among the many students he taught and will be awarded to the student who achieves the highest grade point average in full-time, first-year University Transfer Arts studies at NWCC; have

been enrolled in a minimum 60% course load during the year and is re-enrolling in the Fall semester.

Eligible students will be selected from the GPA list with final selection by the University Credit faculty.

AWARDS ADMINISTERED OUTSIDE OF NORTHWEST COMMUNITY COLLEGE

Northwest Community College lists these awards only for the information and convenience of both donors and applicants. The College can accept no responsibility for their continuance or any restrictions that may be deemed unfair to any particular group or person.

High School Scholarships and Bursaries

Students entering from high schools in the College region are eligible for a number of locally administered scholarships and bursaries.

For detailed information on those awards available from your school, see your high school counsellor.

Academic Workers' Union, CUPE Local 2406

These awards are on the basis of faculty recommendation to the Union Executive and are normally presented towards the end of the academic year.

1. Jeff Marvin Memorial Bursary

One \$450 bursary for Native students. This bursary was established to provide a continuing memorial to Jeff Marvin's dedication in providing post-secondary education to meet the needs of Indian people in Northwest British Columbia.

2. Rhena Gardiner Memorial Bursary

One \$450 bursary for an Early Childhood Education student. This bursary was established to provide a continuing memorial to Rhena Gardiner's dedication to the education of young children, especially to those with special needs.

A. A. Heaps Scholarship

Two \$3000 scholarships are open to all applicants undertaking full-time undergraduate or graduate studies and who have demonstrated maturity and a commitment to the social ideals which characterized the life of A.A. Heaps. Application deadline is mid-May.

For information on how to apply for this scholarship, contact an NWCC Educational Advisor, or the A.A. Heaps Scholarship Committee, Canadian Labour Congress, 2841 Riverside Drive, Ottawa, Ontario, K1V 8X7.

Association of Universities and Colleges of Canada (AUCC)

1. Imasco Scholarship for Disabled Students

Ten scholarships of \$2,000 each are available for disabled students who are Canadian citizens or have lived in Canada for at least two years as permanent residents. Applicants must be following a degree program under the college-university transfer system. *Deadline is June 1.*

2. Mattinson Endowment Fund Scholarship for Disabled Students

A number of scholarships of \$2,000 each are available for disabled students who are Canadian citizens or have lived in Canada for at least two years as permanent residents. Applicants must be following a degree program under the college-university transfer system. *Deadline is June 1.*

3. National Access Awareness Week Student Awards Program

A number of scholarships of \$3,500 each are available for disabled students who are Canadian citizens or have lived in Canada for at least two years as permanent residents. Applicants must be following a degree program under the college-university transfer system. *Deadline is March 15.*

Application forms are available from the International and Canadian Programs Division, Association of Universities and Colleges of Canada, 350 Albert Street, Suite 600, Ottawa, Ontario, K1R 1B1.

Automotive Industries Ass'n. of Canada

Scholarships of approximately \$400 will be awarded in each of four geographical regions: West, Ontario, Quebec and Atlantic. To be eligible, applicants must be enrolled in an Automotive program which also includes apprenticeship programs. Application deadline is late October.

Application forms are available from any NWCC Educational Advisor, or Automotive Industries Ass'n. of Canada, 1272 Wellington, Ottawa, Ontario, K1Y 3A7.

Bank of Montreal Student Line of Credit

Available to full-time students entering any year of post-secondary education at a recognized Canadian community college, university or technical school. Students can apply for up to \$5,000 per undergraduate year to a maximum of \$20,000. Interest only must be paid during the school year with full payments starting six months after graduation.

For more information call Info Service at 1-800-663-0241 or contact the Bank of Montreal branch nearest you.

Bank of Nova Scotia Student Loan

The Scotia Student Loan is generally available to full-time, part-time, graduate and professional students enrolled in a recognized degree or diploma program at least 2 years in duration. Full-time students can borrow up to \$5,200 per academic year and are required to make only monthly interest payments while in school and for six months after graduation.

Further information is available from your local Scotia-bank branch or from 1-800-972-6842.

B. C. Government Employees' Union Student Scholarship

The BCGEU offers ten \$1000 scholarships each year to students who are BCGEU members or related to BCGEU members or relatives of deceased or retired members. Applicants must be registering in a full-time post-secondary program at a B.C. educational institution or a recipient may be attending studies in another province if the program is not available in B.C. A 1250-1750 word essay on a topic established by the Scholarship Committee is required. Application deadline is February 27th.

Further information is available from The Scholarship Committee, B.C. Government and Service Employees' Union, 4911 Canada Way, Burnaby, B.C., V5G 3W3.

B.C. Hydro Aboriginal Scholarship Program

A total of six \$1,000 scholarships are offered annually throughout the province to Aboriginal students who are currently in Grade 12 and plan to enrol in post-secondary education or who are already enrolled in post-secondary education and have completed their first year of studies. Recipient selection is based on academic standing as well as evidence of a balanced lifestyle, excellent communication skills and innovation. The level of interest in a B.C. Hydro career and financial need will also be considered. Application deadline is mid-January.

Application forms are available from NWCC Educational Advisors, local B.C. Hydro offices.

B.C. Hydro L'Ecole Polytechnique Memorial Scholarship Program

In commemoration of the fourteen women murdered in Montreal, fourteen scholarships of \$1,000 are offered to women enrolling or enrolled in engineering and technology studies relevant to B.C. Hydro careers. Application deadline is mid January.

Application forms are available from NWCC Educational Advisors, local B.C. Hydro offices.

British Columbia Paraplegic Foundation

1. International Year of Disabled Persons Bursaries

In recognition of the International Year of Disabled persons, these bursaries were created to financially assist students with disabilities and will be awarded on merit and the basis of financial need.

2. John MacNeal Scholarship

John MacNeal became a paraplegic in 1953 when he was injured in a logging accident. He owned and operated a lumber mill in Prince George, but when he decided to retire he sold the mill. A member of the Canadian Paraplegic Association, he generously donated funds to establish an annual scholarship to be presented to disabled students in order to encourage them to continue their education. Scholarships are awarded to students in recognition of their academic endeavours and/or to financially assist them with their education.

3. Don Vaux Scholarship

This scholarship was established in memory of Don Vaux who worked for the B.C. Division of the Canadian Paraplegic Association as a Rehabilitation Counsellor. He helped, guided and assisted many disabled persons in their rehabilitation, which enabled them to return to the community and lead a meaningful life. The scholarship is to be awarded to a disabled person to further his/her vocational or academic training and is to be used specifically for tuition, tools, equipment or books.

4. Barbara E. Adams Scholarship

To assist mobility impaired students with a significant degree of disability. For those who with suitable education would have the potential to be financially independent and enjoy a meaningful life and/or who are promising students pursuing an academic or vocational education. Scholarship monies may be used towards tuition, books and supplies, necessary help for study purposes, or transportation costs.

5. I.O.D.E. Bursary For Physically Disabled Persons

This bursary was established after Rick Hansen's World Tour to honour his achievements. The bursary will be awarded to one or more students at the post-secondary level. Winners shall be Canadian citizens in financial need. Monies are to be used to assist with expenses for tuition, text books, transportation or teaching assistance.

6. Douglas John Wilson Scholarship

This scholarship is in memory of Doug Wilson who was employed by the Association for sixteen years. The scholarship will be awarded to an individual beginning or continuing studies

in rehabilitation counselling. Monies to be used for tuition, textbooks, transportation or other educational expenses.

To be eligible for the above awards, the disabled student must be a resident of B.C., Canadian Citizen or Landed Immigrant. Application deadline is July 31. Value of the awards are adjusted annually according to the availability of funds.

Application forms can be obtained by contacting the Scholarship and Bursary Awards Committee, B.C. Paraplegic Foundation, 780 S.W. Marine Drive, Vancouver, B.C. V6P 5Y7.

