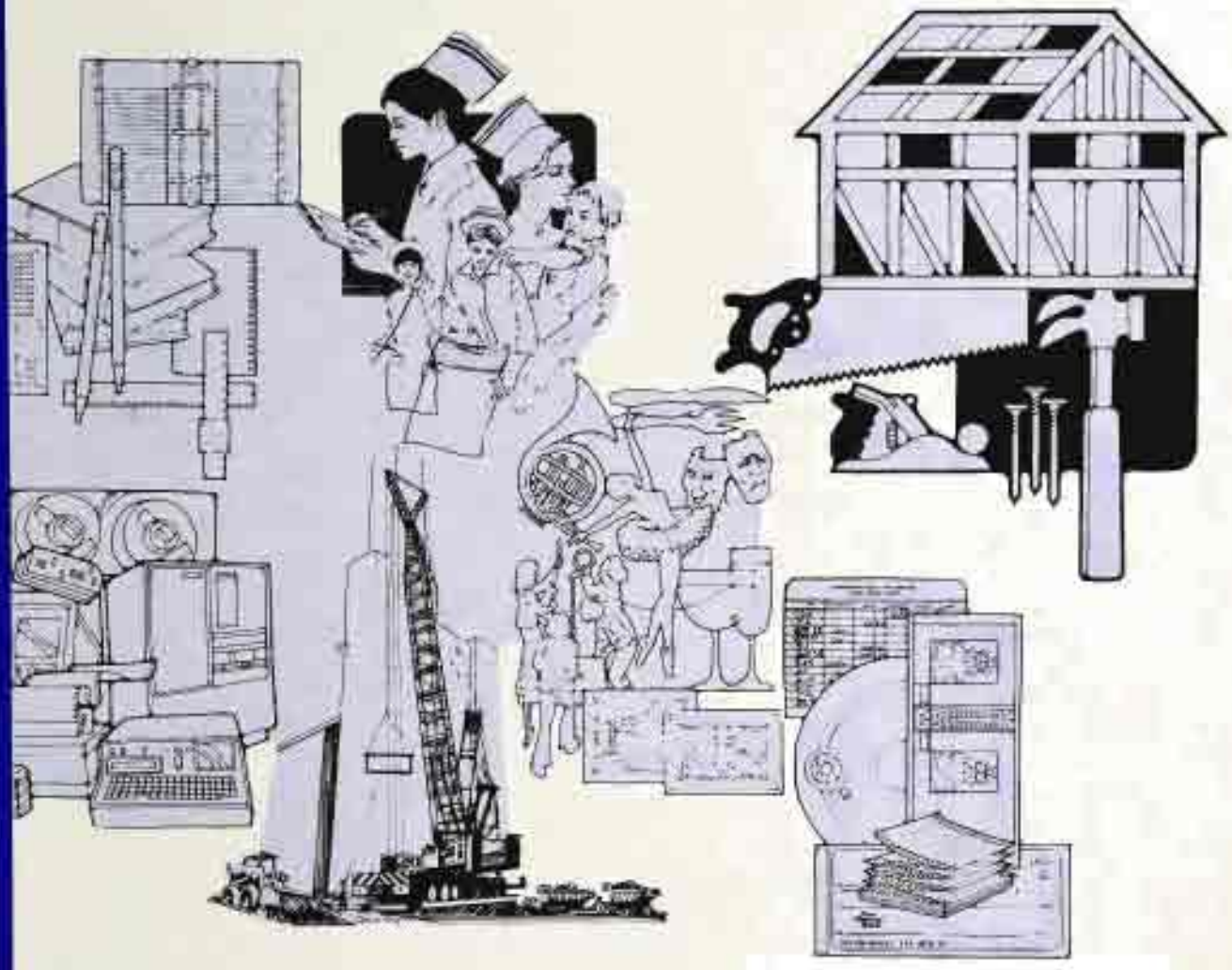

1981 - 82 CALENDAR

COLLEGE OF NEW CALEDONIA

COLLEGE CALENDAR
August 1981 - July 1982

NOTE: Fall Semester.
Start Classes on September 8th and operate a 14 week semester by running exams to the 17th of December.

August 3	B.C. Day - College Closed
August 31 Sept. 4	Registration Week. Registration - Forest Resource Technology Program. Start of Classes - Nursing Program Semester III, and all Forest Resource Technology Programs.
Sept. 1	Registration - Diploma and Certificate Programs, Full-time.
Sept. 2	Registration - Returning University Transfer and Part-time Business Administration.
Sept. 3	Registration - New University Transfer
Sept. 7	Labour Day - College Closed.
Sept. 8	Classes Commence - University Transfer, Diploma and Certificate Programs.
Sept. 21	Last day 80% refund. Last day to ADD courses without instructor's permission.
October 5	Last day 50% refund.
October 12	Thanksgiving Day - College Closed.
October 13	Last day to withdraw without penalty.
Oct. 16 & 17	CNC Invitational Loggers Sports Competition.
Nov. 11	Remembrance Day - College Closed.
Dec. 11	Last day of classes - University Transfer and Diploma Programs.
Dec. 14 - 18	Exams.
Dec. 18	Last Day of Classes - Certificate Programs.
Dec. 25 - 28	Christmas - College Closed.
Jan. 1, 1982	New Year's Day - College Closed.
Jan. 4	Registration - Nursing Program & Forest Resource Technology Classes Commence - Certificate Classes Commence - Nursing Prog. Classes Commence - Forest Resource Technology Programs.
Jan. 5	Registration for full-time Diploma and Certificate Programs.
Jan. 6	Registration for returning students University Transfer and part-time Business Administration.
Jan. 11	Classes commence - University Transfer and remaining Diploma Programs.
Jan. 27	Last day 80% refund. Last day to ADD courses without instructor's permission.
Feb. 5	Last day 50% refund.
Feb. 12	Last day to withdraw without penalty.
March 8-12	Mid-term Study Break. (Trades not affected)
April 9	Good Friday - College Closed.
April 12	Easter Monday - College Closed.
April 23	Last day of classes for University Transfer and Diploma Programs.
April 26-30	Exams.
May 3	Registration and first day of classes for Nursing Program Intersession.
May 17	Victoria Day - College Closed.
July 1	Confederation Day - College Closed.

As this Calendar is published well in advance of the session commencement, the College reserves the right to make any changes deemed necessary including the cancellation or adjustment of programs and courses, and changes in fee structure and other regulations or services. The College expressly denies responsibility or liability to any person or persons who may suffer loss or may be otherwise adversely affected by any change.

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PRINCIPAL'S MESSAGE

On July 9th 1971 the former B.C. Vocational School and the small College of New Caledonia officially merged to become The College of New Caledonia. In ten years CNC has grown in programs offered, in enrollment, in services available, and in operating centres throughout our region. The CNC family has indeed become a large brotherhood.

Welcome to the CNC family. As students you will be encouraged to use the resources of the College to facilitate your own training and education. Teachers, counsellors, librarians, and administrators are here primarily to help students learn. We hope you, the students, will be demanding of the College in your pursuit of excellence, whatever your field of study.

College life, however, consists of more than acquiring knowledge and developing skills. As a member of the CNC family you also have social roles to fulfill. Whether your interests or talents lie in music or the arts, sports or organizations and goverance, social activities or debating, it is important that you give of yourself to complete the family which is CNC. Under the leadership of revitalised Student Union and with the assistance of the Student Services Division, CNC has a rich variety of extracurricular offerings. Please think of these too as an integral part of your program.

CHARLES J. McCAFFRAY,
Principal

A COMPREHENSIVE COMMUNITY COLLEGE

The College of New Caledonia is one of fourteen Community Colleges in B.C. and is part of the provincial system of post-secondary education.

The College region comprises 4 school districts including 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George) a total of some 117,500 square kilometers with a population in excess of 122,000 people.

The College opened on September 15, 1969 using temporary facilities at the Prince George Senior Secondary School in July of 1971 the existing College amalgamated with the B.C. Vocational School; and the College of New Caledonia was created.

Since the time of its portable beginnings, the College has expanded into over 25,000 square metres of permanent and temporary building space situated on 12 09 hectares.

A recently completed building program provided a new gymnasium, shop space, permanent library, expanded laboratory facilities, classrooms, office space and food services facility and a day care centre.

During the past year an additional Construction Trades Building has been acquired in a location close to the main campus. Strenuous efforts are now being made to add a student residence to the campus.

With learning centres in Burns Lake, Mackenzie, Quesnel and Vanderhoof and with new offices in McBride and Valemount, the College is attempting to make it easier for people throughout our wide region to continue with their education and training even if they are unable to come to the Prince George Campus. The use of channel 13 on cablevision in Prince George and of the Knowledge network is another initiative which is directed at the same goal.

The College offers a wide range of programs in the areas of pre-employment, pre-apprentice, apprenticeship, technologies, University Transfer and general interest. There are six divisions including Continuing Education, Business and Industrial Technologies, Health Sciences, Liberal Arts and Social Sciences, Natural Sciences and Trades.

ADMISSIONS

ADMISSION REQUIREMENTS

Students eligible for admission are those who satisfy specific course or program prerequisites. Where Grade 12 is listed as a requirement for admission:

a) Students should have graduated from a B.C. Secondary School or equivalent, or have GED or BTSD IV.

b) Students without Grade 12 may be admitted who:
- —are deficient in no more than two courses for B.C. Secondary School graduation (which may be required to be completed while attending CNC), or
- —are over 19 years of age on the first day of the semester for which admission is sought and have been out of the regular school system for at least one year and whose maturity and experience demonstrate they will be able to succeed in their courses, or
- —will complete Grade 11 in the year in which they are applying for admission, and who have an outstanding academic record. These students will be admitted as "Early Admission" students.

ADMISSION STATUS — ACADEMIC

All students are assigned an academic status. This status is normally determined by the student's previous level of success.

(i) Adequate Status assigned to new students who have completed all formal prerequisites for admission to the College and continuing students with a current grade point average of 1.5 or higher.

(ii) Conditional Status - assigned to new students who have not submitted transcripts of previous education, or who are required to complete one or two secondary school courses. Students will not normally receive an official transcript until the condition for admission has been satisfied.

(iii) Probationary Status - assigned in each of the following situations:
- —to mature students who have not completed secondary school.
- —to students whose previous academic achievement cannot be accurately assessed.
- —to students admitted as "Early Admission" students.
- —to students whose current grade point average is between 1.00 and 1.49. Such students may be required to enroll in a reduced course load and will be required to attend CNC 154-0 Directed Studies. If this is the second semester when the student's grade point average is between 1.00 and 1.49, the student may be required to withdraw.

NOTE: CNC Students with a grade point average of 0.99 or lower will not be permitted to continue the following semester.

(iv) Advance Standing - students who have completed post-secondary courses in other institutions may be given credit for these courses at CNC. Students with questions on advance standing should consult a CNC Counsellor well before the beginning of the semester and obtain a written acceptance of their advance standing.

(v) Audit Status assigned to students taking a course for interest only. Audit students do not receive grades or credit for courses taken. Priority for admission is given to "credit" students.

ADMISSION STATUS - GEOGRAPHIC

Residents of School Districts 28 (Quesnel), 55 (Burns Lake), 56 (Nechako), and 57 (Prince George) are classified as in-region students and are given priority for admission over other applicants. In some programs students from other college regions are accepted as in-region students.

To qualify as an in-region student, a person must satisfy one of the following requirements:

a) Be 19 years of age or over and have resided within the boundaries of one of the above school districts for at least 3 months prior to the commencement of the program to which admission is sought, or

b) Be under 19 years of age at the commencement of the program to which admission is sought and a dependent of parents or legal guardians who reside within the boundaries of the above school districts, or

c) Be the owner of real property within the boundaries of the above school districts.

Students not able to qualify as in-region students as defined above are classified as out-of-region students.

The responsibility for registering as an in-region, or out-of-region student rests with the applicant. A student who falsifies resident status may be required to withdraw from the College.

STUDENTS FROM OTHER COUNTRIES

Students attending CNC must be Canadian citizens or landed immigrants. Persons from outside Canada must provide proof of landed immigrant status. Applicants from countries where English is not the common language will be required to provide proof of a knowledge of English sufficient to pursue a program of study at the College prior to being admitted.

Citizenship requirements for admission to College of New Caledonia programs are waived where the College Board has entered into a formal agreement to educate foreign nationals, subject to the agreement ensuring that the contracting agency agrees to pay the full cost of providing such education.

ADMISSION PROCEDURES

NEW STUDENTS:

(i) Write to the Registrar's Office for an application form.

(ii) The completed application form, and secondary school or post-secondary transcript, should be submitted to the College at least two months before the beginning of the semester in which admission is sought. Secondary School students may complete a statement of Secondary School Subjects. This statement will be accepted in lieu of a transcript and students will be admitted on a conditional basis. The conditional status will be removed when the College receives the official transcript of secondary school grades. This should be forwarded as soon as possible.

(iii) Applications will be processed and students will be notified by mail of their admission to the College. Detailed registration information, including the date and time for registration, will be included with the notice of admission.

FORMER STUDENTS RETURNING TO COLLEGE:

(i) All returning students register at the College on Monday, August 31.

(ii) Students requiring academic advice or counselling are encouraged to consult a Counsellor.

PRIORITY:

All applicants are urged to apply for admission as early as possible as first priority may be given to the earliest applications.

REGISTRATION

REGISTRATION

Students must register at the time indicated on their Notice of Admission.

Students will not be admitted to the registration area at times earlier than those indicated on their Notice of Admission. Registration is not complete until all fees have been paid.

LATE REGISTRATION

Students who do not register at the time specified on their notice of Admission may register up to 10 instructional days after the first day of classes. Students in programs of less than one year's duration may late register up to 5 instructional days after the first day of classes.

Students are advised that a $50.00 late registration fee will be assessed anyone who does not register at the time indicated on their Notice of Admission. Students with extenuating circumstances are advised to see the Dean of Student Services.

CANADA EMPLOYMENT AND IMMIGRATION COMMISSION SPONSORSHIP

Canada Employment and Immigration Commission purchases spaces in some programs. Before applying for admission as a fee paying student, you may wish to check with your local CEIC Office to determine your eligibility for sponsorship by CEIC.

For information on those programs which are eligible for sponsorship by CEIC, call the CNC Counselling Centre or your local CEIC Office.

SPONSORED STUDENTS

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

GENERAL INFORMATION

IDENTIFICATION CARDS

Student identification cards are provided following full payment of fees. In the event of the loss of an identification card a duplicate may be obtained from the Registrar's Office (level two, Vanderhoof Building). Fee: $1.00.