British Columbia Youth Foundation Loans

Interest-free loans can be made to bona-fide B.C. young people to a maximum age of 30. Loans may be for fees, books and/or a monthly allowance to assist with living expenses when the applicant is not living at home. A suitable adult guarantor is usually required. Applicants should have an aptitude for their chosen field of study and a reasonable chance of success. Hopefully, they should contribute some of their own money to the cost of their education. Students eligible for government loans should first apply to that source.

Further information is available from our NWCC Educational Advisors.

Cal Callahan Memorial Bursary

Bursaries totalling \$5,000 will be awarded by the Pipeline Contractors' Association of Canada to a son, daughter or legal ward of persons who derive their principle income from pipeline construction. The applicant must be enrolled in full-time studies at a recognized Canadian university or college. Deadline is September 30th.

Applications may be obtained from the Executive Office, Pipeline Contractors' Association, 775 St. Andrews, West Vancouver, B.C.

Canadian Forces Personnel Assistance Fund

Offers an Education Assistance Loan Program to assist serving and former members and their dependants with costs of post-secondary education.

To be eligible for a low interest loan of \$1,200, \$1,500 or \$2,000 or \$2,500 the member must have served in the Canadian Army after October 1, 1946, or in the Canadian Forces after January 31, 1968 and have a minimum of 5 years Regular Force military service. The application must be submitted by the service member on behalf of the student. Submission deadline is June 30th.

Application forms are available from Canadian Forces Base Financial Counsellors, District Offices of Veterans

Affairs Canada, and the Provincial Command Offices of the Royal Canadian Legion or from CFPAF, 245 Cooper Street, Ottawa, Ontario, K2P 0G2.

Canadian National Institute for the Blind

For students in this region, the following awards are available through the CNIB:

- 1. William and Dorothy Farrell Scholarship - Varies**
To assist visually impaired individuals who are pursuing studies. Application deadline is April 15 of even numbered years.
- 2. June Gilmore English Memorial Fund - \$400**
To assist blind and visually impaired students attending a post secondary program. *Deadline - April 30.*
- 3. Imasco Scholarship Fund for Disabled Students - \$2,000**
To encourage young Canadian students to pursue university studies with the ultimate objective of obtaining a university degree. *Deadline - June 1.*
- 4. James L. Wood Scholarship - \$500**
To further train or educate visually impaired students at post-secondary levels. *Deadline - June 30.*
- 5. Robinson and Buckland Memorial Bursary (Reader Grant) - \$200**
To provide financial assistance to legally blind full-time post-secondary students. *Deadline - August 15.*
- 6. John and Dorris Corrigan Fund - Varies**
Funding for items not covered by other funding sources. Applicants must be visually impaired and under 30 years of age. *No deadline.*
- 7. Martha Guest Memorial Bursary - \$500**
To financially assist visually impaired students continuing their education. *Deadline - October 30.*
- 8. Lorne Hassan Memorial Fund - \$1,000**
To offer assistance to visually impaired students who wish to further their education. *Deadline - July 30.*
- 9. Carl G. Frink Scholarship - \$1,000**
To provide post-secondary assistance to persons with visual impairments who are not funded by government programs.

10. Rixon Rafter and Judge Brian Stevenson Scholarships - \$300 - \$500

To assist legally blind Canadians pursuing post-secondary studies. *Deadline - September 15.*

11. FJL Woodcock - \$200 - \$400

To assist visually impaired students who are graduating from high school and who wish to continue with their education. *Deadline - March 15.*

Credit Union-Forest Renewal BC Bursary

New ideas are essential to the health and future of the forest industry in BC. Forest Renewal BC and the 96 Credit Unions in BC have teamed up to develop this bursary program to encourage those ideas and to recognize the good ones. In each post-secondary institution in BC, one first-year, one second-year and one-third year student who writes a winning essay will win a \$1,000 bursary. Mature students are encouraged to apply but must indicate their status on their application forms. A similar amount is also available at the secondary level. Details on the essay requirements are available from any Educational Advisor.

Completed forms and essays must be faxed to Frederica Bowden, Forest Renewal BC, Bursary Program Administrator (250) 477-0356 before midnight PST on the first Friday in April.

First Citizen's Fund

Incentive bursaries are available to status, non-status and Metis persons of North American aboriginal ancestry, who are ordinarily resident in British Columbia, and are attending post-secondary provincial institutions on a full-time basis. Non-funded aboriginal students may qualify for a bursary of up to \$2,000 per academic year. Funded students may be eligible for a bursary up to a maximum of \$700 per academic year.

- a) Be enrolled in a minimum two-year college or university program;
- b) Be recommended by a Band Council or bona fide Native organizations;
- c) Submit a self written letter on family background, tribal ancestry and work history.

Applications are available from the Financial Aid Office or from The Ministry of Aboriginal Affairs, 301-908 Pandora Avenue, Victoria, B.C. V8V 1X4.

Terry Fox Humanitarian Award Program

Successful candidates can receive \$4,000 annually, to a maximum of four years or until a first degree is obtained. Applicants must not exceed 25 years of age. The committee

will consider the extent to which candidates demonstrate the highest ideals and qualities of citizenship and academic excellence in the face of obstacles. *Deadline is February 1.*

Application forms are available from any NWCC Educational Advisor, or from Terry Fox Humanitarian Award Program, Simon Fraser University, Burnaby, B.C., V5A 1S6.

Foundation for Education & Advancement in Technology (FEAT)

Offers 22 bursaries to eligible full-time students registered in technology programs accredited by the Applied Science Technologists & Technicians of British Columbia (ASTTBC). NWCC's Natural Resources - Forest Technology Option is eligible. FEAT currently offers:

- 2 @ \$500.00 to the most deserving applicants
- 10 @ \$250.00 to students in 2nd/final year
- 10 @ \$150.00 to students in 1st year

Applications are assessed on academics, application neatness, financial need, community service, career goals, ASTTBC member. *Application deadline is January 31.*

Applications are available from Foundation for Education & Advancement in Technology, 10767 - 148th Street, Surrey, B.C., V3R 0S4.

Imperial Oil Ltd. Higher Education Awards

Provides full tuition and compulsory fees for sons and daughters of employees, annuitants of deceased employees.

Applications forms are available from Administrative Management Services, Awards Division, P.O. Box 414, Pickering, Ontario, L1V 2R6.

Independent Order of Foresters

A series of bursaries, to a maximum of \$500 each, are offered to members in good standing for not less than two years, or the dependants thereof, of the Independent Order of Foresters. Applicants must reside in the jurisdiction of the High Court of British Columbia and Alaska (Province of British Columbia; State of Alaska).

Application deadline is August 31. Application forms are available from: Mr. G. A. Francey, High Secretary, High Court of British Columbia and Alaska, 1902 London Street, New Westminster, B.C., V3M 3E5.

Interior Logging Association

1. \$1,000 Forestry Scholarship

Open to any graduating student in the Interior Logging Association operating area enrolling in full-time studies in a forestry related discipline.

2. \$1,000 Member Scholarship

Open to students who are immediate relatives of Interior Logging Association members or employees of member companies.

3. \$1,000 Associates Scholarship

This scholarship is awarded to the Interior Logging Association affiliated applicant with the highest academic standing in a Business Administration discipline.

4. \$1,000 Trades Scholarship

Open to students of an Interior Logging Association member enrolling full-time in a trades program such as Heavy Duty Mechanics, Professional Truck Driving, Heavy Duty Machine Operators, Welding or similar program that leads to employment in the logging industry.

For more information contact Interior Logging Ass'n., 202 - 635 Victoria Street, Kamloops, B.C. V2C 2B3.

International Sailors' Society Canada

Patrick F. Graham Bursary

The Society wishes to maintain its interest and concern in the training of men and women for the sea, and to this end provides a \$250 bursary to assist students with expenses related to maritime studies.

Application deadline is March 15. Application forms are available from any NWCC Educational Advisor, or from the International Sailors' Society Canada, 1412 - 675 West Hastings Street, Vancouver, B.C. V6B 1N2.

Kaien Consumers Credit Union

Provides a \$750 bursary to a student who has been an active member in good standing of the Kaien Consumers Credit Union for at least 6 months prior to the date of application.

Additional information is available from any NWCC Educational Advisor.