CHANGE OF NAME OR ADDRESS

It is the responsibility of the student to advise the Registrar's Office (level two, Vanderhoof Building) of any change of name, address, or telephone number. Unless the student requests otherwise all College correspondence will be sent to the student's permanent home address.

CHANGE OF COURSE OR SECTION

Students contemplating changing courses should consult with a counsellor. All course and section changes require College approval and will only be permitted during the periods specified in the College Calendar.

STUDENT GRIEVANCE PRODEDURE

The College has a student Grievance Procedure covering grade appeals and complaints about the ethical conduct and competence of College faculty, staff and administration. Copies of the College's statement on student Grievance and Appeal Procedure may be obtained from the Dean of Student Services or a Counsellor.

WITHDRAWAL

Students may withdraw from a course or program within five weeks of commencement of the course or program without penalty and receive a 'W' grade. After that date students may withdraw and receive a 'W' grade if they are passing the course at the time of withdrawal. Students withdrawing after five weeks of the commencement of a course or program and who are failing at the time of withdrawal will receive an 'F' (Fail) grade. Any dispute arising from this grade assignment will be treated as a Grade Appeal.

To withdraw from a course students must complete the withdrawal form available at the Registrar's office.

SUSPENSION

Students who are performing at an unsatisfactory level will have their performance reviewed by a committee which includes the instructor(s), the Director of the division, and the Dean of Student Services.

If it is the opinion of this committee that the student is not meeting the requirements of the course or program the student will be placed on probation for a specified period. If at the end of this period the committee still considers the student's performance to be unsatisfactory the student will be suspended.

SAFETY REGULATIONS

WCB safety regulations must be adhered to as applicable to each particular program. Special requirements for the student is noted in each program.

TRANSCRIPTS AND GRADES

EVALUATION AND GRADING

To ensure maximum involvement of the student in the learning process, CNC follows a policy of continuous evaluation in determining the grades. There is no single final examination.

GRADES

Alphabetic symbols are used to report academic success. Each grade is assigned a numerical weight or grade point, that is used to determine the grade point average.

LETTER GRADE		GRADE POINTS
A	Outstanding achievement	4.0
B+		3.5
B	Good achievement	3.0
C+		2.5
C	Satisfactory achievement. The lowest standing on which to base further study in a discipline.	2.0
P	Standing below that required for further study in a discipline. The student is granted college credit for the course but cannot be granted credit for the course in another institution. Permission is required to continue in a sequential course.	1.0
F	Fail. No credit granted.	0
I	Incomplete. Grade and credit withheld until all requirements of the course have been met. Will require completion of all required work within 4 weeks of the last day of classes or an 'F' grade will be assigned.	*
S	Credit granted. Course requirements have been satisfactorily completed. This grade is assigned where a course is successfully challenged. NOTE: Some institutions will not accept for transfer those courses that have been awarded College credit on the basis of challenge credit.	
T	Advance Standing. Credit granted on the basis of work completed elsewhere.	*
W	A 'W' grade will be assigned to those students completing the Withdrawal procedure outlined, and within the time limits specified in the College Calendar.	*
X	Audit Status. No credit granted.	*

Not included in the calculation of the grade point average.

GRADE POINT AVERAGE (G.P.A.)

Grade point averages are reported on each Statement of Grades. The transcript includes the cumulative grade point average.

The G.P.A. is the sum of the grade points earned multiplied by the number of credits and divided by the number of credit hours taken.

Example:

Course	Credit Hours	Letter Grade	Grade Points	Grade Points x Credit Hours
1	3	A	4	12
2	3	B	3	9
3	4	C	2	8
4	2	P	1	2
5	3	F	0	0
	15			31

G.P.A. equals 31 ÷ 15 equals 2.07.

STATEMENT OF GRADES

At the end of each semester or at the end of a program a Statement of Grades is mailed to each student enrolled in a course for credit.

All obligations relating to fees, library books or fines, rentals, loans, etc., must be met before any Statement of Grades, transcript, certificate or diploma will be released.

REPEATING A COURSE

Courses may be repeated for the purpose of raising grades. Credit will be granted for the higher grade achieved, but both grades will be recorded on the student's permanent record. Students repeating courses must advise the Registrar's Office to ensure only the highest grade point is included in the calculation of their G.P.A. Other institutions to which a student might transfer may re-calculate the G.P.A. to include both grades obtained.

CREDIT HOURS

One credit hour usually represents one hour per week of classroom lectures. Most courses offered are three credit courses. As such they require three lecture hours per week, together with required study in laboratories, seminars, or tutorials. A full-time student is normally enrolled in 15 or more credit hours of work each semester.

TRANSCRIPTS

The Official Transcript includes a record of the student's grades and is imprinted with the College Seal and signed by the Registrar.

Transcripts may be obtained from the Registrar's Office at a cost of $2 per copy. The College will forward transcripts to other institutions or potential employers, etc. only with the specific permission of the student involved.

TRANSFER TO OTHER INSTITUTIONS

Students contemplating transfer to another institution should consult the Calendar of the institution to which they intend to transfer and ensure that their program of studies at CNC will allow for such transfer.

CNC Counsellors will assist students to select courses that will permit easy transfer to other institutions, but the final responsibility for a selection of courses remains with the student.

COLLEGE DIPLOMA

A CNC Diploma is awarded to students who complete either:

The requirements of a College Diploma program of at least four semesters with a pass grade in each specified course and with a cumulative grade point average of 2.0 or higher.

OR

A General Studies program of at least four semesters and 60 semesters hours of credit with a cumulative grade point average of 2.0 or higher.

OR

The requirements of a University Transfer program of at least 60 credit hours of work that will permit transfers into third year university or a recognized degree program, and have a cumulative grade point average of 2.0 or higher.

NOTE:

Students who enroll in a CNC Diploma program with advance credit for courses taken elsewhere must complete a minimum of 15 credit hours of work at CNC, to qualify for a CNC Diploma.

Students who expect to complete the requirements for a Certificate or Diploma are required to complete an application for graduation form available from the Registrar's Office. Completed forms should be returned to the Registrar's Office by November 16 for students who expect to graduate at the end of the Fall Semester and by April 1 for those who expect to graduate at the end of the Spring Semester.

COLLEGE CERTIFICATE

A CNC Certificate is awarded to students who satisfactorily complete a College program of at least 16 weeks duration.

FEES AND EXPENSES

FEES

For Diploma and University Transfer (2 year) Programs

1. Full-time Students (Students enrolled in 15 or more credit hours)
   - Tuition: $150 per semester
   - I.D. Card: $1.00 per year
   - *Lab Fees: $15 per lab (maximum $30)
   - Student Assoc. Fees: $14 per semester

2. Part-time Students (Students enrolled in 9 credit hours or fewer).
   - Tuition: $10 per credit hour
   - I.D. Card: $1.00 per year
   - *Lab Fees: $15 per lab (maximum $30)
   - Student Assoc. Fees: $2.50 per course

Courses with lab fees are identified in the course description by the letter L following the number in parenthesis.

NOTE: No fees will be charged to Senior Citizens. Audit students will be charged full fees as outlined above.

PAYMENT OF FEES

Tuition, lab fees and Student Assoc. fees are collected each semester at the time of registration. Students who are unable to pay their fees at the time of registration and who are unable to obtain financial assistance from the Financial Aid Officer will not be permitted to register, unless prior approval is obtained from the Dean of Student Services.

MISCELLANEOUS FEES

Grade Appeal	$5
Transcript	2
Duplicate Diploma	5
I.D. Card Duplicate	1
Locker Rental	2
Duplicate Permission to Register	1
Duplicate Grade Statement	1
Duplicate Income tax receipt	1

NOTE: Some courses may require an assessment for supplies and activities required as part of the course.

ESTIMATED EXPENSES

Full-time students should be aware of the expenses they will incur each semester. Costs can be estimated as follows:

Tuition Fees	$150
Lab Fees (where applicable) (Maximum $30)	15
Books and supplies	200
Local transportation	75
Miscellaneous	225
Student Association	14
	$579

HOUSING AND MAINTENANCE EXPENSES

The average cost for room and board in Prince George is $150 - $200 per month.

REFUNDS

A complete refund of fees is made only when a course or program is cancelled.

SCALE OF WITHDRAWAL REFUNDS:

a) An 80% refund of fees will be made if the student withdraws within two weeks after commencement of classes or prior to completion of 15% of the course in courses/programs less than 4 months in length.

b) A 50% refund of fees will be made if the student withdraws within the third or fourth week after commencement of classes or prior to completion of 25% of the course in courses/programs less than 4 months in length.

c) No refund will be made if the student withdraws more than four weeks after commencement of classes, or after 25% of the course has been completed in courses/programs less than 4 months in length.

SERVICES AVAILABLE TO STUDENTS

INFORMATION

For information on any aspect of the College inquire at the Student Services Office, (level two, Vanderhoof Building). If they don't have the answer they can direct you to someone who does.

STUDENT SERVICES OFFICE

The Student Services Office is responsible for admissions, registration, student records, changes to records, timetable, withdrawal, etc. Any inquiries regarding these procedures should be directed to the Student Services (level two, Vanderhoof Building).

COUNSELLING

The Counselling Centre is located on Level Two of the Vanderhoof Building. Counsellors are available to assist students with personal, academic, or vocational concerns. A wide variety of material is available in the centre to assist in career selection, or selection of suitable institutions for specific programs. Individual tests may be administered if the counsellor and student agree they will be of value.

Counselling Centre hours: Monday to Friday 8:00 a.m. to 4:30 p.m.

HEALTH SERVICES

CNC has initiated a Health Service Program to serve the needs of this college community.

Health Services will combine treatment and preventative programs. This includes emergency calls, first-aid treatment, and health counselling.

This Centre is staffed by a physician, Dr. Phil Staniland, and a registered nurse. At the present time, the doctor is available Wednesdays from 0830 1630 The nurse is available Monday Friday, 0830 - 1530, lunch hours inclusive.

The program is being designed to meet the needs of this college community. You can play a unique role in its development and growth. Health promotion is a group responsibility. Your suggestions for topics of discussion and/or articles and pamphlets will be welcomed. If your class has an area of interest that they would like to talk about - contact the Health Nurse. Private counselling is also available.

Your concerns and/or requests for information will be welcomed Stop into the Health Services office or call 562-2131 and ask for us.

CNC HEALTH SERVICES
Keep us in mind.
Trades Building
First Aid Room
*Use Central Street Entrance

STUDY SKILLS

The Study Skills Centre is located in Room 2-112 of the Vanderhoof Building. Professional help is available to assist the student through individual programs. Students encountering difficulties with reading, studying, taking notes, or writing papers are invited to drop in. The Study Skills Centre is open on a drop-in basis Monday to Friday from 9:00 a.m. to 3.30 p.m.

Throughout the year the Study Skills Centre will offer courses which cover the following topics:

Study Management
- —Scheduling
- —Personal aspects
- —Task orientation
- —Study environment

Major Course Related Skills
- —Study Reading
- —Taking notes from books
- —Taking notes from lectures
- —Writing classroom tests

Auxilliary Course Skills
- —Library research
- —Vocabulary development and spelling
- —Writing skills, grammar and mechanics

Attitudes, Interests and Habits
- —Reading habits and interest
- —Concentration and memory
- —School attitudes and motivation

These courses will be available to the community on a standard fee schedule and will be offered to CNC students at no extra cost. See CNC Courses (Study Skills) page 40.

RESOURCE CENTRE

The Library and Audio-Visual Services are located on Level Two of the Vanderhoof Building (2-302). The Library contains an expanding collection of resources including books, periodicals, newspapers, federal and provincial government documents, pamphlets and audio-visual materials. Assistance in finding information and using library resources is available from the Reader Services Librarian at the Information Desk.

There are carrels for individual study, small group study areas, informal lounge reading corners, and a seminar room for group use. A coin-operated photocopy machine is also available.

A variety of audio-visual equipment for viewing and listening is housed in A/V carrels located near the Circulation Desk. This eqipment includes videotape players, stereo audio cassettes and record players, slide and filmstrip projectors, 8 mm and 16 mm film projectors, and calculators. Similar equipment is available for use outside the Library. The darkroom and production equipment such as 35 mm, video and super 8 mm cameras are available for use with student projects.

During the Fall and Spring semesters, the Library hours are as follows:

Monday through Thursday	8 a.m. to 10:30 p.m.
Friday	8 a.m. to 5 p.m.
Saturday	12 noon to 5 p.m.
Sunday	12 noon to 5 p.m.

Summer hours are:

Monday through Friday	8:30 a.m. to 5 p.m.

Hours from April to June may vary from the above.

BOOKSTORE

A bookstore is located in Smithers A. In addition to supplying text books the store also sells sundry supplies and miscellaneous items. A bulletin board in the bookstore is provided for notices of second hand books for sale.

Bookstore hours:

Monday through Thursday	8 a.m. to 7:30 p.m.
Friday	8 a.m. to 5 p.m.

HEALTH SERVICES

The Health Service facility provides professional care for students who do not have a regular physician in Prince George. A medical doctor operates the Health Services Centre and office hours are on a regular basis. We recommend that students planning to enter CNC have the following:

- Medical coverage (more information on this is available at Student Services).
- A recent chest X-ray and hemoglobin level test.
- A complete medical record if you suffer from any chronic condition (diabetes, thyroid disorder, etc.).

CAFETERIA

A recently opened Food Services facility is located on Level One of the Vanderhoof Building.

Cafeteria is open on a daily basis to serve students.

Monday through Thursday	7:30 a.m. to 9 p.m.
Friday	7:30 a.m. to 3:30 p.m.

JOB PLACEMENT

CNC annually prepares a brochure listing graduates of each program and invites potential employers of these graduates to review the brochures and interview on campus for permanent positions.

The Financial Aid Officer also maintains an up to date list of part-time jobs available to students. Jobs are posted on the bulletin board at the Registrar's Office (level two, Vanderhoof Building).

RECREATION

During the 1976-77 academic year CNC opened its new gymnasium (Ft. St. James Building) containing a main gym, two racquetball-handball courts, and an ancillary gym which is used for weight training, archery, and table tennis.

Recreation activities available for students include:

Open recreation (Free equipment checkout with a student card)

- Badminton
- Floor Hockey
- Basketball
- Volleyball
- Racquetball
- Weight training

Additional equipment and games available:

- Snowshoes (rental basis)
- Chess
- Checkers
- Ping pong

Structured intra-murals:

- Floor hockey
- Racquetball
- Volleyball
- European team handball
- Indoor soccer
- Badminton
- Basketball

Fitness Testing:

The Physical Education and Recreation department will test individuals for cardio-respiratory fitness on an appointment basis See Dr. Peter Usher or Bill Lambert.

Recreation Courses:

CNC Recreation provides non-credit recreation courses. These courses enable the student to learn different skills and activities. The courses include instruction and equipment. All courses are advertised on the bulletin boards and in the CNC Today. Also in this calendar under Recreation, in the course description section, the courses are listed. Some of the courses are Karate, Fitness, Guitar, Disco-Dancing, Racquetball and Cross-Country Skiing.

ATHLETICS

CNC is a member of the Totem Conference Athletic Association which is the governing body for College Athletics in B.C. CNC competes in men's and women's basketball and volleyball against Vancouver Community College, B.C.I.T., Douglas College, Selkirk College, Okanagan College, Capilano College, Malaspina College, Cariboo College, and Royal Roads Military College. The CNC badminton and curling teams compete in the Provincial Championships in a tournament format.

The CNC teams over the past several years have proven to be very competitive in the strong B.C conference with championship representatives from CNC going to the 4-West Championships in the sports of Volleyball and Curling. The winners of the Provincial Volleyball and Basketball Championships, as of the 1980 athletic season, will advance directly to the Canadian Championships. In 1979 the men's volleyball team finished second at the Canadian Championships in Montreal.

The College team name is Carriers and the team colours are blue and orange. All students are encouraged to participate either as representative players or spectators at our home contests.

For further information contact the Athletics and Recreation Co-ordinator at the Gym, in room 1-511.

Practice Times:

Students that anticipate playing basketball or volleyball for CNC should take note of the practice times and schedule courses accordingly.

Basketball:	Mondays and Wednesdays	4:00 - 6:00 p.m.
	Tuesdays and Thursdays	6:00 - 8:00 p.m.
Volleyball:	Mondays and Wednesdays	6:00 - 8:00 p.m.
	Tuesdays and Thursdays	4:00 - 6:00 p.m

STUDENT ASSOCIATION

The CNC Student Association represents all students enrolled at CNC and has an executive elected from the total student body.

Student association fees are used to fund various social and recreational events as well as to provide funding for specific student groups.

All CNC students are encouraged to attend the Student Association meetings. Student groups who wish to receive Student Association funding are asked to submit budgets and proposals to the Student Association.

The Student Association executive is elected in the spring of the year and commences office in September.

CNC TODAY

CNC TODAY is a weekly CNC bulletin and serves as a newsletter for the total College community. Students, faculty and staff are invited to use CNC TODAY for notices of meetings, coming events, general news, and any other items of interest they wish to have published. CNC TODAY is normally published every Wednesday throughout the school year and the deadline for submission is 4:30 p.m. Monday. Copy should be submitted to the Public Relations Officer prior to submission deadline.

CNC FREE PRESS

The CNC Free Press is a twice-monthly paper put out by students for the CNC community. The aim of the paper is to keep people informed as to what is happening at CNC and also to provide a vehicle for student comments and concerns. All of the members of the Free Press staff are CNC students who volunteer their time and talents to put out a reputable College paper.

FINANCIAL ASSISTANCE

SCHOLARSHIPS, BURSARIES AND AWARDS

A brochure containing full information on the various sources of financial assistance available to students may be obtained from the Financial Aid Office. In addition to the scholarships, bursaries, and awards donated by various individuals and organizations, the following financial assistance is available to students:

BRITISH COLUMBIA STUDENT FINANCIAL ASSISTANCE PROGRAM

CANADA STUDENT LOAN — PROVINCIAL GRANT

Students requiring financial assistance should obtain and submit the British Columbia Student Financial Assistance application to the Financial Aid Officer at the post-secondary institution they plan to attend, if studying in British Columbia. If funds are required by the beginning of the fall term, applications should be submitted by July 2nd, Applications submitted four weeks after the beginning of classes will be subject to a prorated assessment. Final deadline for submission of applications is 8 weeks prior to the last day of classes.

A detailed booklet describing the program in full is available from the Financial Aid Officer. The following describes the basic elements of the program:

1. Program

   A comprehensive program of assistance for post-secondary students has been introduced by the Federal Government in conjunction with the B.C. Provincial Government to ensure that students are not denied the opportunity to reach their educational objectives due to financial barriers. The purpose of this program is to assist students whose resources are insufficient to provide for the cost of full-time studies at the post-secondary level of education. Funds under the program are therefore granted only where the financial resources available to students from parents, summer work, or other sources are insufficient to meet their estimated educational costs.

   The funds awarded under this program will normally be disbursed through a combination of funds drawn from the Provincial Grant Fund and the Federal Canada Student Loan Plan.

2. Eligibility

   Funds will be provided to eligible students undertaking a minimum of 60 percent of a full program of study leading to a certificate, diploma, or first degree. The amount of assistance awarded will be based on Assessed Need as determined by the Provincial Authority.

3. Canada Student Loan

   Interest on your loan is paid by the Federal Government as long as you are registered as a full-time student and for six months thereafter. You should discuss the interest rates with your lending institution (bank, credit union, etc.) since rates vary from year to year. Students who have received Canada Student Loans, but who do not negotiate one for their immediate period of study, should submit a schedule II to their lending institution in order to retain interst free status. A copy of this form may be obtained from your lending institution.

SPECIAL ASSISTANCE PROGRAM

This program is to provide financial assistance to students who do not qualify under the regular British Columbia Student Financial Assistance Program. This program is not intended to provide funds to cover normal maintenance but rather to cover expenses which are of a direct result of the applicant taking a course of studies, such as tuition, and books. The maximum assistance available will be $300 per educational year ($150 per semester) and will be in the form of a grant.

Students enrolled in the following courses are eligible to apply:

A Less than 60% of a full-time program of credit courses leading to a certificate, diploma or first degree;

B Technical/Vocational courses at public post-secondary institutions of less than 26 weeks in duration;

C B.T.S.D.

Further information and application forms may be obtained from the Financial Aid Officer.

THE WORK-STUDY PROGRAM

The Work-Study Program is designed to provide on-campus work experience for students requiring financial assistance while attending a post-secondary institution.

A limited number of part-time on-campus jobs, averaging 5 to 15 hours per week, may be made available to post-secondary students.

For further information, contact the Financial Aid Officer.

B.C. YOUTH FOUNDATION LOANS

Interest free loans are made by the B.C. Youth Foundation to bona-fide B.C. young people to a maximum age of thirty. Loans may be for fees, books, and/or monthly allowance to assist with living expenses where the applicant is not living at home. Students who are unable to qualify for a Canada Student Loan may apply for a loan from the B.C. Youth Foundation. A suitable adult guarantor is required.

Further information may be obtained from the Financial Aid Officer.

TRAINING ALLOWANCES FOR THE PHYSICALLY, PSYCHOLOGICALLY, OR SOCIALLY HANDICAPPED

Financial assistance is available through Community Vocational Rehabilitation Services in the Ministry of Health. The assistance is made available under the Vocational Rehabilitation of Disabled Persons Act to any individual who is incapable of pursuing regularly an occupation which meets his basic economic needs.

Assistance is not limited to people in vocational training only; academic and technological course work is also endorsed when there is firm evidence that this level of training is required to assist the individual to become employable.

It should be noted that such assistance must be part of a rehabilitation plan approved by the service. Please address enquiries to:

Rehabilitation Consultant
Northern Interior Health District Centre
1444 Edmonton Street
Prince George, B.C. V2M 6W5
Telephone 563-1631

CANADA EMPLOYMENT AND IMMIGRATION COMMISSION (CANADA MANPOWER)

CEIC will sponsor students in certain approved Vocational programs which lead directly to employment. To be eligible, a person must be at least 17 years of age and have been out of school for at least one year. If approved for training, CEIC will pay tuition fees and a maintenance allowance. Apply at your local CEIC Office.

continued

CNC SUBSIDY

The College Council has established an accommodation subsidy for in-region students whose permanent residence is more than 30 km from the College and who are enrolled in 9 or more credit hours of College work, or a specified full-time program of at least 16 weeks duration. Students receiving assistance from a government agency such as Canada Employment and Immigration Commission, Ministry of Labour, or Department of Indian Affairs are not eligible for the CNC subsidy.

The subsidy is paid to qualifying students at the end of each month they are in regular attendance at the following rates:

1. Students enrolled in 9 credit hours - $70 per month.
2. Students enrolled in more than 9 credit hours or in other full-time programs of at least 16 weeks - $100 per month.

To receive the CNC Subsidy, a student must:

a) Apply to the Financial Aid Officer for the CNC Subsidy.

b) Prove his permanent residence is in-region and more than 30 km from the College if requested to do so.

c) Be formally enrolled in the College.

d) Regularly attend classes.

e) Obtain the Verification of Attendance form from the Student Services office at the end of each month, have it signed by the instructor(s), and return the form to Student Services on the last day of the month (or within the following two weeks) at which time cheques will be released.

ROTARY EMERGENCY LOAN FUND

The Prince George Rotary Club has donated a sum of money from which students may be granted emergency short term loans of up to $50.

Applications will only be accepted from students who have exhausted all other avenues of financial assistance, but require a small loan for emergency purposes and can give specific assurance that the loan will be repaid within the time specified on the application.

Application should be made at the Counselling Centre or Financial Aid Office.

CONTINUING EDUCATION

Many students at CNC are adults who wish to return to education for any number of reasons. Some adults have the time to attend the College as regular full time students. If this applies to you, then the regular instructions in this Calendar should be followed.

Many other adults cannot find the time to return to education on a full time basis - they study part-time. As part-time students they have all the rights and priviliges of full time students at CNC. Many of the programmes at the College are designed to allow an adult to follow the programmes on a part-time basis. If you are interested in doing this you should consult a Counsellor. Counsellors are college employees who help you decide what courses you should take.

Some adults attend CNC to take one or two courses for their own interest and don't wish to enroll in a programme. Many working adults do this to upgrade themselves.

The following list of course titles is an example of the types of courses given through Continuing Education.

Adult Basic Education;	- Basic Literacy Programs
	- Academic Preparation
	- English Language Training
	- Vocational Preparation
Vocational;	- Skill Training
	- Trade Certification
General Interest;	- Self Development
	- Recreational
	- Personal Knowledge

These courses, their times and dates are published in a brochure twice a year and distributed in the community. If you want a brochure contact Continuing Education.

The Continuing Education Division is designed to co-ordinate and develop both existing and new programmes in adult, part-time education.

Within this Division, you find:

ADULT BASIC EDUCATION -
ENGLISH LANGUAGE TRAINING - } (See page 16)

VOCATIONAL PART-TIME PROGRAMMES

Upgrading courses covering many occupations in the health, business, trade, transportation, technical, educational, management, natural resources, hospitality and communication areas. (see page 15).

GENERAL INTEREST

The General Interest department of Continuing Education attempts to provide the community with a variety of evening and weekend courses directed at entertainment, as well as education. Courses in the area of Personal Development, Occupational Skills, Recreation and the Arts can all be offered under the umbrella of General Interest. (See page 13).

SEMINARS AND CONFERENCES

Usually initiated when large public demand is recognized.

NATIVE INDIAN PROGRAMMES

This is a developing program that aims to work with status and non-status people to meet their educational and training interests. These include adult upgrading, vocational and career programs both in Prince George and the region. Special programs include Teacher Associate Training, Pre-career preparation and the Native Indian Teacher Education Program. (NITEP)

WOMEN'S ANIMATOR

Programmes available to women on campus and in the college region for ideas and input regarding increasing the access of women to college programmes. Responsible for assessing the special needs of women through women's advisory committees and generally increasing awareness by women's issues throughout the college region.

P.I.T.C.

The Provincial Industrial Training Consultant holds a joint CNC Ministry of Education position. The main function of the job is to provide training expertise for Canada Employment supported on site industrial training programs. The Consultant at CNC is responsible for those programs which take place in the College regions of Northwest Community College (Terrace), the College of New Caledonia (Prince George), and Northern Lights College (Dawson Creek)

ANIK-B - KNOWLEDGE NETWORK

CNC receives educational programming from various institutions in the lower mainland through the Anik-B satellite system. There are live-interactive, telecourses, and video tape courses offered. CNC feeds the Knowledge Network into Cablevision Channel 13.

BCIT/CNC LIAISON OFFICE

CNC offers a number of technology programmes transferable to BCIT. Students take their first year at CNC and then transfer to BCIT to complete their diploma. A BCIT representative is present at CNC to assist students enrolled in these technology transfer programmes.

MANAGEMENT TRAINING

Commencing in 1981, the College of New Caledonia in co-operation with Selkirk College will offer the three part provincially certified program "Management Skills for Supervisors" for clients in our region. Approximately 1500 managers/supervisors have been involved in the provincially certified program. Several B.C. Colleges are delivering this program to clients in their region. The program has received favourable comments from a broad range of clients: first-to-third-line supervisors in major industries; Government employees from various departments Human Resources, the Parks Branch, Forestry; Small Business; and the staff of educational organizations - both colleges and school district personnel. Also, individuals who have taken the program to enhance their own personal skills have responded positively.

UBC AGRICULTURE

Representative of the UBC Faculty of Agriculture Sciences Interior Program, responsible for UBC agriculture credit courses at CNC and non-credit professional development short courses in agriculture in the CNC college region.

Courses in Continuing Education are offered in Prince George and other towns and villages in the college region.