Kermode Friendship Society

These bursaries are intended to assist students who are continuing their education at university, college, vocational, technical or other post-secondary institutions.

To be eligible, a student must: provide proof of registration; and, provide a transcript showing at least one successful semester (except for first-time students).

Students can re-apply for assistance in following years. Bursary amounts vary between \$100 and \$1,000. Deadlines are October 30 and mid February depending on funds available.

For more information contact any NWCC Educational Advisor, or from the Society at 3313 Kalum Street, Terrace, B.C. V8G 2N7.

Magna For Canada Scholarship Fund

Provides a \$5,000 award to each of ten regional winners from across the country, one of whom is selected as the national winner who receives an additional \$5,000. Upon graduation, the National Winner will be offered a paid one year internship with the CEO of Magna International Ltd., and the regional winners will be offered paid summer internships within the company. *Deadline is May 15.*

Applicants must submit a proposal responding to the question "If you were the Prime Minister of Canada, what would you do to improve living standards and unite the country?"

Application information is available from any NWCC Educational Advisor or from Magna for Canada Scholarship Fund, 36 Apple Creek Boulevard, Markham, Ontario, L3R 4T4

MENSA Canada Scholarships

\$1,000 in awards for students enrolled in a full-time degree or diploma program. Essay required. *Deadline is February 28th.*

Application forms are available from Scholarship Co-ordinator, Mensa Canada, Box 1025, Station O, Toronto, Ontario, M4A 2V4.

Mills Memorial Hospital Award

The Auxiliary makes three awards yearly to local residents who are entering or continuing training in a medical vocation and who are planning to practice their profession in the local area.

- one award to a student graduating from a local high school.
- one award to a student who has previously attended a local high school, and has successfully completed one full year of training in the health field.
- one award to a local resident, currently employed in the health field and planning to continue their education in the health field full time for at least one year.

Further information and application forms are available from any NWCC Educational Advisor or from the Secretary of Awards Committee, Mills Memorial Hospital Auxiliary, Box 506, Terrace, B.C., V8G 4B5.

Bill and Elsie More Memorial Award

In memory of loving parents Bill and Elsie More, several bursaries (to a total of approximately \$1000 per year) have been made available through the Bill and Elsie More Indian

Bursary Fund of the Vancouver Foundation to assist native students in B.C. for post-secondary education. Preference will be given to applicants in the helping professions such as: education, social sciences, nursing/medicine, law and theology. The award is open to status and non-status Indian students in any post-secondary institute. Students should submit a letter of self-description, expressing their sincerity and interest in accomplishing their educational goal plus demonstrated financial need.

Applications can be submitted any time and should be sent to: Dr. Arthur J. More, UBC Faculty of Education, 2125 Main Mall, Vancouver, B.C., V6T 1Z5.

Frank Morris/Royal Canadian Legion Branch #13

This bursary was established from the estate of Frank Morris, an early and long-time resident of Terrace. Bursaries of varying amounts are awarded each year to students pursuing post-secondary study. The criteria used are scholastic ability, character, and a relative of someone who has been a resident of Terrace when enlisting in the Armed forces, or who has resided in Terrace for five years after honourable termination from the Service. The applicant must have been a Terrace resident for the immediate past two years. *Deadline is June 15 of each year.*

Applications should be returned to Branch #13, Royal Canadian Legion, 4425 Legion Ave., Terrace, B.C., V8G 1N7, Attn: M. Burdett.

Mungo Martin Memorial Awards Society

Candidates for awards must be of Indian racial background and must live in B.C. at the time of application. These awards are open to those who wish to further their general education skills and, in particular, to those who seek to do creative work to further the artistic heritage of the Indian peoples. Awards are normally expected to be from \$100 - \$500 at the discretion of the directors.

Applications are available from the Society, c/o Lucy Galloway, P.O. Box 883, Qualicum Beach, B.C. V0R 2T0.

National Access Awareness Week (NAAW) Student Awards Program

The Association of Universities and Colleges of Canada (AUCC) has established an award to encourage students with disabilities to pursue a university or college education which will ultimately prepare them to become active members of Canada's labour force. Each full-time scholarship is valued at \$3,500; part-time scholarships will be based on percentage of full-time course load.

Completed applications and required supporting documentation must be postmarked no later than March 15th. Further

information and application forms are available from any NWCC Educational Advisor, or the Canada Awards Program, AUCC, 350 Albert Street, Suite 600, Ottawa, Ontario, K1R 1B1.

Pacific Association for Continuing Education (PACE)

The PACE fund has been established to assist part-time or short-term adult students, demonstrating financial need, to achieve continuing education goals. Amounts awarded shall vary between \$100 and \$700 for any one course of study. Bursaries are awarded in December. Proof of registration and pre-payment of fees must be submitted with the application form. *Application deadline is September 30th.*

Further information and application forms are available from any NWCC Educational Advisor.

Pacific Coast Fishermen's Mutual Marine Insurance Company

1. Bursaries of \$600 each are available to sons, daughters or legal wards of past or present members of the Company.

2. Harold Arvid Christenson Memorial Scholarship Fund

Number and amount of these scholarships will be determined by the Board of Directors of the Company. Available to sons, daughters or legal wards of past or present members and employees.

Deadline for application is September 1. Application forms are available at Suite 200 - 4529 Canada Way, Burnaby, B.C. V5G 1H1.

Prince Rupert Regional Hospital Awards

Scholastic standing will be of prime importance in awarding the following scholarships.

1. **Dr. R.G. Large Scholarship** of \$750 is available to a graduating student or former graduate of Charles Hays Secondary School who is enrolled in a registered nursing program at either a community college or university.

2. **Dr. L.M. Greene Scholarship** of \$750 is available to a graduating student or former graduate of Prince Rupert Senior Secondary School student who is enrolled in a program in the health care field at either a community college or university.

Please contact either high school for application information.

Public Trustee Educational Assistance Fund

Bursaries up to \$3,150 each are available to students who are former permanent wards or who were in the continuing care of the Personal Trust Officer. *Deadline is April 15.*

Application forms are available from the Public Trustee of BC, Suite 600 - 808 West Hastings, Vancouver, B.C. V6C 3L3.

Bernard G. Robinson Scholarship Fund

A \$500 scholarship is available to students who are staff or family members of staff employed by the Provincial or Federal Criminal Justice Agencies; persons or family members employed by agencies active in the Criminal Justice field; persons who have demonstrated a commitment to the Criminal Justice field through voluntary activities or an offender pursuing post-secondary education. *Deadline is July 31.*

Applications are available from Selection Committee, B.G. Robinson Scholarship Fund, 4545 Montford Crescent, Victoria, B.C. V8N 3W6.

Hal Rogers Endowment Fund

Established by Kinsmen & Kinette Clubs of Canada as a legacy to founder Harold Allin Rogers. The fund is to promote, encourage and sponsor educational programs and activities. To be eligible an applicant must be a Canadian citizen or landed immigrant, plan to register full-time at a recognized University, College or Technical Institute, demonstrate high ideals and qualities of citizenship, and have the application endorsed by a Kinsmen, Kinette or Kin Club.

Application deadline is March 1.

Applications are available from Educational Advisors at any Northwest Community College campus.

Royal Canadian Legion (Pacific Command)

The Royal Canadian Legion (Pacific Command) offers annually awards ranging from \$900 to \$1500 for students wishing to enter an institution of higher learning. Some awards will also be available to those entering second, third or fourth year university. Although others are considered, preference is given to descendant children and grandchildren of deceased, disabled or other veterans. *Deadline is May 31.*

For application forms and further information contact any NWCC Educational Advisor or your local Legion. Completed applications are to be returned to: Pacific Command, The Royal Canadian Legion, 3026 Arbutus Street, Vancouver, B.C., V6J 4P7.

St. Leonards' Society of Canada

Two bursaries of \$500 each are available to ex-offenders who plan to take post-secondary training or job or trades training. The bursaries are in the name of Neil Libby who was the founder of the St. Leonards' Society.

For further information, contact the Executive Director, St. Leonards' North Shore, 312 Bewick Avenue, North Vancouver, B.C., V7M 3B7, or phone 980-0830.

Society of Vocational Instructors of B.C./Yukon

On an annual basis, the Society will award one \$100 bursary to a full-time student in a vocational program at each institute which is an institutional member of the society. Recipients will be selected on demonstrated financial need and performance in a vocational program.

Application forms are available from Fred Adair at Northwest Community College, Terrace Centre.

Sons of Norway Foundation in Canada

Three scholarships of \$600 each and three bursaries of \$400 each are offered by Sons of Norway Foundation in Canada to students who have shown interest in Norwegian culture, history or language. They are open to students who show evidence of sound academic performance and financial need. The awards are tenable at any recognized College, Vocational Institute or University in Canada and can be for any study year. *Deadline is July 30.*

Apply to: Sons of Norway Foundation in Canada, 1020 Glenayre Drive, Port Moody B.C., V3H 1J6.

Weyerhaeuser Canada

Awards are available to aboriginals, women, visible minorities or persons with disabilities enrolled in a university degree or college diploma program which is relevant to a career represented by Weyerhaeuser Canada. Two \$2,000 awards may be granted for university students and two \$1,000 awards may be granted for college students.

Applications will be accepted between April 1 and June 30. Application forms are available from the Diversity Education Awards Program, Weyerhaeuser Canada Ltd., P.O. Box 800, Kamloops, B.C., V2C 5M7.

Katharine Whiteside Taylor Bursary

In recognition of Katharine's lifelong commitment to co-ops, Parent Cooperative Preschools International offers an annual \$500 bursary to a student who has completed at least half of the Early Childhood Education program at an accredited Canadian College. Applicants will be required to submit a transcript of current grades and write a paper dealing with the philosophy of parent participation.

Application deadline is March 1. Application forms are available from NWCC Educational Advisors or from PCPI, c/o 121 Nelson Street, Alliston, Ontario, L9R 1H4.

AWARDS ADMINISTERED BY UBC AND TENABLE AT NORTHWEST COMMUNITY COLLEGE

The University of B.C. administers a number of awards which are tenable at other institutions in B.C. Students should consult the most recent edition of the UBC calendar for details of the awards. Application forms can be obtained from the College or UBC and must be submitted by May 15th.

- 04707.00 DAIRY Industry Credit Union Scholarship
04786.00 The William L. HURFORD Memorial Scholarship
04718.00 ILWU Harry Bridges Entrance Scholarship
04804.00 ILWU Local 517 Bud Smith Scholarships
00558.01 ILWU Thomas P. Mayes Scholarship
00530.00 ILWU Harry Bridges Undergraduate Scholarships
00666.00 ILWU Ralph Scruton Memorial Scholarship
04731.00 PIPING Industry Journeyman Training and Industry Promotion Fund Scholarship
04779.01 RETAIL Wholesale Union Local 517 Scholarship
07672.01 RETAIL Wholesale Union, Local 580 Bursary
07939.00 RETAIL Wholesale Union, Local 580 Stan Colbert Bursary
04803.00 TELECOMMUNICATIONS Workers Union - J. Douglas Booth Memorial Scholarship
04795.00 TELECOMMUNICATIONS Workers Union Scholarships
04793.01 TELECOMMUNICATIONS Workers Union, Thomas Ward Stanley Memorial Scholarship
00547.01 UNITED Food and Commercial Workers Union, Local 1518 Scholarships
04780.00 VANCOUVER Sun/The Province College Entrance Scholarship

STUDENTS TRANSFERRING TO UNIVERSITY AND BCIT

Three of the B.C. universities, BCIT and Lakehead University in Ontario and the University of Alberta offer entrance scholarships directed at those students transferring from a Community College. Students entering specific faculties may be eligible for additional awards. These and other entrance awards may also be available to students entering university directly from high school. Consult individual calendars for more information.

BCIT ALUMNI ENTRANCE AWARD

The Alumni provides entrance awards for students who are coming to BCIT after taking one or more years since high school for activities such as work or attending another post-secondary institution. Awards equivalent to one year's tuition will be available for students entering either Trades or Technologies.

Applications and information can be obtained from the BCIT Alumni Affairs office, BCIT, 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2.

LAKEHEAD UNIVERSITY TRANSFER AWARDS

Open to transfer students who register as full-time undergraduate students at Lakehead University. Awarded on the basis of academic performance in the most recent year of full-time studies, in an academic program at an accredited Community College or University. Students need not have completed a degree or diploma. Scholarship values depend on the quality and number of eligible students in a given year. *Deadline date is June 30.*

Application forms are available from the Lakehead University Financial Aid Office, Lakehead University, 955 Oliver Road, Thunder Bay, Ontario, P7B 5E1.

UNIVERSITY OF ALBERTA

The University of Alberta offers the following *Scholastic Distinction Scholarships* to students entering or transferring to the university to complete their first undergraduate degree. Applicants must have an average of 95% or better. All are distributed over four years of study. *Deadline is April 1.*

1. President's Citations

Seven awards valued at \$25,000 each.

2. Chancellor's Citations

Fifteen awards valued at \$15,000 each.

3. Dean's Citations

A number of \$10,000 awards are available to students in specific faculties.

The following *Leadership Awards* are available to students transferring from a post-secondary institution to the university; having exceptional leadership qualities. *Deadline is March 15.*

1. Max Wyman Memorial Transfer Scholarships

Two awards valued at \$5,000 each. Applicants must have first class standing (at least 80%).

2. Hu Harries Memorial Awards

Two awards valued at \$2,500 each for a student who is or has been an employee or volunteer of the YMCA (or similar institution).

Applications are available from any NWCC Educational Advisor.

UNIVERSITY OF BRITISH COLUMBIA

Chancellor's Entrance Scholarship

The University of British Columbia offers up to five awards of \$3,500 each to outstanding students entering undergraduate programs from a College or university. The awards are based primarily on scholarly achievement. The award may be renewed for a further two years or until the first undergraduate degree is completed (whichever is the shorter period). Application deadline is mid-May.

Charles A. and Jane C.A. Banks Foundation Entrance Scholarships (from Regional Colleges or Universities)

Four \$2,500 scholarships are offered to outstanding students entering the Faculties of Science, Applied Science (Engineering), Forestry, Pharmaceutical Sciences or Agricultural Science, from a college or university other than UBC. The awards are based primarily on scholarly achievement and may be renewed at a minimum of \$2,500 for a further three years of study or until the first undergraduate degree is obtained (whichever is the shorter period). Deadline is mid-May.

Norman A.M. MacKenzie Regional College Scholarships

In honour of Dr. Norman MacKenzie, President of UBC from 1944-1962, nine scholarships of \$2,000 each are offered to students proceeding from one of B.C.'s regional or Community Colleges to UBC. Winners will be selected primarily on the basis of high scholastic achievement, but personal qualities and activities will be considered. Applicants must be Canadian citizens or permanent residents. *Deadline-mid May.*

To apply for these awards you must submit:

- a completed application form;
- 2 letters of reference - from instructors;
- an official college/university transcript for the most recent period of full-time study;
- an official senior secondary school transcript;
- a statement no longer than 200 words detailing general interests and activities, proposed course of study and future career plans.

Applications are available from any NWCC Educational Advisor.

John B. Macdonald Alumni Bursaries

A number of bursaries totaling \$15,000 are awarded in honour of John B. Macdonald, President of UBC from 1962 to 1967, to students entering the University in the fall from BCIT or a regional college in B.C. Selection of the winners will be based on academic ability and financial need.

Students wishing to apply should do so on the General Bursary Application, available from the UBC Awards Office in early September, with an October 1st deadline.

SIMON FRASER UNIVERSITY

B.C. College Transfer Entrance Scholarships

1. The Honourable William M. Hamilton College Transfer Scholarships

The \$10,000 award is to recognize high academic achievement and leadership potential and is distributed over four semesters.

2. The Ken Caple College Transfer Scholarships

This \$3,500 award is to recognize outstanding academic performance and is distributed over two semesters.