Inquiries and suggestions should be directed to:

Dean, Continuing Education,
The College of New Caledonia,
3330 - 22 Avenue,
Prince George, B.C. V2N 1P8 Phone: 562-2131, Loc. 202

OR,

MACKENZIE -	AREA DIRECTOR - Mackenzie Community Education and Recreation, Town Centre Mall, P.O. Box 2267, Mackenzie. V0J 2C0 Phone: 997-4333
BURNS LAKE -	AREA DIRECTOR - Lakes District Resource Centre, Highway 16, P.O. Box 5000, Burns Lake. V0J 1E0 Phone: 692-3175
VANDERHOOF -	AREA DIRECTOR - Nechako Old Hospital, P.O. Box 129, Vanderhoof. V0J 3A0 Phone: 567-9291
QUESNEL	AREA DIRECTOR - Quesnel College of New Caledonia campus 466 Reid Street, Quesnel. V2J 2M6 Phone: 992-3906
ROBSON VALLEY	AREA DIRECTOR - Robson Valley Box 789, McBride. V0J 2E0 Phone: 569-2229

EXAMPLES OF GENERAL INTEREST COURSES GIVEN AT CNC

Aging and the Individual
Assertiveness Training
Agricultural Symposium
Advances in Soil Sciences
Appraisal
Approaches to Discipline
Archaeology of Ancient China
Ballet
Boreal Agriculture
Burn Out
Buying and Financing a Home
Bee Keeping
Budgeting
Business Writing
Bus Driver Training (Special)
Basic Retail Advertising
Basketball Clinic
Business Law
Behavioural Problems of Children
Communication in the Family
Constitutional Reform
Crisis Intervention
Caring for the Elderly
Commercial Greenhouse
Christianity and Culture
Coping with Being Single Again
Community Awareness
Creative Children's Clothing
Contemporary Issues for Women
Coaching Clinics
Critical Site Logging
Career Planning
Ceramics Workshop
Captain Cook
Care of Psychiatric Patient
Circle Without Centre
Clerical Workshop
Coal Development of North
Communication Skills
Creative Dance
Child Care in the Home
Coping with the Chemically Dependent
Counselling with Christensen
Discipline: Everything You Wanted To Know
Documentary Films
Dark Room Procedures
Death and the Young Child
Downs Children
Developmental Aspects of Sexuality
Discover the World - E.C.E.
Drawing
Drama
E.C.E. Lectures
Evolution of Auto Insurance
Exploring the Solar System
Environmental Law
Environmental Problems for Engineers/Foresters
East African Adventures
Environmental and Energy - The German Approach
Energy Conservation
Energy Alternatives
Flute and Guitar Workshop/Concert
Forest Watershed Management
Film Series for the Deaf
Family Counselling Demo
Four Arrows - Cultural Visit
Food for Thought
Fads and Fallacies in Astronomy
Family Relations Act
Flowering Plants of Prince George
Fraser Valley Meteorology and Air Pollution
G.E.D. Testing
Gallery Singers
Great Halls, Great Walls, Great China
Gifted Children
Gold Rush Days in B.C.
Growth of Self in Early Childhood

Gardening
Handling Stress
Handling Your 35 mm
Hunter Training
House Planning
Human Behaviour in Organizations
Health Care for the Home
Hands On Media Workshop
Historic Diaries
Home School Co-ordinator's Workshop
How to Evaluate Programs
How to Run a Successful Meeting
Intro. To Helping Skills for Native S.W.
Integration of the Mentally Retarded
Interior Home Decoration
Intro. To Industrial Micro-Computers
Insurance Law
Income Tax for Individuals
Learning to Listen
Long Term Care Recreation
Labour Radicalism
Landlord and Tenant
Loggers and New Forest Act
Labour/Management Relations
Learning Disabilities
Legal Aspects of Nursing
Legislation Update
Literature of the Bible
Magic of Dance
Marriage Preparation
Mini Broadcasting
Man for All Seasons
Marital Communication
Management of Technological Corps.
Maria Lewis Workshop
Mini/Micro Computers
Nutrition
National Unity
Native Social Service Workshop
New Directions for Women
Neville Scarfe at CNC
New Ways to Play the Marriage Game
Office Training
People, Pots and Places
Personal Computers
Photography
Poetry
Preparing Your Child for Reading
Pre-school Gym
Pesticides
Policy for Administration for Professional Foresters
Pottery
Problems of Log Transport
Planned Parenthood
Printmaking
Public Speaking and Vocabulary Building
Pivot Point
Real Estate Seminars for Licensed Agents
Range Management
Rape Relief
Reproductive Bias and Sexual Oppression
Right to Die
Ritual Life of Modern Man
Religion in Post-Secondary Education
Referendum and Provincial Nationalism
Rug Weaving
Recreation (Racquetball, Dance, Fitness, Archery, Karate, Yoga
Remote Sensing Techniques
Recycle Research
Reflexology
Retail Fashion Sales
Sculpture
Skiing trip
Social Services Evaluation
Solar Energy
Stats Canada Workshop
Successful Parenting
Science Activities
Speed Reading
Study Skills
Self-Awareness
Skills in Helping Kids Cope
Secretarial Seminar
Silkscreening
Separation Survival
Social Ethics
Technical Report Writing
Thinking About Sasquatch
Tailoring
Truck Driving
The House that Jill Built
Time Management
The Canadian Monarchy
The Case for Quebec Separation
The United Nations
To the Edge of the Universe
Today's Toys, Tomorrow's Tools
The Unfriendly Host
Uncoupling and Single Parenthood
Using Penicillin to Treat Schizos
Words and Love
Wills and Estates
Woodcarving
Women's Conference
Water and Waste Treatment
Winning the co-op of Adolescents/Young Kids
Women Writers in Canada
What to do until the Psychiatrist Comes
Your Board of Directors
You, Yourself Inc.

PART-TIME VOCATIONAL COURSES AND SHORT FULL-TIME PROGRAMS AVAILABLE THROUGH CONTINUING EDUCATION.

Accounting-Beg/Intermediate
Accounting-Advanced
Air Brakes
Air Ground School
Analog Control Systems
Automotive Tune-up
Automotive Electrical
Auto-Alternator Generators
Auto-Carburetion
Auto-Starting and Ignition Systems
Automatic Transmissions
Automotive T. Q. Refresher
Basic Communication Techniques
Basic Electronics
Basic Electronic Logic
Basic Kitchen Management
Basic Instrumentation
Basic Record Keeping Practices
Basic SCR Drive Controls
Beverage Alcohol Services
Building Service Worker
Bus Driver Training
Business Letter Writing
Business Machines
Business Office Training
Business Taxation Procedures
Communication (English Upgrading)
Credit and Small Claims
Cross Connection Controls
Carpenters T. Q. Refresher
Construction Estimating
Critical Path
Design and Pattern Making
Drafting I
Drafting & Blueprint Reading
Effective Communication
Electrical Estimating
Electrical Code Refresher
Electrical Controls & Instruments
Electric Heat
Electric Motors
Electrical T. Q. Refresher
Flagging
Forkner Shorthand
Front End Alignment
Front Office Management
Gasfitting - Grade I
Gasfitting - Grade II
General Accounting
Geology and Prospecting
Gregg Shorthand
Heavy Duty Mechanic T. Q. Ref.
Heavy Equipment Maintenance
Housekeeping for Hospital and Hotel
How to Start a New Business
Human Resources Management
Hydraulics - Unit I
Hydraulics - Unit II
Hydraulics - Unit III
Industrial Controls (Interlocks, etc.)
Industrial Electricity
Industrial First Aid
Industrial Fiberglass Reinforced Plastics
Industrial Math for Trades
Instructional Techniques
Junior Partsman's Training
Legal Conveyancing
Legal Litigation
Legal Stenography - Basic
Light Rigging
Log Building Construction
Log Scaling
Lumber Grading
Machinists T. Q. Refresher
Machine Transcription
Magnetic Particle Testing
Math for Tradesmen
Math and English Improvement
Medical Receptionist
Medical Terminology - Basic
Medical Terminology - Advance
Medical Stenography
Mechanical Math and Drawing
Metrics for Mechanical Trades
Metrics for Operators
Micro Processors
Mineral Processing
Millwright T. Q. Refresher
Non Destructive Testing
Office Etiquette
Oil Burner Service Refresher
Painting & Decorating T. Q. Ref.
Pipefitting T. Q. Refresher
Plumbers T. Q. Refresher
Pneumatics
Power Distribution
Principles of Supervision - Basic
Principles of Supervision - Advanced
Professional Bartending Training
Professional Driver Training
Provincial Homemakers Training
Refrigeration for Servicemen - Basic
Refrigeration for Servicemen - Intermediate
Retail Sales
Retail Security
Report Writing
Rigging and Signalling for Trades
Roofing Upgrade
Saw-Filing
Shorthand Refresher
Skidder Winches
Small Business Accounting
Small Engine Service
Solid State Ignition
Sprinkler Fitting T. Q. Refresher
Steel Fabrication
Structures I
Telecommunications I - Part I and Part II
Telecommunications II - Part I and Part II
Transit and Level
Travel Agent - Basic and Intermediate
Travel Counselling Techniques
Tool Making for Trades
Trapper Education
Trout Farming
Typing - Intermediate
Typing Refresher
Short Order Cook
Ward Unit Clerk
Water-Wastewater Upgrading
Waiter-Waitress Training
Basic Welding
Beginners Oxyacetylene Welding
Beginners Arc Welding
Intermediate Arc Welding & Advanced
Metallurgy Welding
Mig Tig Welding
Ultra Sonic Testing
Vibration Analysis
Sculptural Welding (Art form)

PROGRAMS

ADULT BASIC EDUCATION PROGRAMS

These College programs are designed for people who want to acquire basic literacy skills, to complete a secondary school education, or to learn how to compete more successfully in the labour market. Successful completion of such programs will prepare for students admission to vocational training or post-secondary studies and/or for actively seeking employment.

All of the following components of the ABE program are offered on the Prince George campus and most are offered at major centres in the College region though the Continuing Education Division.

1. Basic Literacy Programs — programs in the basics of reading, writing, and computing necessary for further studies or for coping with real life situations.
2. Academic Preparation — course work designed to prepare students for vocational, technological, or university study at the College or other post-secondary institutions.
3. English Language Training — courses for new Canadians needing to learn English, and more advanced courses to improve written and spoken English of those for whom it is a second language.
4. Vocation Preparation — courses designed to provide the basic skills necessary to compete in the labour force.

BASIC LITERACY PROGRAMS

Volunteer Adult Literacy Tutoring (VALT)

The College's VALT program provides one-to-one tutoring for adults who wish to acquire basic reading skills to the Grade 5 level. There are two elements to this program: First, the College provides training in literacy tutoring for volunteers from the community who wish to serve as tutors. Training sessions for tutors are usually held every three months. Second, the College assesses the need for tutoring of adults who require basic reading skills and pairs them with trained tutors. The students and their tutors usually meet for two to four hours per week at times and places of their choosing.

ADMISSION REQUIREMENTS: For tutors; The desire to work with an adult requiring basic reading skills and the commitment to provide such services on a volunteer basis.

For Students: The need for basic reading skills; a lack of serious learning disabilities.

COMMENCEMENT DATES: Tutor training sessions will be held in the fall, winter and spring. For information on times and locations, contact the ABE Division.

Students start in the program when a trained tutor is available for them.

FEES: There are no fees for this program.

BASIC LITERACY COURSES

Course work in basic literacy concentrates on communications (English) and Mathematics.

Level I (grades 1-5)	English 010 Mathematics 010
Level II (grades 6-8)	English 020 Mathematics 020

ADMISSION REQUIREMENTS: **Applicants must be 17 years of age, must have been away from the public school system for a period of at least one year,** and must be capable of concentrated independent study.

Placement testing may be required of students entering basic literacy courses so that appropriate course work can be assigned.

Sponsorship for level II studies may be available through C.E.I.C. (Canada Manpower) — ask for the BTSD (Basic Training for Skills Development) program — or through other agencies.

LENGTH OF PROGRAM: Program length varies to suit individual needs. Level I and level II studies may require up to five months each.

COMMENCEMENT DATES: On-campus level II programs are offered year round, with monthly admissions; level I courses are offered from September to April, with monthly admissions. For information on regional courses, contact the local office of the College's Continuing Education Division.

FEES: Tuition: $33.00 per course
Student Association: $10.00 for 4 months
Registration: $1.00

ACADEMIC PREPARATION PROGRAMS

Students who need to complete certain prerequisites of CNC vocational, technological, or university programs may enroll in academic preparation programs on a full or part-time basis. Studies in English, Mathematics, and the Sciences through the level of secondary school completion are offered.

Level III (grades 9-10)	English 030 Mathematics 030 Science 030	(three courses constitute full-time study)
Level IV (grades 11-12)	English 040 Mathematics 040 Biology 040 Chemistry 040 Physics 040 Science 041 English 041	(four courses constitute full-time study)

ADMISSION REQUIREMENTS: Applicants must have basic English and Mathematics skills, **must be 17 years of age, must have been away from the public school system for at least one year,** and must be capable of concentrated independent study.

Placement testing may be required of students entering academic preparation programs so that appropriate course work can be assigned.

Sponsorship for level III and level IV studies may be available through C.E.I.C. (Canada Manpower) — ask for the BTSD (Basic Training for Skills Development) program — or through other agencies.

LENGTH OF PROGRAM: Program length varies, depending on individual needs. Level III studies usually require four months: Level IV studies require six months.

COMMENCEMENT DATES: On-campus level III and level IV programs are offered year round. Admissions to day-time programs are accepted monthly. Evening programs begin in September and January. For information on regional courses, contact the local office of the College's Continuing Education Division.

FEES: Tuition: $33.00 per course
Student Association: $2.50 per month
Registration: $1.00

GRADE 12 EQUIVALENCY TESTS (GED)

The General Educational Development (GED) Tests are used to award a secondary school (Grade 12) equivalency certificate. This secondary school certificate is often used for employment, job advancement, and admission to educational programs. The tests cover writing skills, social studies, science, reading skills, and mathematics.

ADMISSION REQUIREMENTS: Applicants must meet the following three requirements at the time of application:

- Minimum age of nineteen.
  British Columbia residency of at least six months immediately preceding the date of application to write.
  Out of school for at least one full academic year.

COMMENCEMENT DATES: The GED Tests are administered at CNC approximately eight times a year. Preparation classes (CNC 150-0) are held prior to each test. The classes are for five weeks (45 hours) and stress English and Mathematics. For further information contact the Study Skills Centre.

ENGLISH LANGUAGE TRAINING

A variety of programs in "English as a Second Language" are offered by the Division. These courses will help new Canadians or others who have problems in reading, writing, or speaking English.

Students entering the program may be asked to write placement tests assessing their skills in English to that they may be placed at the appropriate level of study.

Beginner's Courses

Designed for those with no skills in English. Participants will learn pronunciation, intonation, and stress patterns of speech. Class discussion is encouraged to help develop conversational English. Sessions will be supplemented with guest presentations, films, audio tapes, and tours.

LENGTH OF PROGRAM: 6 months (full-time).

COMMENCEMENT DATE: September. Additional courses may be offered during the year as demand requires.

FEES: Tuition $99.00
Student Association $15.00
Registration $1.00

Intermediate and Advanced Courses

Intermediate courses designed for those with a basic understanding of English and advanced courses for those wishing to upgrade their writing and speaking skills to a college entrance level are offered as demand arises.

In general these courses are part-time (5 to 15 hours of class time per week). They may be scheduled during days or evenings. Please contact Registrar's Office or the ABE Division for information about locations and dates.

COMMENCEMENT DATES: September and January. Additional courses may be started during the year as demand requires.

FEES: Variable

VOCATIONAL PREPARATION PROGRAMS

Basic Employment Skills Training

A program designed to prepare people to directly enter the labor market or to enter further upgrading or skill training. Content will include communication and listening skills, problem solving skills, work experience, career exploration, and job search techniques.