3. Dean's Scholarships

Scholarships valued at \$7,000 are awarded within each of the faculties of Applied Sciences, Arts, Business Administration, Education and Science to recognize academic achievement and potential in a particular area of study. Awards are distributed over four semesters.

4. Faculty Entrance Scholarships

Entrance scholarships are also available to students pursuing studies in programs offered by the following faculties:

- Faculty of Applied Sciences
- Faculty of Arts
- Faculty of Education
- Faculty of Science
- Faculty of Business Administration

To apply for any of the SFU awards you must submit:

- a completed application form;
- official transcript
- 2 letters of reference from college faculty members;
- a 1 page resume;
- a 1,000 word essay described on the application form.

Winners of #1, 2, & 3 SFU scholarships will also receive a one-time \$500 travel allowance if they live outside school districts #34-45. Application deadline is April 15 for admission for Summer and Fall semesters and September 30 for the Spring semester. Applications are available from any NWCC Educational Advisor, or from Student Recruitment Awards, Office of the Registrar, SFU, Burnaby, B.C. V5A 1S6.

UNIVERSITY OF VICTORIA

President's Regional Entrance Scholarships

Four scholarships of \$2,000 are awarded annually within each college region in B.C. to students with high academic standing and broad interests who are entering the University of Victoria directly from B.C. secondary schools or regional colleges. Normally one of the four scholarships in a region is reserved for a college student. The assessment of the academic standing of the secondary school students will be based on both secondary school course and Provincial Scholarship Examination results. The assessment of regional college students will be based on college course results.

A student may become a candidate for a scholarship either by applying in writing directly to the University of Victoria Senate Committee on Awards or by nomination solicited annually by the University from the principals of the secondary schools and community colleges in B.C. Recipients will be chosen by the Senate Committee on Awards. Normally the names of award winners will be announced by May 31; final confirmation of the secondary school recipients will take place after the release of the Provincial Scholarship examination results in the summer.

The John Locke Malkin Entrance Scholarships

Up to six scholarships to a maximum of \$22,500 each (disbursed over five years) are made annually to students of exceptional academic promise who are entering the University of Victoria from secondary school and/or college. Candidates must have a very strong academic record in their last two years of study.

A student may become a candidate for the scholarship either by applying in writing directly to the University of Victoria Senate Committee on Awards giving the name of his or her school together with the principal's name or by nomination solicited annually by the University from principal of secondary schools and colleges. The completed set of application and nomination material must be received by the University no later than March 15th. Normally award winners will be announced by May 31. **

T.S. McPherson Scholarships

Two at \$22,500 (disbursed over five years)

Eight at \$15,000 (disbursed over five years)

These awards are for students of exceptional promise who are entering the University of Victoria from secondary school or college. Normally two awards are reserved for college students.

Candidates must have a very high academic record in their last two years at secondary school and/or community college.

Secondary school candidates must have achieved outstanding scores on the B.C. Provincial Government Scholarships examinations. Approximately fifteen candidates will be selected by the University of Victoria Senate Committee on Awards for personal interviews during May and June on the basis of their results in academic courses and recommendations by the principals of their schools and colleges as to their academic excellence, breadth of interests and leadership qualities. The final selection will be made by the Senate Committee after all grades are available. A student may become a candidate for the scholarship either by applying in writing directly to the University of Victoria Senate Committee on Awards giving the name of his or her school together with the principal's name or by nomination solicited annually by the University from principals of secondary schools and colleges.

*The completed set of application and nomination material must be received by the University no later than March 15. Normally award winners will be announced by May 31. Final confirmation of the secondary school recipients will take place after the release of the Provincial Scholarship Examination results in the summer. ***

** John Locke Malkin and T.S. MacPherson Scholarships

If a student maintains a grade point average of 7.50 or better, the scholarship is automatically renewed (and could be increased with exceptional performance) for each year of the student's full time study (15 units) until completion of a first degree or for a maximum of five years, which ever is the shorter period. A student whose grade point average falls between 7.00 and 7.49 may file a written appeal with the Senate Committee on Awards to seek special consideration for the renewal of the scholarship. No renewal will be considered if a student's average falls below 7.00. In extenuating circumstances, a student may, upon application to the Senate Committee on Awards, defer the acceptance of the initial scholarship or may defer the renewal of a scholarship for a maximum of one year.

David Brousson Entrance Scholarship; Ian and Gillian Stewart Entrance Scholarship; and, University of Victoria Entrance Scholarship

\$2,000 scholarships are awarded annually to students with high academic standing who are entering the University of Victoria directly from secondary school or college.

Application deadline is April 15.

PERSONNEL

COLLEGE SERVICES - (250) 635-6511

(located in Terrace)

Beth Davies, B.A. (Sussex), M.A. (UBC), Ed.D. (Nova) (to June 30/98)... Acting President
Michael Hill, B.Sc. (UVic), M.A. (U. Manitoba) (on leave to June 30/98) President
Barbara Sheridan President's Assistant/Board Secretary
Patrick Rife, B. Comm. (UBC), C.A. Bursar/Vice President, Administration
Carol Reynolds Administrative Assistant

FINANCE

Cynthia Preyser-Wreggitt Financial Analyst

Tito Avila Co-ordinator, Accounting Services
Elizabeth Gairdner Accounts Clerk
Charlotte Robinson Accounts Receivable
Joyce Wood Accounts Payable

Virginia Cooper Payroll Officer
Amanda Checkley Payroll Assistant

FACILITIES/MAINTENANCE

Peter Crompton Manager, Facilities/Maintenance
Les Hill Maintenance Engineer
Bill Mikaloff Chief Engineer
Brian Quinn Maintenance Engineer
Tom Yeager Groundskeeper

HUMAN RESOURCES/PERSONNEL

Sheila McDonald, B. Journalism (Carleton) Director, Human Resources
Linda McMurray Personnel Officer
Carol Reynolds Personnel Assistant

INFORMATION & COMMUNICATION SYSTEMS

Todd Taylor Co-ordinator
Nolan Beaudry, Electronics Diploma (NWCC) Electronics Technician
Paul Fleming Information Systems Technician
Ken Hawkins Electronics Technician Assistant

LEARNING RESOURCE CENTRE REGIONAL SERVICES

Liz Ball, B.Ed, MLS (U. Alberta) College Librarian, Technical Services
Earla Peden Library Assistant, Acquisitions

PURCHASING

Donna Marken Purchasing Co-ordinator

EDUCATION & STUDENT SERVICES

Brian Loptson, B.Sc. (UBC) Director, Education & Student Services
Larisa Tarwick, M.A. (Pacific Oakes) Manager, Program Support
Rhonda Ross Administrative Assistant
Bev Kealy Registrar
Dianne Bell Sr. Student Records
Laura Biagioni Awards Administrator/Student Records
Sandra Bullock Co-operative Education Co-ordinator

Karen Chrysler, BSW (UVic) Supported Child Care Transition
..... Project Co-ordinator/Instructor
Elizabeth Snyder, B.Phys.Ed. (U.N.B.), B.S.W. (UVic) Services for Students
..... with Disabilities Co-ordinator

CENTRAL REGION - (250) 635-6511

(located in Terrace)

Peter Colebrook, E.Ed. Director, Central Region

TERRACE CENTRE - (250) 635-6511

Peter Colebrook, E.Ed. Centre Manager
Lynn Perrin Administrative Assistant
Lynne Nordstrom Switchboard

ACCESS SERVICES

Ella Goodlad Access Services Co-ordinator/Student Financial Aid
Lynn Bennett Admissions Officer
Mae Derrick, B.A. (Carleton) First Nations Co-ordinator
Ian Hamilton, B.A. (Trent), Prof. Teach. Cert. (SFU) Educational Advisor
Shelley Koopmans Registration Clerk
Nancy Ross, B.Sc. (Agr) (Guelph), Prof. Teach. Cert. (SFU) .. Career Education Specialist
Michael Tugwood Registration Clerk
Dina von Hahn, B.A. (UVic), Prof. Teach. Cert., PBD (SFU). Student Success Co-ordinator

ANCILLARY SERVICES

Tony Reddy, Escoffier, Royal Hibernian, Dublin. C.C.C. Manager, Campus Services
Marilyn Bennett College Store Administrator
Randy Chalifoux Cafeteria Supervisor
Dale Creek Security
Anna Dodd Food Steward, Cafeteria
Margo Fleming Residence Assistant
Ed Hess Print Shop Operations/Mailroom
Mark Hoefling Cafeteria Services
Bob Jesson Warehouse/Delivery
Rudy Motschilnig Security
Mary McNeice Daycare Supervisor
Saroj Sharma Daycare Assistant
Barbara Steinbrenner Daycare Assistant
Terry Walker Daycare Assistant
Alan Weston Sr. Warehouseperson/WHMIS

EXTENSION/CONTINUING EDUCATION SERVICES

Peter Haigh, Inter Prov. "A" Welding Cert, PID (UBC), DAE (VCC) Co-ordinator
Fred Adair, Assoc. Arts Degree (NWCC), PID (VCC), WCB & Red Cross
Certified First Aid First Aid Instructor
Bruce Fisher First Aid Instructor
Brenda McCarron, PID (VCC) Program Officer
Coleen Taylor Program Officer

LIBRARY/LEARNING RESOURCE CENTRE

Patti Barnes, B.A., MLS (U.Alberta) College Librarian/LRC Co-ordinator
 Louise Chaput Library Assistant, Evening/Weekend Circulation
 Penny Llewellyn (on leave) Library Assistant, Circulation
 Judy McCloskey, Lib. Tech. Dip. (UCFV) Library Technician, Cataloguing

PROGRAM SUPPORT SERVICES

Leslie Campbell Industry/Trades/Health/ECE
 Sandy Chemko CCP /FSW/Cook Training
 Eleanor Dacey UC/Bus/SSW
 Frieda Dams UC/Bus/SSW

FACULTY/INSTRUCTORS**Adult Special Education**

Debbie Holkestad, BSW (Hon) UVic, Assoc. Arts Dip., PID (VCC) Co-ordinator
 Sharon Proctor, SSW Cert., PID (VCC) Instructional Support
 Barbara Vandermeer, SSW Cert. Instructional Support

Applied Computer Technology

Phil Bialobzyski, B.Sc.(Hon)(Alberta), M.Sc.(McMasters), B.G.S.(Athabasca) Co-ordinator
 David Cake, B.Sc., M.Sc. (UVic) Instructor
 Joe Murphy, B.A., B.Ed (UBC), Inter Provincial Carpentry Instructor

Business Administration/Office Administration

Grant Bennest, Bach. of Comm. (UBC) Co-ordinator/Instructor
 John Campbell, B.Sc. (McGill), Ph.D. (Waterloo), MBA (UBC), CGA, Instructor
 Ann-Marie Merkel, Dip. Bus. Admin. (NWCC) Instructor
 Loralee Cordeiro Instructor Support
 Cathay Sousa, C.G.A., PID (VCC) Instructor

Career & College Prep

Larry Bolingbroke, B.A. (UBC) Co-ordinator/Instructor
 Pat Carson, B.Sc. (SFU), Prof. Teach. Cert. Instructor
 Nirmal Parmar, B.Ed., M.A. (Punjab U.), Prof. Teach. Cert. Instructor
 Jack Perry, B.Ed. (U.Sask.) Instructor
 Nancy Ross, B.Sc. (Agr) (Guelph), Prof. Teach. Cert. (SFU) Instructor
 Ada Sarsiat, B.Ed. (UVic), Mad.Ed. (St.F.Xavier), Prof. Teach. Cert. Instructor
 Elaine Walker, B.A. (Concordia), PID (VCC) Instructor

Early Childhood Education

Marc Battle, B.A. (York U.), Dip, ECE (Durham College) Instructor
 Karen Chrysler, BSW (UVic) SCCTP Co-ordinator/Instructor
 Rosemarie Goodwin, B.Ed. (U.Alberta), M.A. (Pacific Oaks) Co-ordinator/Instructor
 Nancy Hogue, B.Sc. (Notre Dame), M.A. (UVic) Instructor
 Joan Turecki, M.A. (Pacific Oaks), Fine Arts Dip. (VSA),ECE Cert. Instructor

Industry/Trades

Jim Bathgate, Bach. of Voc./Tech Ed. (Regina), Inter Provincial H.D. Mech. & Ind. Mech. (Millwright) Co-ordinator/Instructor
 Dave Beatty Professional Driving Instructor
 Dick Coxford, Inter Provincial Carpentry Carpentry Instructor
 Nick Garcia, B.A. (Econ.), Diploma (Hon.) Cooking (NAIT), Cert. Baking & Pastry Arts (C.I.A., N.Y.), Journeyman Cook, Journeyman Baker Culinary Instructor
 Ivar Hemes, T.Q. Carpentry Carpentry Instructor
 Emile Marchand, "A" Welding Certificate Welding Instructor

Integrated Human Services

Cheryl Brown, B.Sc.N. (U.Manitoba) Instructor
 Doug Foster, B.A. (York), M.S.W. (UBC) SSW Coordinator/Instructor
 Rosemarie Goodwin, B.Ed. (U.Alberta), M.A. (Pacific Oaks) SEA Co-ordinator
 Jake Muller, B.A. (Guelph), M.A. (Dalhousie) SSW Instructor

Natural Resources

Trish Nuyten, Forest Tech. Dip. (CNC), Bus. Admin. Dip. (NWCC) Co-ordinator
 Ken Downs, B.A. (Geog.) (Wisconsin) Regional Coordinator/Instructor
 Jonathan Milne Instructor
 Paul Spenser, Forest Tech Dip. (NWCC) Instructor/Lab Technician

University Credit

Peter Anderson, B.Sc. (Hon.), M.Sc. (SFU) Math/Cmpt/Phys Instructor
 Rocque Berthiaume, B.A., M.A. (Carleton) Anth/Soci Instructor
 Wendy Biffle Science Lab Technician
 Leanne Boschman-Epp, B.A., M.A. (U. Sask.) (on leave) Engl Instructor
 Alan Gilchrist, B.Sc. (Hon.) (U. St. Andres, UK), Ph.D. (U.Liverpool, UK), Geog/GIS Instructor
 Glenn Grieve, R.P. Bio., B.Sc. (SFU), M.A. (UCLA), Prof. Teach. Cert. (SFU) Biol Instructor
 John Hart, B.A., B.Ed. (U.Alberta), M.A. (U.Oregon), Ph.D. (U.Guelph)/Hist/Pol/Instructor
 Don Hill, Dip.Bio.Tech. (BCIT) Sr. Science Lab Technician
 Norma Kerby, B.Sc. (Hon.) (UBC), Ph.D. (Carleton), R.P. Biol. Biol/Geog Instructor
 Andre Klingner, B.A., M.A. (Hollins College), R. Psych (B.C.) Psychology Instructor
 John Krisinger, B.Sc., M.Sc., Ph.D. (Bonn) Chem/Biol Instructor
 Sid Nair, Dip. Chemical Engr. Tech. B. Engr. (Lakehead) M.Sc.(Chemical Engr.) (Queen's), C.P. Eng. (Australia) Chem Instructor
 Ross Nicholson, B.S.A., B.A., (U.Sask), M.Sc. (UBC) Biol/Geog Instructor
 Eric Turner, B.Sc. (Hon.) (Waterloo), Ph.D. (UBC) Math/Phys/Cmpt Science Instructor

NASS VALLEY CENTRE - (250) 633-2292/2293

Ray Guno, B.A., Psy P.D.P (SFU) CCP Instructor

STEWART CENTRE - (250) 636-2770

Gina McKay Community Education Administrator

EASTERN REGION - (250) 847-4461

(Located in Smithers)

T.B.A. Director, Eastern Region

HAZELTON CENTRE (250) 842-5291

Kate Greenall Centre Manager
 Margaret Brown Admissions
 Patrick Hayes, Prof. Teach. Cert. CCP Instructor
 Leah Marshall Registration
 Carol Pritchard Support
 Marion Oke B.A. (Toronto), B.Ed. (Queens) Educational Advisor/Education Specialist
 Debby Jackson Continuing Education
 Cheryl O'Connell Community Liaison