ADMISSION REQUIREMENTS: This course requires no specific educational standing; applicants should be able to read, write, and follow directions. Applicants should be 19 years of age, and be committed to finding employment or seeking further training.

LENGTH OF PROGRAM: 2 months.

COMMENCEMENT DATES: On-Campus courses begin every second month, starting in September. For information on regional courses, contact the local office of the College's Continuing Education Division.

FEES: Tuition $33.00
Registration $1.00

Employment Orientation for Women

For women who would like to enter the labour force, this program offers a chance to assess their skills, and choose a career that will suit their needs, abilities, and aptitude. Content will include communication and listening skills, problem solving skills, career exploration, and job search techniques. The program is designed to build confidence and assist women in choosing and preparing for a career.

ADMISSION REQUIREMENTS: This course requires no specific educational standing; applicants should be able to read, write and follow directions. Women applying for the program should be 19 years of age and be committed to the goals of the course.

LENGTH OF PROGRAM: 2 months

COMMENCEMENT DATES: On-campus courses begin every 2 months, starting in September. For information on regional courses, contact the local office of the College's Continuing Education Division.

FEES: Tuition $33.00
Registration $1.00

Youth Employment Skills

This course is designed for young people who have left the regular school system and are having problems adjusting to the world of work. It fosters personal development and provides young people with a chance to plan for a future based on their abilities and aptitudes. Job search techniques include two weeks of actual work experience.

ADMISSION REQUIREMENTS: Applicants should be between 15 and 18 years of age, have been out of the regular school system for at least two months, and be committed to finding a job or seeking further training.

LENGTH OF PROGRAM: Two months

COMMENCEMENT DATES: On-campus courses begin every two months, starting in September. For information on regional courses, contact the local office of the College's Continuing Education Division.

FEES: There are no fees for this program.

Pre-Technical Training

This program is designed to provide people with orientation to the labour market, with familiarization with industrial tools and conditions of work, and with academic upgrading. The course is divided into three modules;: Module 1 (8 weeks) concentrates on building communication and problem solving skills and on examination of persons and career goals; Module 2 (8 weeks) provides job orientation through familiarization with basic tools, work on shop projects, safety procedures, and tours of work setting in the community; Module 3 (4 weeks) concentrates on instruction in job search techniques. In addition, academic upgrading leading to the writing of the GED (General Educational Development) Tests is offered throughout the course.

ADMISSION REQUIREMENTS: Grade 8 ability in reading, writing and verbal communication. Age 19 or over. Committed to the goals of the program.

LENGTH OF PROGRAM: 5 months

COMMENCEMENT DATES: To be scheduled

FEES: Tuition $75.00
Student Association $12.00
Registration $1.00

APPRENTICESHIP AND PRE-APPRENTICESHIP TRAINING

The College of New Caledonia, in conjunction with the Ministry of Labour, conducts courses in Pre-Apprenticeship and Apprenticeship training.

Pre-Apprenticeship courses include:

Heavy Duty Mechanics
Millwright
Carpentry

Apprenticeship training presently offered are:

Automotive Mechanical Repair
Carpentry
Electrical
Heavy Duty Mechanics
Millwright

Persons interested in any of these trades should apply through the Ministry of Labour, Apprenticeship and Industrial Training Branch, Room 222, 1488 - 4th Avenue, Prince George, B.C. V2L 4Y2
Telephone 562-8131, Local 227/228.

NOTE: TRADES COURSE REQUIREMENTS - GENERAL

All students must supply own steel-toed boots.
Students of all courses 3 months or longer shall purchase their own coveralls available through the Bookstore. (proposed)
Students of all courses less than 3 months shall rent coveralls at $2.00 per week of use. (proposed)
Students of all courses that require welding shall supply their own leather gloves.
Students of all courses that require the use of hard hats shall purchase their own head band available through the Bookstore. (proposed)

ASSOCIATE OF ARTS — Diploma

A student must complete 60 credit hours from approved courses. Twenty-one of these credit hours must be obtained from courses numbered 200 and above. Twenty-four credit hours must be completed at CNC, including the last twelve.

Six credit hours must be obtained from English 101, 102 or 103. In addition, at least six credit hours must be obtained from each of the Social and Natural Sciences. Of the sixty credit hours required for the diploma, thirty-six credit hours must be from Liberal Arts and Social Science courses. The remaining credit hours will be selected from approved College courses.

Approved courses will include all University Transfer courses as well as other designated courses.

A minimum overall G.P.A. of 2.0 must be attained with no more than six credit hours below a G.P.A. of 2.0.

ADMISSION REQUIREMENTS: Grade 12 graduation, GED or BTSD IV.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September or January.

FEES: See page 8.

AUTOMOTIVE MECHANICAL REPAIR — Certificate

Automotive Mechanical Repair is an Apprenticeship program in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Ministry of Labour.

The employment situation is normally indoors and may be anywhere from a small repair shop or service station doing general mechanical repairs, to the complex service department of a large automobile or trade dealership.

In many cases the work involves direct contact with the public where courtesy, co-operation and at times the ability to accept criticism is important.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Minimum Grade 10 or a suitable level to meet the requirements of this program. Applicants must be 16 years of age or older and be in good health; non-allergenic to solvents and lubricants; have a good mechanical aptitude. Participant must be an indentured apprentice.

LENGTH OF PROGRAM: 4 week intervals

COMMENCEMENT DATE: As per Ministry of Labour.

FEES: Tuition:
Paid by Ministry of Labour
Registration fee- $1.00

NOTE: Application made through the Ministry of Labour Apprenticeship Training Branch.

BROADCAST TECHNOLOGY

The Broadcast Technology Program is designed to provide trained personnel in broadcast journalism and radio and television production. The educational emphasis is on versatility so that a graduate may find employment within a variety of occupations in the broadcast industry. The program is designed to provide the student with both general academic background and the technical skills required for either television production or broadcast journalism.

Students complete their first year of the Program at CNC and then transfer to British Columbia Institute of Technology for a second year in either Broadcast TV or Broadcast Journalism options.

ADMISSION REQUIREMENTS: Students are required to have completed B.C. Grade 12 or equivalent or have GED or BTSD IV. Admission is in part determined by a personal interview. Applicants who are uncertain as to whether or not they have an adequate educational background should consult the Student Services Division. Enrollment is limited; therefore, early application is advised.

COMMENCEMENT DATE: September 1981

FEES: Standard CNC Fees are applicable for CNC sessions.
Additional fees will be charged for technical intersessions all of which are conducted by BCIT.

THE PROGRAM: (currently under review)

SEMESTER I	
Business Fundamentals	BUS 153-3
Effective Communication I	ENGL 151-3
Introduction to Economics	ECON 101-3
Introduction to Geography	GEOG 101-3
World History - Mid 20th Century	HIST 102-3
Technical Intersession (1 week) in Prince George	
SEMESTER II	
Anthropology - one of	ANTH 101-3 or ANTH 102-3
Effective Communication II	ENGL 152-3
English Literature - one of	ENGL 101-3, 102-3 or 103-3
Creative Writing	ENGL 205-3
Canadian Economic Issues	ECON 102-3
Political Science - one of	POSC 201-3 or 202-3
Technical Intersession - 1 week in Prince George	
Technical Intersession - 1 month at BCIT	

BUSINESS ADMINISTRATION — Diploma

Two year Diploma Programs in Electronic Data Processing, Accounting and Business Administration.

These three programs will prepare students for entry into management trainee and specialist positions in a wide range of businesses and institutions. Government, retailing and wholesaling, banking and finance, manufacturing, and service businesses represent some of the major career avenues in which the graduate will be able to seek employment. Job opportunities are excellent, and a number of employers recruit on campus.

One of the most important criteria applied in selecting courses for the two year programs is their relevance to the student seeking access to a specialist and/or management career in the business field. Advisory committees made up of community people from a wide variety of companies and professions are constantly reviewing the programs and making recommendations as the field changes, to ensure that CNC programs keep in touch with the latest developments and community needs in business education.

The orientation in the program is thus on a combination of technical and management skills plus technical and management theory which the student can apply to his or her business career. Throughout the program, considerable attention is paid to bringing the student into contact with the business world through such activities as field projects, guest lectures, field trips and through contact in the classroom with students with experience in the business community.

Four professional accounting bodies recognize CNC courses in accounting, data processing, and business administration as being equivalent to many courses in their own programs of study. These exemptions are granted by the Institute of Chartered Accountants, the Society of Management Accountants, the Certified General Accountants Association and Institute of Accredited Public Accountants of B.C. (APA).

See page 62 for Business Administration Transfer Guide.

Any student considering a career in the accounting profession should discuss his or her plans with an instructor so that he or she can be provided with complete details on these programs.

While the program can be completed in four semesters, it is also worthwhile to consider spreading the 23 courses over 5 or 6 semesters, for instance to allow for part-time employment. Many first and second year courses are offered in the evening to allow students who work during the day to attend classes.

Students may challenge any course in which they feel they have adequate background. A successful challenge will result in the student being granted CNC credit for that course.

RECOMMENDED SECONDARY SCHOOL COURSES: Bookkeeping 11, Consumer Math 11 or Algebra 11.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATES: September 2. Part-time entry is possible in January and students should consult a counsellor.

FEES: See page 8.

THE PROGRAM:

The first two semesters of the program are designed to provide the student with introductory courses in Business Management, Accounting and Electronic Data Processing and to develop essential background skills in Math and English.

The first year is designed also to provide students with an overview of the entire career field of business, so that they may find it easier to make an informed career choice.

There are three options open to students of the Business Administration Program:

- Accounting and Finance
- Business Administration
- Electronic Data Processing

Students must select their program in consultation with a faculty member from Accounting, Business Administration or EDP. It is recommended that this be done before enrolling in the second semester.

COMMON TO ALL OPTIONS

SEMESTER 1	
Accounting I	BUS 151-3
Business Fundamentals I	BUS 153-3
Effective Communication I	ENGL 151-3
Mathematics of Finance	MATH 154-3
Data Processing Fundamentals	EDP 151-3

ACCOUNTING AND FINANCE OPTION

This option is provided for those who wish to prepare themselves for a career in the field of accounting and finance. Excellent career paths are accessible to students who choose this route. As mentioned before, many of these courses are accepted by the professional accounting associations, and a graduate of the program may continue his or her education through progress towards professional certification. Employment opportunities are numerous in the accounting field in many companies — small and large — both as a public accountant and as a specialist within the company. At a later stage, the graduate may wish to branch out into other areas of business, and accounting experience and training is a fine preparation for this.

SEMESTER 2	
Accounting II	BUS 152-3
Applications in Accounting	BUS 156-3
Introduction to Business Statistics	MATH 157-3
Effective Communication II	ENGL 152-3
Introduction to Economics*	ECON 151-3
Computer Programming I	EDP 152-3
SEMESTER 3	
Intermediate Accounting	BUS 251-3
Cost Accounting I	BUS 253-3
Financial Management I	BUS 257-3
Canadian Economic Issues*	ECON 152-3
Business Law I	BUS 293-3
Human Relations	BUS 268-3
SEMESTER 4	
Intermediate Accounting II	BUS 252-3
Cost Accounting II	BUS 254-3
Financial Management II	BUS 258-3
Credit and Collections	BUS 261-3
Business Law II	BUS 294-3
Organizational Behaviour	BUS 274-3

*Economics 201/202 may be substituted with instructor's permission.

BUSINESS ADMINISTRATON OPTION

This option prepares students for junior or trainee management positions in a wide range of businesses and governmental agencies. Banking, retailing, manufacturing and service businesses represent a few of the main fields of business where a student may follow a career. The courses in this option do not favour a concentration in specialized course work but rather provide student a broad spectrum of content in such fields as marketing, finance, law, organizational behaviour, human relations, and economics. There are a number of courses also which will give the student an opportunity to acquire skills and experience in such management areas as credit and collections, small business management, and purchasing.

SEMESTER 2	
Accounting II	BUS 152-3
Applications in Accounting	BUS 156-3
Introduction to Business Statistics	MATH 157-3
Effective Communication II	ENGL 152-3
Marketing I	BUS 271-3
Introduction to Economics	ECON 151-3
SEMESTER 3	
Financial Management I	BUS 257-3
Human Relations	BUS 268-3
Canadian Economic Issues	ECON 152-3
Business Law I	BUS 293-3
Plus two Business Electives such as:	
Industrial Relations	BUS 277-3
Personnel Administration	BUS 275-3
Small Business Management	BUS 266-3
EDP 251, 253, 255 or **152**/BUS 251-3 or 253-3	
SEMESTER 4	
Financial Management II	BUS 258-3
Credit and Collections	BUS 261-3
Organizational Behavior	BUS 274-3
Business Law II	BUS 294-3
Business Policy	BUS 265-3
Plus one Business elective such as:	
Marketing II	BUS 272-3
Principles of Management	BUS 255-3
Purchasing	BUS 262-3
EDP 252, 254, 256 or 152 / BUS 252 or 254	

ELECTRONIC DATA PROCESSING OPTION
(Currently under review. See addendum)

The increasing need to assemble and interpret vast amounts of information has resulted in tremendous expansion in the field of data processing. The electronic computer is now being used in virtually every area of business and industry. The computer is also being used extensively in scientific engineering and research projects.

The application of the computer to business problems requires a great deal of human planning and preparation. Information processing must be both timely and accurate. the computer is a versatile and useful calculating facility but it must be given careful and detailed instructions. This requires analyzing the situation and defining the problem, formulating a solution and expressing the solution in terms the computer can understand.

The Data Processing option is designed to prepare the individual for employment as a computer programmer or systems analyst.

The College has recently installed a sophisticated modern computer for the use of students and faculty. The new computer will facilitate the teaching of sophisticated processing techniques.

SEMESTER 2	
Accounting II	BUS 152-3
Applications in Accounting	BUS 156-3
Introduction to Business Statistics	MATH 157-3
Effective Communication II	ENGL 152-3
Introduction to Economics	ECON 151-3
Computer Programming I	EDP 152-3
SEMESTER 3	
Computer Programming II	EDP 251-3
Systems Analysis	EDP 253-3
Business Uses of the Computer	EDP 255-3
Cost Accounting I	BUS 253-3
Human Relations	BUS 268-3
Business Elective - 3 semester hours	
SEMESTER 4	
Computer Programming III	EDP 252-3
Systems Design	EDP 254-3
Managerial Computer Applications	EDP 256-3
Organizational Behavior	BUS 274-3
Management Information Systems	EDP 257-3
Business Elective - 3 semester hours.	

CERTIFICATE PROGRAM IN BUSINESS ADMINISTRATION

Certificate

This program is designed primarily for those students who have had considerable experience in the business community, and who wish to supplement their background with courses in business administration. Most of these courses are offered at the College on a regular evening basis almost every year.

Those people completing the Certificate Program must accumulate 30 credit hours, though upon application CNC is prepared to grant credit towards the certificate for course work in Business Administration completed at other institutions.

Where the business experience of the student overlaps course work, an exemption from the course may be granted by CNC. In that case, the student is free to select other course work to count in the 30 credit hours. Students are free to challenge any CNC courses, and a successful challenge will result in the student being granted the appropriate CNC credit.

In terms of credit for courses taken elsewhere, in terms of exemptions for experience, and the policy on challenges, then, the program is as flexible as possible to allow those on the program to select course work which they feel is most relevant to their needs.

The selection of courses is large, and most people will be able to put together a tailor-made program most appropriate to their needs

Many courses are transferable for credit in programs of study set out by the Institute of Chartered Accountants, the Society of Industrial Accountants, the Certified General Accountants Association, Institute of Accredited Public Accountants of B.C. (APA).

REQUIRED COURSES

(Must be taken, have credit for, or be granted an exemption for, on all programs of study.) However, students are encouraged to apply for exemptions where they feel experience warrants or where required courses are not relevant to educational objectives. All courses are one semester long and carry 3 credit hours. Each course is 45 hours in the lecture room: evening courses meet 3 hours once a week for 15 weeks.

Fundamentals of Accounting I	BUS 151-3
Fundamentals of Accounting II	BUS 152-3
Business Communication I	ENGL 151-3
Principles of Management	BUS 255-3
Financial Management	BUS 257-3
Marketing I	BUS 271-3
Organizational Behavior	BUS 274-3
ELECTIVES:	
Intermediate Accounting I	BUS 251-3
Intermediate Accounting II	BUS 252-3
Cost Accounting	BUS 253-3
Cost Accounting II	BUS 254-3
Financial Management II	BUS 258-3
Credit and Collections	BUS 261-3
Purchasing	BUS 262-3
Business Policy	BUS 265-3
Small Business Management	BUS 266-3
Marketing II	BUS 272-3
Retail Merchandising	BUS 278-1
Personnel Administration	BUS 275-5
Interviewing and Counselling	BUS 276-3
Industrial Relations	BUS 277-3
Human Relations in Business	BUS 268-3
Business Law I	BUS 293-3
Business Law II	BUS 294-3
Data Processing Fundamentals	EDP 151-3
Computer Programming I	EDP 152-3
Computer Programming II	EDP 251-3
Computer Programming III	EDP 252-3
Systems Analysis	EDP 253-3
Systems Design	EDP 254-3
Business Uses of the Computer	EDP 255-3
Managerial Computer Applications	EDP 256-3
Management Information Systems	EDP 257-3
Principles of Economics - Macroeconomics	ECON 201-3
Principles of Economics - Microeconomics	ECON 202-3
Introduction to Economics	ECON 151-3 or 101-3
Canadian Economic Issues	ECON 102-3
OR	
Any other Business or EDP Course.	

BUSINESS OFFICE TRAINING PROGRAMS

These programs are designed to train the student for employment at the entry level positions available in today's business, government, and industrial offices.

The programs are developed for maximum flexibility because under supervision of the instructors, each student will be able to progress through the subject matters according to his/her own ability.

The following four certificate programs are offered:

TYPIST

This program prepares the student for a position involving general office duties such as filing, duplicating, typing, processing mail, and working as a receptionist.

CLERK TYPIST

This program prepares the student for a position involving typing, dicta-typing, recordkeeping, payroll, and office clerk responsibilities.

CLERK STENOGRAPHER

This program prepares the student for a position involving clerk-typist responsibilities as well as stenographic duties. With job experience, a graduate of this program may advance to a secretarial position.

BOOKKEEPING CLERK

This program prepares the student for a position involving payroll, ledger entries, and reconciliations.

If the student wishes, he/she may select subjects that do not include all subjects listed for a certificate program. Any subject may be taken, as long as the prerequisites are met. Upon completion, the student would receive a transcript showing the subject area(s) and grade(s) earned.

Counselling is available to assist the student in selecting the program and subject areas which are most compatible with his/her aptitude, capability, interest, and career goal.

Advanced program options are:

ACCOUNTING CLERK

Prerequisite : successful completion of bookkeeping clerk module with a minimum "B" standing in Bookkeeping (B103). Under supervision of an Accountant, a graduate of this program will be able to do adjustments and financial statements.

ADMISSION REQUIREMENTS: Grade 12, BTSD IV, or GED or 17 years of age and one year out of school or Mature Student Status.

NOTE: Initial placement in the program will be on the basis of a Placement Test.

HOW TO APPLY: Contact CNC Student Services (562-2131) for an information kit which contains all necessary information for application.

COMMENCEMENT DATE: Business Office Training Programs have a continuous intake as space permits.

LENGTH OF PROGRAM: Will vary with needs of the individual student.

WORD PROCESSING

PREREQUISITE: Successful completion of any Office Administration Program with a minimum typing speed of 55 words per minute. (For further details, refer to Word Processing Course Description).

The following courses are offered in the Business Office Training Programs:

		Typist 45 nwpm	Clerk-Typist 45 nwpm	Steno-Clerk 55 nwpm	Bookkeeping Clerk 35 nwpm
Typing	T070	X	X	X	X
Typing	T071	X	X	X	X
Typing	T072			X	E
Machine Transcription	M070	E	X	X	E
Machine Transcription	M071		E	X	E
English Grammar/Punctuation	E070	X	X	X	X
English Spelling	E071	X	X	X	X
English Letterwriting	E072	E	X	X	X
Business Arithmetic	A070	E	X	X	X
Calculators	C070	E	X	X	X
Intro. to Business	B070		X	X	X
Record Keeping	B071		X	X	
Bookkeeping	B072				X
Forkner Shorthand	S070			X	
Office Practice	P070	X	X	X	X
Office Practice	P071	X	X	X	X
Office Practice	P072	X	X	X	X
Office Practice	P073	X	X	X	X

X = Required for successful completion of program
E = Elective, with permission of instructor

ADMINISTRATIVE SECRETARIAL PROGRAM

This program provides extensive skill development opportunities in the following areas:

Typing
Pitman Shorthand
Machine Transcription
Business English
Business Letter Writing
Business Office Procedures
Business Machines
Computer Technology (Introduction)
Work Processing (Introduction)
Public Relations
Personal Dynamics
On-the-Job Training

Successful completion of the course will provide marketable skills, human relations, awareness, and decision-making competencies so that the secretary will be able to operate with minimum of supervision. These qualities should eventually lead the graduate to a rewarding position such as office supervisor, executive secretary, or administrative assistant.

ADMISSION REQUIREMENTS: Grade 12, BTSD IV, GED or 17 years of age and 1 year out of school or Mature Student status.

All students will be required to take a test of clerical proficiency.

COMMENCEMENT DATE: September.

LENGTH OF PROGRAM: 9 months

HOW TO APPLY: Contact Student Services (562-2131) for an information kit which contains all necessary information for application

WORD PROCESSING PROGRAM

This course is designed to introduce the student to the concept of word processing (WP), and will cover theory as well as hands-on-training.

ADMISSION REQUIREMENTS: Grade 12, BTSD IV, GED or 17 years of age and 1 year out of school or Mature Student status. Graduate of Business Office Training Program or Administrative Secretarial Program or recent work experience in an office. Typing minimum of 55 words per minute.

HOW TO APPLY: Contact Student Services (562-2131) for an information kit which contains all necessary information for application.

COMMENCEMENT DATE: To be determined.

LENGTH OF PROGRAM: To be determined.

CARPENTRY - PRE APPRENTICE Certificate

A Pre-Apprentice course in a Designated Trade sponsored by the apprenticeship and Industrial Training Branch, Ministry of Labour. This course is designed to prepare students for employment as apprentices in the construction industry.

ADMISSION REQUIREMENTS:
Grade 10 Minimum.
Grade 12, B.T.S.D. Level 4, B.T.S.D. preferred.

LENGTH OF PROGRAM: 5½ Months

COMMENCEMENT DATES: Contact Student Services.

FEES: Tuition paid by Ministry of Labour.
Student Association - $15.00
Registration - $1.00

THE PROGRAM:
- Safety Procedures
Care and Use of Hand Tools
Knowledge of wood, plastics and related products
Blueprint reading
Layout and construction of footing and Concrete forms

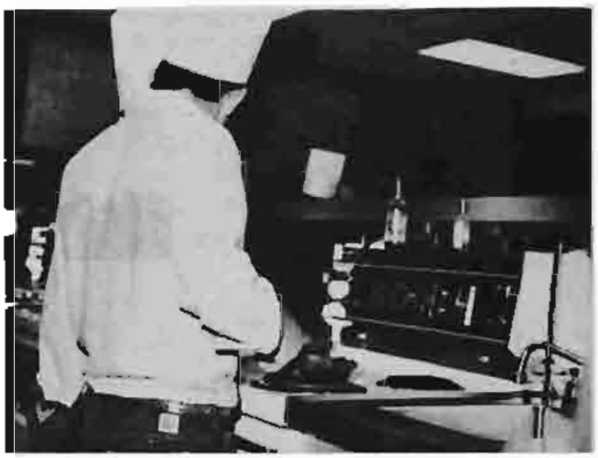
CARPENTRY APPRENTICE

A Carpentry apprenticeship program is offered through CNC as a Designated Trade sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour.

ADMISSION REQUIREMENTS: To enter this program the participant must already be an indentured apprentice. (Contact Ministry of Labour Apprenticeship Training Branch.)

LENGTH OF PROGRAM: 4 Weeks.

FEES: Tuition paid by the Ministry of Labour.
Registration - $1.00



COOK TRAINING Certificate

This program provides training with supporting theory in the skills of short order cooking. Instruction will be provided in the preparation of convenience products, salads, sandwiches, soups, sauces, garnishes and breakfast menu items.

Graduates of this program may find employment as pantry cooks, vegetable cooks, breakfast cooks, grill cooks, short order cooks or salad makers.

Theory and demonstrations are supplemented with practical sessions in the laboratory and kitchen.

ADMISSION REQUIREMENTS: Applicants must supply a recent health certificate and chest x-ray.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATE: June.

FEES: Tuition - $150.00
Student Association - $25.00
Registration - $1.00

CRIMINAL JUSTICE PROGRAM Diploma

The program is designed to provide pre-employment training as well as continuing education and upgrading opportunities to those who plan or are already involved in law enforcement careers — correction officer, probation officer, police officer and related paraprofessional occupations within the criminal justice system.

The program will also provide continuing education or pre-employment training for those employed or planning employment with agencies providing security services.

The program will be offered on both a full-time and part-time basis. Final details of course offerings are not complete at the time of this writing. However, the program will include a wide range of courses such as (but not limited to) Introduction to the Criminal Justice System, Criminology, Deviant Behavior, Communication and Counselling, Developmental Psychology, Technical Writing, Criminal Law, etc.

A special feature of the program is that graduates will develop specific competencies and knowledge in the criminal justice field while at the same time completing the equivalent of a minimum of one year of University Transfer course work.

More detailed information about the program should be available in late spring 1981 from Student Services. However, prospective students are encouraged to inquire at any time regarding plans for this program.

ADMISSION REQUIREMENTS: Interested applicants should check with a CNC counsellor.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: To be determined.

The offering of this program is subject to Ministry of Education approval. Please contact a CNC counsellor for details.

CHEMICAL AND METALLURGICAL TECHNOLOGY — Diploma

Students in the Chemcial and Metallurgical Technology program will after successfully completing their year at CNC, transfer to BCIT for their second year in the Organic Chemistry, Physical Metallurgy, Extractive Metallurgy, or Pollution Treatment options.

Graduates of this program are employed in research, commercial, and industrial labs as chemists and analysts; in consulting firms as engineering assistants; in production plants as production supervisor trainees; in technical sales; or in waste disposal and pollution treatment.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.V. IV; Algebra 12 or Math 12 and Chemistry II. Physics II would be an asset.

LENGTH OF PROGRAM: 2 semesters at CNC followed by one year at BCIT. Semester 1 is 15 weeks and semester 2 is 20 weeks.

THE PROGRAM:

SEMESTER 1

Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Chemistry I	TCHM 181-3
Technology Engineering Materials I	TMAT 181-2
Technology Environmental Science	TENS 181-3

SEMESTER 2

Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Chemistry II	TCHM 182-3
Technology Drafting I	TDRF 186-2
Technology Laboratory Workshop	TWOR 182-1
Technology Chemistry Techniques	TECH 182-3
Technology Engineering Materials II	TMAT 182-2

COACHING SCIENCE — Certificate

The purposes of this program are to familiarize and expand the coach's knowledge in the sport science, and to improve theoretical knowledge and practical coaching ability in sport.

Upon completion of the program, the student will receive a College Certificate and the National Coaching Certification Program Level II Certification via the Ministry of Recreation and Conservation of the Government of British Columbia.

ADMISSION REQUIREMENTS: This program requires no special educational standing as a prerequisite. However, applicants must be a minimum of 17 years of age.

LENGTH OF PROGRAM: Flexible.

COMMENCEMENT DATES: Various (check with Registrar's Office).

FEES: See page 8.

THE PROGRAM:

COURSES - THEORY

The Physiological Basis of Sport	COCH 151-2
NCCP Level I Theory	COCH 153-1
Principles of Coaching	COCH 154-2
Psychology of Coaching	COCH 251-2
Sport Medicine	COCH 256-2
NCCP Level II Theory	COCH 258-2

The Theory Courses are applicable to coaches of a variety of sports and presented in a manner as to be relative to coaches involved in both the community and institutional sport scene.

COURSES - TECHNICAL

Normally the coach would select one sport. A list of sports which have nationally approved Coaching Association of Canada technical programs is available in the Physical Education Office.

(Activity) Level I Technical	COCH 170-1
(Activity) Level II Technical	COCH 270-1

The technical courses relate the methods for teaching and learning of physical skills and strategies of the particular sport. They also specifically apply the general coaching principles in the theory component. The technical courses will be conducted by the Provincial Sport Governing Bodies or by the College of New Caledonia.

COURSES - PRACTICAL

The practical component is coaching fieldwork. The student coach will work with an experienced coach. The individual sports governing bodies will be consulted regarding the placement. This experience will be co-ordinated by and under the guidance of the College.

Coaching Fieldwork I	COCH 199-3
Coaching Fieldwork II	COCH 299-3

COMMERCE

The College offers the first two years of a University Transfer Commerce program leading to a Bachelor of Commerce degree. (UBC)

ADMISSION REQUIREMENTS: See page 4.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: See page 8.