HOUSTON CENTRE - (250) 845-7266

Brenda Andersson Centre Manager
 Patti Bruce Cashier/Reception
 Charlotte Gorley Sr. Centre Clerk
 Lloyd Green Welding Instructor/Trades Coordinator, Eastern Region
 Jeannie Johnson Educational Advisor
 Sandi Lavallie CCP Coordinator/Instructor
 Bill Leber Basic Skills Upgrading Instructor
 Dee McRae Basic Skills Upgrading Instructor
 Lois Miller CCP Instructor
 Kuya Minogue, M.Ed Accelerated CCP Instructor
 Sharon Smith BC Benefits Instructor
 Terri Stewart Community Liaison/Extension
 Dave Townsend CCP Instructor
 Tanya Widmark Administrative Officer/Extension
 T.B.A. Student Support Specialist, Eastern Region

SMITHERS CENTRE - (250) 847-4461

Stephen Doyle, B.Sc., M.A. (UVic) Centre Manager
 Heather Anderson Clerk
 Kelley Beadman Office Admin, Instructional Assistant
 Sandra Clark, PID Office Admin, Instructor & Distance Education
 Alec Deas, B.Sc., M.Sc. (UBC), Prof. Teach. Cert. CCP Instructor, Smithers
 Sylvia Golke, B.Sc., MLS (U.Wisconsin) Library Technician
 Mary Hiemstra Clerk
 Allen Johnson, B.Sc., M.Sc. (U.Alberta) Natural Resources Instructor
 Terrie McAloney, Diploma (SAIT), PID (VCC) Office Admin, Instructor
 Heather McMahon Natural Resources Instructor/Technician
 Carol Palm Admissions
 Sheila Peters, B. Journalism (Carleton), PID (VCC) Educational Advisor
 Rosamund Pojar, B.Sc. (Nottingham), M.Sc.(UWO) Natural Resources Instructor
 Fiona Ramsay Career/Education Specialist
 T.B.A. Continuing Education
 Harold Reedy, A.Sc.T. (CNC), PID (VCC) Natural Resources Instructor
 Regina Saimoto Natural Resources Instructor
 Katharine Staiger, B.Sc. (Guelph) CCP Instructor
 Cathy Stanton Program Assistant, Forestry Continuing Studies Network
 Dave Weaver, B.Sc. Forestry (Toronto), R.P.E. (on leave) Natural Resources Instructor
 Carmen Wheatley, R.R.P.F., B.Sc. Forestry (UBC) Program Manager, Forestry Continuing Studies Network

SOUTHERN REGION - (250) 632-4766

(Located in Kitimat)

Tom Weegar, M.E.S. Director, Southern Region

KITIMAT CENTRE - (250) 632-4766

Tom Weegar, M.E.S. Centre Manager
 Nancy Gray Administrative Clerk
 Lynn Gould, B.A. (UVic), P.I.D (VCC) Educational Advisor/Education Specialist
 Linda Irvin Administrative Assistant
 Tracy Kenny, P.I.D. (VCC), Off. Mgmt Dip. (NWCC) (on leave) Administrative Clerk
 Carol Larsen Administrative Officer
 Dawn Nash Administrative Clerk

FACULTY/INSTRUCTORS**Applied Technology**

Stella Webster, B.Sc. (UWO) Co-ordinator/Instructor
 Elvin Petersen Instructor

Career & College Prep

Christine Wozney, B.A. (UBC) Co-ordinator/Instructor
 Cheryl Carlson Instructor
 Terry Stephan, B.Sc. (SFU) Instructor

Office Administration

Debbie Rocha Coordinator/Instructor
 Debbie Taylor, P.I.D. (VCC), Bus. Admin. Dip. (NWCC) Instructor

Occupational First Aid

Iona Kenny Instructor

WESTERN REGION - (250) 624-6054

(Located in Prince Rupert)

Beth Davies, B.A. (Sussex), M.A. (UBC), Ed.D. (Nova) Director, Western Region

PRINCE RUPERT CENTRE - (250) 624-6054

Beth Davies, B.A. (Sussex), M.A. (UBC), Ed.D. (Nova) Centre Manager
 Rhoda Burke Administrative Clerk
 Emilia McConville Administrative Assistant

EXTENSION/CONTINUING EDUCATION SERVICES

Debbie Stava Co-ordinator
 Kathy Bedard (on leave) Community Liaison
 Nancy Oliver Community Liaison

STUDENT SERVICES

Gloria Udegrove Admissions
 Vena Hachkevich Educational Advisor
 Judy Thompson First Nations Access Co-ordinator
 Sherry Beal Education & Career Specialist
 Lianne Gagnon Student Success & Special Needs Co-ordinator

LEARNING RESOURCE CENTRE

Lawrie McArthur, B.A. (U.Vic.), M.L.A.I.S. (UBC) Librarian
 Tim McDonald, B.A. (Acadia), Library Tech Diploma (S.A.I.T.) Library Technician

FACULTY/INSTRUCTORS**Career and College Prep**

Chris Brown, B.Ed., B.Sc. (UBC) Mathematics Instructor
 Lianne Gagnon, B.A. (Guelph) English Instructor/Coordinator
 Marie Grinstrand, B.G.S (SFU), CTEFLA (Cambridge) ESL Instructor
 Ian McLean Computer/English/Mathematics Instructor
 Anna Munger, B.Ed. (UBC) English Instructor
 Ken Shaw, B.A.Sc., B.Ed., M.Sc., (UBC) Mathematics/Science Instructor
 John Wood, B.A. (Trent), B.Ed. (Queen's) Mathematics/Socials Instructor

Business Administration

Gregory Krabes, B.B.A. (Bishops) Instructor
 John Shephard, B.Sc., M.B.A., (UBC) Instructor

Marine Studies

Andrew Batko, Captain Instructor

Natural Resources

Pouyan Mahboubi Coordinator/Instructor

Welding

Wade Johnson Instructor

University Credit

David Archer, B.A. (UBC), M.A. (UVic) Anth Instructor
 Hondo Arendt, B.A., B.Ed., M.A., (UBC) Hist/Geog Instructor
 Mona Izumi, B.Sc. (UBC), Assist. Acad Head/Math Instructor
 Tirso Morales, B.A. (Valpariso), M.Sc. (U.Wis.) Engl/Physc Instructor
 Barbara Shaw, B.Sc., Ph.D., (UBC) Biol/Ocean Instructor
 Ken Shaw, B.A.Sc., B.Ed., M.Sc. (UBC) Geog Instructor
 David Sweetnam, B.C., B.Sc., (Notre Dame) Cmp/Phys/Math Instructor
 Yvonne Werkmann, B.A., (Calgary), M.A., (McMasters) Soci/Physc Instructor

QUEEN CHARLOTTE ISLANDS/HAIDA GWAI**MASSET - (250) 626-3627**

Wendy Riley Community Education Administrator

QUEEN CHARLOTTE CITY - (250) 559-8222

Faye Beaulieu Community Education Administrator

INDEX**A**

About Northwest Community College 7
 Absenteeism 17
 Addictions Option 67
 Admission and Registration 14
 Adult Basic Education - See Career College Prep (CCP) 45
 Adult Special Education 30
 Advisement Session 22
 Advising (Educational) 23, 96
 Airbrakes 118
 Anthropology 98
 Appeals 19
 Application Fee 14
 Application Procedure 14
 Applied Computer Technology 33
 Applied Technology 36
 Assessment and Application 22
 Assignments and Essays 18
 Associate Arts Degree (General) 97
 Associate Science Degree (General) 97
 Associate Degrees 21
 Attendance 17
 Automotive Repair Technician 38
 Awards 133
 Awards Administered At NWCC 130
 Awards Administered Outside NWCC 135

B

Backhoe/Loader Operator 119
 Biology 99
 Bookstore Services 23
 British Columbia Institute of Technology Award 142
 Bursaries 131
 Business Administration 39