THE PROGRAM

SEMESTER 1

Principles of Economics - Microeconomics	ECON 202-3
Computing Science I	MATH 109-3

Plus:
One of ENGL 101-3, 102-3 or 103-3
One of MATH 101-3 or 103-3
Any Arts and Science elective

SEMESTER 2

Principles of Economics - Macroeconomics	ECON 201-3

Plus:
One of ENGL 101-3, 102-3, 05 103-3 or
One of MATH 102-3 or 104-3
Any 2 Arts and Science electives

FIRST YEAR COMMERCE

SEMESTER 3

Quantitative Analysis I	COM 110-3
Accounting	COM 201-3
Business Statistics I	COM 207-3

Plus:
Any 2 Arts and Science electives. See note below.

SEMESTER 4

Organizational Behaviour	COM 120-3
Financial Accounting	COM 202-3
Business Statistics II	COM 208-3

Plus:
Any 2 arts and Science electives.

NOTE: All Commerce students should consult a counsellor when selecting courses, as several options are possible throughout and course selection is very important. Students taking Math 103-104 should consult a counsellor about required second year Math courses.

CONSTRUCTION TECHNOLOGY — Diploma

The two-year Construction Technology Program at the College of New Caledonia is designed to prepare the graduate to enter the construction business as a timekeeper, layout man, apprentice tradesman, materials technician, salesperson, junior designer, expeditor, engineering technician, draftsman or estimator.

Promotion to supervisory position will require considerable work experience and demonstrated capability with an employer, but a number of graduates hold positions such as estimator, construction forman, operations manager, and project supervisor. Employment possibilities are quite varied in several fields and include self- employment, engineering assistant, carpenter, chargehand, survey technician, chainman and rodman (surveying) and timekeeper/cost controller.

The course of study includes: construction materials (soils, wood, concrete, steel, plastics), drafting and blueprint reading, surveying, estimating, construction law, management operations, construction equipment and road and excavation. Students participate also in a small building project, and the relevant building codes and regulations will be covered throughout the course. Important mathematics and communications course work is covered in the first year.

While the program has strong theoretical components, practical applications, laboratory exercises and field experience are stressed also to prepare the graduate for employment. Students will for instance carry our surveying assignments, prepare basic drafting, and cost out actual projects. Guest lectures and several faculty are drawn from the community to provide expertise in such fields as, building services, strength and design and management operations.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV.

ALSO RECOMMENDED: Algebra 11, Algebra 12, Trades Math 11, Trades Math 12, Const. Technology, Physics, Drafting.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: See page 8.

THE PROGRAM

SEMESTER 1	
Introduction to the Construction Industry	CONS 150-2
Materials and Applications I	CONS 151-3
Drafting Fundamentals	DRAF 153-3
Effective Communication I	ENGL 151-3
Basic Mathematics	MATH 150-3
Surveying I	SURV 151-3
Basic Carpentry	CONS 156-3
SEMESTER 2	
Drafting and Interpretation	DRAF 154-3
Materials and Applications II	CONS 152-3
Construction Science I	CONS 161-3
Effective Communication II	ENGL 152-3
Surveying II	SURV 152-3
Technical Mathematics	MATH 151-3
Plumbing, Electrical and Interior Finish	CONS 153-3
SEMESTER 3	
Summer Essay	CONS 290-1
Construction Strength and Design I	CONS 271-3
Estimating and Bidding I	CONS 261-3
Construction Science II	CONS 263-3
Construction and Law	CONS 265-3
Roads and Excavations	CONS 266-3
Construction Project I	CONS 291-2
Plus one elective from:	
Industrial Relations	BUS 277-3
Data Processing Fundamentals	EDP 151-3
Human Relations	BUS 268-3
Or any other suitable elective from the Business Program	
SEMESTER 4	
Estimating and Bidding II	CONS 262-3
Project Operations	CONS 282-3
Management Operations	CONS 274-3
Building Services	CONS 284-3
Construction Equipment	CONS 283-3
Construction Project II	CONS 292-2
Plus one elective from:	
Construction Strength and Design II	CONS 281-3
Organizational Behavior	BUS 274-3
Computer Programming I	EDP 152-3
Or any other suitable elective from the Business Program.	

DENTAL ASSISTING — Certificate

The dental assisting program provides the theory and skills necessary for the graduate to function as a chairside assistant in a private practice, group practice, dental clinic, public health and related services.

Graduates are eligible to write the provincial certification examination administered by the College of Dental Surgeons of B.C.

Restorative dental work must be completed or in the process of completion and a medical examination report and dental report must be submitted before final acceptance into the program. A chest x-ray and immunization will be required following final acceptance.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Biology 11 or Biology 040, Chemistry 11 or Chemistry 040 preferred. Applicants are reminded that due to the high academic requirements and large number of applicants to the Dental Assisting program, students with better than average high school grades will receive admission priority.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATES: September. Application deadline May 1.

FEES: Tuition - $150.00
Student Association - $25.00
Registration fee - $1.00

EXPENSES: Textbooks, etc. - $300.00

DRAFTING Certificate

The purpose of this program is to prepare persons for employment with companies engaged in architectural, structural, civil or mechanical drafting.

The students are taught basic drafting techniques, applied mathematics and technology, machine, civil, and architectural-structural drafting.

The draftsperson is the link between the engineer or designer, who works out ideas, and the construction trades which do the fabricating or building. When preliminary plans are approved they are passed to the draftsperson for development of working drawings.

Graduates of this course normally commence employment at a junior level. On the job experience will eventually lead to more responsible work, and the extensive technical knowledge gained in drafting may, with additional training, lead to positions in engineering, designing, sales or administration.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Drafting 11 or equivalent preferred. Applicants must have good eyesight and hand-eye coordination, an analytical mind, creative ability and patience to give undivided attention to detail.

LENGTH OF PROGRAM: 9 months.

COMMENCEMENT DATE: September.

FEES: Tuition - $135.00
Student Association - $22.50
Registration - $1.00

EARLY CHILDHOOD EDUCATION Certificate

The need for qualified adults to work with young children has increased significantly in the past few years. The changing role of women, the growing number of single parent families and the economic pressures of our society have created a need for quality daycare for young children. Moreover recent research in developmental psychology has led to a greater awareness of the significance of the first five years of life. Much of a person's personality development and learning occur before age five. The experiences young children have in and out of the home during these early, formative years can have a profound effect on their development.

The Early Childhood Education program is designed to train men and women to be skilled, sensitive teachers of young children in Day Care Centres, Nursery Schools and private kindergartens.

In order to teach in these facilities in B.C., individuals must be registered with the Community Care Facilities Licensing board of British Columbia. Upon successful completion of the E.C.E. program and 500 hours of post-graduation work experience, students are eligible for registration.

The College of New Caledonia offers a series of advanced level courses on a part-time basis. These courses are designed to expand the knowledge and teaching skills of qualified Preschool teachers.

Theory and practice are closely related throughout the program. Students are assigned to observe and/or participate in preschool centres throughout the full training periods. The month of training is an intensive full-time practicum experience.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV. Applicants should have a stable, cheerful personality as well as the ability to establish supportive relationships with children and adults. Applicants should be able to work in an emotionally, physically and intellectually demanding environment. A medical examination including T.B. test and up to date immunization is required. Applicants must send in two letters of reference from non-relatives. All volunteer work, employment, previous coursework and other relevant experience should be noted on application. Priority is given to early applicants and to those with demonstrated interest. Interviews may be required.

NOTE: It is strongly recommended that interested persons acquire some experience in working with young children or working in a related, people-orientated field.

LENGTH OF PROGRAM: 9 months (under review)

COMMENCEMENT DATE: September.

FEES: Tuition - $135.00
Student Association - $22.50
Registration - $1.00

THE PROGRAM

SEMESTER I	
Child Growth & Development	ECE 151
Philosophy of ECE	ECE 154
Program Development	ECE 165
Seminar in ECE	ECE 160
Observing and Recording Behaviour	ECE 170
Practicum	ECE 190
Effective Communications	ENG 151-3
Introduction to Psychology	PSYC 101-3
SEMESTER II	
Philosophy of ECE	ECE 155
Program Development	ECE 166
Seminar in ECE	ECE 161
Human Relations in Early Childhood Settings	ECE 176
The Child in Society	ECE 153
Interacting with Families	ECE 174
Practicum	ECE 199
Introduction to Psychology	PSYC 102-3
Health, Safety & Nutrition in the Preschool	ECE 172
Advanced Courses	
Administration of Early Childhood Programs	ECE 251
Administration of Early Childhood Programs	ECE 252

ELECTRICAL APPRENTICE PROGRAM

An Electrical Apprenticeship Program is offered through CNC as a "Designated Trade" sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour.

ADMISSION REQUIREMENTS: to enter this program the participant must already be an indentured apprentice. (Contact Ministry of Labour Apprenticeship Training Branch)

LENGTH OF PROGRAM: 8 week sessions.

FEES: Tuition paid by Ministry of Labour.

REGISTRATION - $1.00

ELECTRICAL-ELECTRONICS TECHNOLOGY

Diploma

Students in the Electrical-Electronics Technology program will, after successfully completing their first year at C.N.C., transfer to B.C.I.T. for their second year in the Control Electronics, Instrumentation, Power, or Telecommunications options.

Graduates from Electrical-Electronics Technology find employment in utilities, government agencies, and electronics companies. Graduates can work in any sector from research to maintenance.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D. IV; Algebra 12 or Math 12, Physics 11 and Chemistry 11 with C+ standing or better.

LENGTH OF PROGRAM: 2 semesters at C.N.C. followed by one year at B.C.I.T. Semester 1 is 15 weeks and semester 2 is 20 weeks.

THE PROGRAM:

SEMESTER 1	
Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Engineering Materials I	TMAT 181-2
Technology Circuit Analysis I	TELE 183-3
Technology Shop Practice I	TELE 181-2
SEMESTER 2	
Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Circuit Analysis II	TELE 184-3
Technology Electronic Circuits	TELE 188-3
Technology Shop Practice II	TELE 182-2
Technology Electrical Measurements	TMES 186-2

FINE ARTS

Diploma

The Fine Arts Diploma program is designed to provide the student with comprehensive instruction in the major areas of art. The program's combination of required and elective courses enable the student both to master a core of knowledge and skills and to pursue areas of personal or special interest.

Students may enroll in the Fine Arts Diploma Program on a full-time or a part-time basis. However, it is recommended that, in order to maintain continuity of the learning process, students should enroll in Fine Arts courses on a regular basis.

The order in which the student should take specific courses in the program may be governed by the prerequisite requirements specified in the course descriptions. The Fine Arts Diploma requires a total of 60 credit hours.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV

LENGTH OF PROGRAM: 4 Semesters.

COMMENCEMENT DATE: September. Depending on qualifications, some students may enter the Program in January.

FEES: See page 8.

REQUIRED COURSES

	Credit Hours
Art 101-3 Design Fundamentals I	3
Art 102-3 Design Fundamentals II	3
Art 103-3 History of Art I	3
Art 104-3 History of Art II	3
Art 165-3 Drawing I	3
Art 166-3 Drawing II	3
Art 265-3 Drawing III	3
Art 266-3 Drawing IV	3
Twelve Credit Hours in one of Printmaking, Sculpture, Textiles, Painting or Ceramics. Six of these credit hours should be at a first year level and six at a second year level.	12
Six Credit Hours from approved courses offered by the Liberal Arts and Social Sciences or Natural Sciences Division.	6
Fine Arts Electives	18
TOTAL	60

A maximum of 6 additional hours of electives chosen from the Liberal Arts and Social Science or Natural Science Divisions may be substituted for 6 of the 18 hours of Fine Arts Electives noted above.

Students enrolled in the CNC Fine Arts Program prior to September 1980 may continue in the program in which they originally enrolled.

*Courses in this program are offered subject to demand and availability of resources. Should one of these courses listed above not be offered during a student's period of attendance at the College, then additional electives from the list of Art Courses may be substituted.

FITTER FABRICATOR (Proposed)

This course is designed to help fulfill the urgent need for individuals to enter into the Fitter/Fabricator shops.

NOTE: For further information regarding fees, length of program, commencement dates, etc. contact Student Services.

FOREST RESOURCE TECHNOLOGY Diploma

The Forest Resource Technology is divided into two options, Forestry and Harvesting. The emphasis of the Forestry option is forest management, whereas the emphasis of the Forestry option is forest management, whereas the emphasis of the Harvesting option is log manufacturing and transport to the manufacturing plants. The first year is common to both options. Upon completing first year, students must decide in which option they wish to enroll in second year.

Students seeking careers in either Forest Technology option should realize that the work is primarily out-of-doors most of the year and that all conditions of weather will be encountered.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV, Math 11 or Algebra 11.

ALSO RECOMMENDED COURSES: Math 12, Algebra 12, Biology 11, Biology 12, Forestry 11, Chemistry 11, Physics 11, Drafting 11. Students without Math 12 may be required to complete a remedial math program in their first 2 semesters

NOTE: Mature students who have not completed Grade 12 but who have 2 or more years in a Forestry occupation may be admitted and are encouraged to apply.

LENGTH OF PROGRAM: 64 weeks over four semesters. This total includes an 8 day Fall Orientation, a 5 day Field Trip, and a 5 day Field School.

COMMENCEMENT DATES: First Year: August 31, 1981
Second Year: August 31 1981.

FEES: See page 8.

THE PROGRAM

Common First Year for Forestry and Harvesting Options.

SEMESTER 1	
Forestry Orientation	FOR 150-3
Forest Science I	FOR 155-3
Forest Soils and Ecology	FOR 157-3
Forest Measurements I	FOR 161-3
Fire Control I	FOR 165-3
Photogrammetry	FOR 171-3
Forest Drafting I	FOR 173-2
Effective Communication I	ENGL 151-3
Basic Mathematics	MATH 150-3
Industrial Psychology and Human Relations I	PSYC 157-1
SEMESTER 2	
Forest Products and Wood Technology	FOR 154-3
Forest Science II	FOR 156-3
Forest Measurements II	FOR 162-3
Fire Control II	FOR 166-3
Photo Interpretation	FOR 172-3
Forest Drafting II	FOR 174-2
Field School	FOR 199-3
Effective Communication II	ENGL 152-3
Technical Mathematics	MATH 151-3
*Industrial Psychology and Human Relation II	PSYC 158-1

*May be run concurrently with PSYC 157-1

FORESTRY OPTION

The management of the forest resource requires highly qualified technologists for both private and public sectors, requiring basic skills and theory in ecology, reforestration, forest economics, protection from pests, forest surveying, and engineering. Land management for the best use of all the resources is stressed in the program.