C

Calculating Grade Points 19
 Canadian Red Cross Society Courses 121
 Career and College Prep (formerly Adult Basic Education) 45
 Career Resources 23
 Carpentry 50
 CCP Fundamental Level 46
 CCP Intermediate Level 47
 CCP Advanced Level 47
 CCP Provincial Level 48
 Central Region 8
 Certificates 21
 Change of Address 21
 Change of Name 21
 Chemistry 100

Childcare Access 23
 Childsafe 121
 Clean Air Policy 24
 Coastal Eco-Adventure Tourism 51
 Coastal Integrated Resources Management Option 81
 College Board 7
 College Preparatory 46
 Command Endorsement 76
 Commercial Transport Repair Mechanic 52
 Computer Science 101
 Confidentiality of Student Records 21
 Continuing Education 118
 Cook Training - See Professional Cook Training 94
 Cooking Up-grading 94
 Co-operative Education 24, 40,79
 Counselling (Personal) 24
 Cultural Tourism 118

D

Dates to Remember 2
 Daycare 24
 Deposits 14
 Desktop Publishing 90
 Diploma 21
 Diploma in Adult Education 124
 Diploma in Business Administration 40
 Disability Support Services 25
 Distance Education 55,89

E

Early Childhood Education 54
 Eastern Region 7
 Economics 102
 Educational Advising 23
 Education Council 10
 Emergency Assistance 133
 English 102
 English as a Second Language 61
 Entrance Awards 131
 Equipment Operator Program 118
 Examinations 18
 Excavator Operator 119
 Extension Offerings 118

F

Federal Government Assistance 128
 Fees and Refunds 14
 Financial Aid 25
 Financial Aid Sources 128
 First Aid 119

First Aid for Teachers 121
First Nations Council 11
First Nations Student Access 25
First Support Checks 23
Fishing Master II 76
Fishing Master III 76
Fishing Master IV 77
Food Services 25
Forest Technology Option 82
Freedom of Information and Protection of Privacy 21
Functional Literacy 31

G

General Conduct and Safety 16
General Education Development Preparation 46
General Education Development Tests (GED) 124
General Office Clerk 90
Geography 103
Geology 104
Government Assistance (Federal & Provincial) 128
Grade Appeal 20
Grading Policies and Procedures 17
Grading Scale 18

H

Heavy Duty Mechanics Training - Entry Level 61
History 104
Home Support/Resident Care Attendant 63
Housing 25
Human Resources Centre Assistance 129

I

Incomplete Grades 18
Industrial Mechanic (Millwright) - Entry Level 64
Infant & Childcare (First Aid) 121
Initial Contact 22
Integrated Human Service 66
Integrated Resources Management Option 82
Integrated Programmes (University Credit) 96
Intellectual Honesty 16
International Students 14

L

Lakehead University Award 142
Late Registration 15
Library/Learning Resource Centre 26
Literacy Training 124

M

Marine Studies 76
Marine Studies - Correspondence Courses 77
Math 105
Mental Health Option 68
Message from the President 5
Methods of Evaluation 17
Millwright - See Industrial Mechanic (Millwright) 64
Ministry of Skills, Training & Labour Assistance 129
Mission Statement 6
Modified Programs 31

N

Natural Resources 79
Nautical Programs - see Marine Studies 76
Northwest Community College Awards 130
Northwest Community College Endowment Fund 130

O

Occupational First Aid - Level I 119
Occupational First Aid - Level II 119
Occupational First Aid - Level III 119
Occupational First Aid - Level III Retraining 120
Oceanography 106
Office Administration 88
Office Assistant 89
Office Administration - Distance Education Courses 89
Office Technology - Accounting Specialty 89
Office Technology - General Specialty 89
Office Technology - Wordprocessing Specialty 89
Official Transcript 15, 22
Open University/Open College 125
Other Appeals 20
Other Opportunities 124
Outstanding Charges 22

P

Part-time Studies 88
Personal Medical Insurance 26
Personnel (Administration, Faculty and Support Staff) 145
Philosophy 106
Physics 106
Political Science 107
Preschool Aide Training Prerequisite 30
Preschool Aide Training Program (P.A.T.) 59
President's Message 5
Prior Learning Assessment and Recognition 19, 40
Professional Cooking (Basic) 95
Professional Cooking Trades Qualification (Home Study) 95
Professional Cooking (Upgrading) 95

Professional Cook Training 94
Professional Driver Training 121
Program Completion or Withdrawal 23
Program Registration 22
Provincial Government Assistance 128
Provincial Instructor Diploma 125
Provincial Welder Training 109
Psychology 107

R

Recreational Activities 26
Referral 22
Refunds 16
Registration 14
Reinstatement 15
Resident Care- see Home Support/Resident Care Attendant 63

S

Safety Programs - see WCB Worksafe Modules 120
Services Available to Students & Public 23
Simon Fraser University 143
Smoking Policy - See Clean Air Policy 24
Social Service Worker Option 69
Sociology 108
Special Opportunity Grants 130
Special Education Assistant Option 68
Statement of Grades 22
Student Advisors - See Educational Advisors 23
Student Appeal 19
Student Complaints or Discrimination or Harassment 26
Student Conduct Policy 16
Student Fees 15
Student Records 11
Student Success 27
Student Support Policy 22
Student Support Specialist 27
Students Transferring to University and BCIT 142
Subsequent Support Checks 23
Suspension Appeal 20

T

Table of Contents 3
Transcripts of Permanent Record
- See Official Transcript 15, 22
Transition Programs 31
Transfer Credit 22, 40, 55, 96
Transfer Credit to Northwest Community College 96
Transfer Credit to Professional Organizations 40, 96, 114
Transportation Endorsement (First Aid) 119
Tuition 15

U

Uniform/Coverall Cleaning 15
University Credit 96
University of Alberta 142
University of British Columbia 143
University of Northern British Columbia 126
University of Victoria 144
University Transfer Credit 96

V

Values and Operating Principles 6
Vital Link Cardiopulmonary Resuscitation (CPR) 121
Vital Link Emergency First Aid 121
Vital Link Standard First Aid 121
Vocational Rehabilitation Services 130

W

Watchkeeping Mate 76
Welding 109
Welding Upgrading 110
Wilderness First Aid 120
Wilderness Guiding Skills 111
Withdrawal 18
Word Processing - see Office Administration 89
Workers' Compensation Board Coverage 27
Workers' Compensation Board Worksafe Modules 120
Workers' Compensation Board of B.C. Courses (First Aid) 119
Workplace Skills Training 30
Work Study Program 130

Y

Youth Option 62, 65

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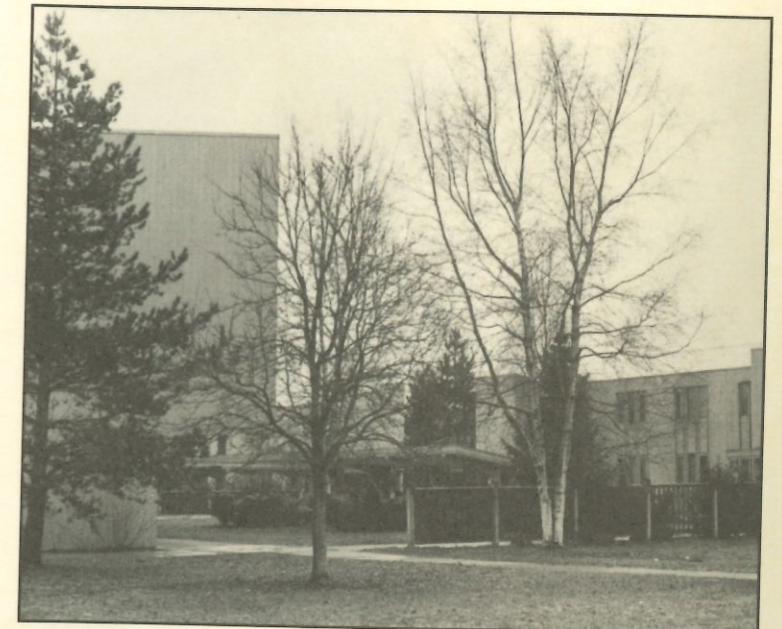
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FAX: (250) 638-5432

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