Specific job opportunities for graduates of this option in the forest industry include timber appraisers, road foremen, forest engineering technicians, silvicultural technicians, and research assistants. Positions in the Ministry of Forests include assistant rangers, silvicultural technicians, nursery technicians, and fire protection officers.

Persons employed in silvicultural fields derive great job satisfaction from the creative aspects of their work. The intensive forestry program in B C. is providing many new opportunities for technologists.

SECOND YEAR FORESTRY OPTION	
SEMESTER 3	
Forest Management I	FOR 251-3
Silviculture I	FOR 253-3
Forest Entomology	FOR 255-3
Applied Sampling - Special Field Project	FOR 291-1
Applied Sampling - Compilations	FOR 261-3
Human and Public Relations in Forestry	FOR 267-1
Summer Technical Report	FOR 290-1
Forest Finance I	FOR 281-3
Roads and Transportation I	FOR 285-3
Logging I	FOR 287-3
SEMESTER 4	
Forest Management II	FOR 252-3
Silviculture II	FOR 254-3
Forest Pathology	FOR 256-3
Interior Log Scaling	FOR 262-3
Industrial Relations in Forestry	FOR 268-1
Forest Finance II	FOR 282-3
Roads and Transportation II	FOR 286-3
Logging II	FOR 288-3
Spring Field School	FOR 299-3

NOTE: Students are responsible for the examination fees associated with the B.C. Interior Log Scaler's Licence and Pesticide Applicator's Certificate in the 4th Semester ($25 and $10 in 1980, respectively).

HARVESTING OPTION

The Harvesting option provides Harvesting Technologists with enriched technical training in the logging phase of forest operations. It emphasizes specific skills in log manufacturing and hauling, machinery management, personnel and industrial relations, cost accounting, and forest finance. Approximately one third of the course time will be spent on logging procedures and equipment operation.

Employment opportunities for graduates are basically with forest products companies or logging contractors. Generally, positions in logging production command higher salaries than other fields of forestry.

Specific jobs for graduates are road foreman, logging foreman, forest engineering technician, logging research technicians, and various positions in the Engineering Division of the Ministry of Forests.

continued

SECOND YEAR HARVESTING OPTION

SEMESTER 3

Silviculture I	FOR 253-3
Applied Sampling - Special Field Project	FOR 291-1
Applied Sampling - Compilations	FOR 261-3
Forest Finance I	FOR 281-3
Roads and Transportation I	FOR 285-3
Logging I	FOR 287-3
Harvesting Management I	FOR 271-3
Industrial Management I	FOR 283-3
Summer Technical Report	FOR 290-1

SEMESTER 4

Interior Log Scaling	FOR 262-3
Forest Finance II	FOR 282-3
Roads and Transportation II	FOR 286-3
Harvesting Management II	FOR 272-3
Industrial Management II	FOR 284-3
Harvesting Methods	FOR 279-6
Spring Field School	FOR 299-3

GENERAL STUDIES — Diploma

Students may design a unique General Studies program and obtain a College diploma upon completion of the required number of credits. Students requiring further information concerning a General Studies Diploma program are asked to consult with CNC counsellor prior to enrollment.

HEAVY DUTY MECHANICS — Certificate

A pre-apprentice course in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Ministry of Labour.

This program is intended to prepare students for employment as apprentices in the Heavy Duty Mechanics trade.

The training covers repair and maintenance on heavy equipment of both the wheeled and track variety and large trucks.

ADMISSION REQUIREMENTS: Grade 10, BTSD III, 16 years of age or older, in good health, non-allergenic to solvents or lubricants and have good mechanical aptitude.

LENGTH OF PROGRAM: 14 weeks.

COMMENCEMENT DATES: March, July, November.

FEES: Tuition paid by Ministry of Labour
Student Association - $15.00
Registration - $1.00

THE PROGRAM:

- Fundamentals of gas and diesel engines
- Fuel systems
- Lubrication systems
- Cooling systems
- Electrical systems
- Brake systems
- Clutches
- Transmission and drive mechanisms
- Running gear
- Engine disassembly and inspection
- Overhaul procedures
- Rebuilding of machinery components.

HEAVY DUTY MECHANICS - Apprenticeship

An Apprenticeship course sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour.

ADMISSION REQUIREMENTS: To enter this program applicant must be an indentured apprentice. (Contact Ministry of Labour Apprenticeship Training Branch)

Length of Program: 5 weeks

Fees: Tuition Paid by Ministry of Labour
REGISTRATION: $1.00

HEAVY EQUIPMENT OPERATOR — Certificate

HEO is now offered as separate courses on the following equipment.

Crawler	8 weeks
Grader	8 weeks
Loader	6 weeks
Backhoe	5 weeks
Dump Truck	4 weeks

The program length is not definite as the student may complete prior to the suggested length, or may be allowed additional time if necessary to acquire the skills competently.

Job opportunities exist in road or building construction, logging, mining or other industries utilizing heavy equipment.

The course intake is continuous and selection is made from a wait list.

ADMISSION REQUIREMENTS: 16 years of age or older, good health, valid drivers licence, students must supply clothing suitable for the weather conditions and steel-toed safety boots.

LONG TERM CARE - AIDE

The program is designed to prepare an Aide (Long Term Care), who will be able to assist in providing care for individuals in extended and intermediate care facilities. Graduates of this program will be prepared to work in nursing homes and extended care units in hospitals under the direction of a registered nurse.

The program is based on the "Specifications of Competencies for Aide (Long Term Care)" Ministry of Education Clinical practice will be provided in the college nursing lab and on extended and intermediate care units of health care facilities.

ADMISSION REQUIREMENTS:

1. Grade 10 preferred, and Grade 8 reading level required. Testing for reading level will be arranged through the college.
2. Interviews.
3. Medical Examination Report must be submitted prior to final acceptance.
4. Immunization: successful applicants will be advised of the required immunization.

COMMENCEMENT DATE: September

FEES: Tuition - $60.00
Student Association - $10.00
Registration - $1.00

EXPENSES (estimated only):
Uniforms - $75.00
Textbooks - $75.00

NOTE: The offering of this program is subject to Ministry of Education approval. Please contact a CNC counsellor for details.

MEDICAL LABORATORY TECHNOLOGY

Diploma

Students in the Medical Laboratory Technology program will, after successfully completing their year at CNC, transfer to BCIT or Cariboo Community College for their second year. A third year must be spent in training in a medical laboratory approved by the Canadian Medical Association and the Canadian Society of Laboratory Technologists. At the end of this year, the student is eligible to sit the Canadian Society of Laboratory Technologists examination which leads them to becoming a Registered Technologist, the recognized qualification.

Successful graduates of the Medical Laboratory Technology program will have a large variety of positions available to them in research laboratories, clinical laboratories, hospitals, and government agencies.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D IV, Algebra 12 or Math. 12 or equivalent, Chemistry 11, Biology 11. Students with Chemistry 12, Biology 12 and Physics 11 will be given admission priority. Color blindness precludes entry. Interviews may be required. In 1983 Physics 11 and Chemistry 12 will be an admission requirement.

LENGTH OF PROGRAM: 2 semesters at CNC then transfer to BCIT or Cariboo College to complete the program.

COMMENCEMENT DATE: September.

FEES: See Page 8.

THE PROGRAM

SEMESTER 1	
Effective Communication I	ENGL 151-3, 101-3, 102-3 or 103-3
Medical Lab Technology Mathematics I	MATH 161-3
Introduction to Chemistry I	CHEM 181-3
General Physics I	PHYS 105-3
Human Anatomy and Physiology I	BIO 121-3
Medical Laboratory Orientation I	MLT 151-3
SEMESTER 2	
Effective Communication II	ENGL 152-3, 101-3, 102-3 or 103-3 (If credit has already been granted for one of 101-3, 102-3, or 103-3 then option is limited to the remaining two courses.)
Medical Lab Technology Mathematics II	MATH 162-3
Chemistry for Medical Lab Technologists	CHEM 154-3
General Physics II	PHYS 106-3
Human Anatomy and Physiology II	BIO 122-3
Medical Laboratory Orientation II	MLT 152-3
Fundamentals of Immunology	BIO 123-3

The curriculum for this program is under review. Consult Student Services for changes.

MILLWRIGHT - Pre-Apprentice

Certificate

A Pre-Apprentice course in a Designated Trade sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour. This course is designed to prepare students for employment as apprentices in the Millwright Trade. Millwrights are skilled in the installation, repair and maintenance of industrial machinery such as conveyors, pumps, compressors, cranes, paper-making machines and similar industrial equipment. The principal fields of employment include pulp and paper mills, saw-mills and related wood products factories, mines, iron, steel and aluminum plants, refineries and chemical plants, and smaller manufacturing plants.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Minimum education level: a suitable level to meet the requirements of this occupation. Applicants must be 16 years of age or over and be in good health with a mechanical aptitude.

LENGTH OF PROGRAM: 6 months.

COMMENCEMENT DATES: April and September.

FEES: Tuition paid by Ministry of Labour
Students Association - $15.00
Registration - $1.00

THE PROGRAM

Blueprint reading and sketching
Basic oxy-acetylene and arc welding
Ladders and scaffolding
Hand and power tools of the trade
Benchwork
Lubrication techniques
Applied electricity
Applied mathematics
Safety education

MILLWRIGHT - Apprentice Program

A Millwright Apprentice program is offered through CNC as a Designated Trade sponsored by the Apprenticeship and Industrial Training Branch, Ministry of Labour.

ADMISSION REQUIREMENTS: To enter this program an applicant must be an indentured apprentice. (Contact the Ministry of Labour, Apprenticeship Training Branch.)

LENGTH OF PROGRAM: 5 Weeks.

FEES: Tuition paid by the Ministry of Labour.
Registration - $1.00

MINING TECHNOLOGY Diploma

Students in the Mining Technology program will, after successfully completing their first year at C.N.C., transfer to B.C.I.T. for their second year.

Mining graduates enter the mining industry in all facets from exploration to milling. Willingness to travel and work in remote areas greatly enhances employment prospects. Good health is required for a career in mines.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D. IV with Algebra 12 or Math 12, Physics 11 and Chemistry 11.

LENGTH OF PROGRAM: 2 semesters at C.N.C., followed by one year at B.C.I.T. Semester 1 is 15 weeks and semester 2 is 20 weeks.

THE PROGRAM:

SEMESTER 1	
Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Chemistry I	TCHM 181-3
Technology Geology I	TGEO 183-2
Technology Mining I	TGEO 181-2
SEMESTER 2	
Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Chemistry II	TCHM 182-3
Technology Drafting I	TDRF 186-2
Survey Introduction (Mining) I	TSRY 182-2
Technology Geology II	TGEO 184-2
Technology Mining II	TGEO 182-2

NATURAL GAS & PETROLEUM TECHNOLOGY Diploma

Students in the Natural Gas and Petroleum Technology program will, after successfully completing their first year at C.N.C., transfer to B.C.I.T. for their second year.

Graduates of this program will find job opportunities in transmission and refining of gas and petroleum products. Persons seeking employment in the transmission sector should be prepared to work in remote areas.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D. IV including Algebra 12 or Math. 12 and Physics 11 or Chemistry 11. Both sciences would be an asset.

LENGTH OF PROGRAM: 2 semesters at C.N.C. followed by one year at B.C.I.T. Semester 1 is 15 weeks and semester 2 is 20 weeks.

THE PROGRAM:

SEMESTER 1	
Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Chemistry I	TCHM 181-3
Technology Engineering Materials I	TMAT 181-2
Technology Geology I	TGEO 183-3
Technology Petroleum Hydrocarbons	TPET 181-3
SEMESTER 2	
Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Chemistry II	TCHM 182-3
Technology Petroleum Geology	TPGE 182-3
Technology Geophysics	TGPY 182-3
Technology Operations Management	TMAN 182-2
Technology Machine Tools	TOLO 182-2

NURSING

The program is designed to offer the students career mobility in nursing. Students with no previous nursing education are admitted to a common curriculum for the first year. The program allows students to exit as practical nurses or continue and complete the requirements preparatory to nurse registration.

Those who complete the requirements for practical nursing (certificate) are able to function within the health care system under the supervision of health personnel. The nurse will be able to provide care for an individual of any age who is not critically ill. With orientation the nurse will be able to provide care in general medical-surgical, paediatric, post-partum, and normal newborn nursery areas.

Those who complete the requirements for general nursing (diploma) will be able to provide comprehensive nursing care to any individual already within the health care system. The nurse will be able to provide care in general medical-surgical, paediatric, post-partum, normal newborn nursery, and psychiatric areas. The nurse will have the potential to function in intensive or critical care areas following additional experience, ongoing education, and supervision.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV; Biology 11 or Biology 040 and Chemistry 11 or Chemistry 040.

Priority will be given to students based on their academic grades. Personal interviews may be required. A medical examination report must be submitted before final acceptance into the program. A chest x-ray and immunization will be required following final acceptance. The health status of the applicant is considered when selecting students for admission.

NOTE: Students entering the Nursing Program will write an English Proficiency test. Those whose level indicates they require college level English instruction will enroll in English 151-3. All other students will enroll in the following two components of English 151-3:

a) Library Orientation
b) Letters of Application and Resume Writing

LENGTH OF PROGRAM:

Practical Nursing Option - 12 months over 13½ months.
General Nursing Option - 22 months over 2½ years.

COMMENCEMENT DATE: September

FEES: See Page 8.

THE PROGRAM

COMMON COURSES

SEMESTER I (September 8 - December 18) - 15 weeks	
Orientation to Nursing	NURS 150-1
Human Anatomy and Physiology I	BIO 111-3
Health - Its Maintenance and Promotion	NURS 151-8
Psychology for Nursing I	PSYC 161-3
Effective Communication I	ENGL 151-3
SEMESTER II (January 4 - April 23) - 16 weeks	
Human Anatomy and Physiology	BIO 112-3
The Adult with Common Interferences	NURS-152-12
Nursing - Past and Present	NURS 160-1
Psychology for Nursing II	PSYC 162-3

DIPLOMA NURSING OPTION

INTERSESSION I (May 4 - June 6)	
Adult with Common Interferences (Continued)	NURS 152-12
Work Session (June or July)	NURS 199-1

SEMESTER III - (August 31 - December 18)

The Expanding Family	NURS 261-8
The Child in Health and Illness	NURS 263-8
Moral Philosophy	PHIL 101-3

SEMESTER IV — (January 4 - April 23)

The Professional Nurse	NURS 250-2
The Individual Experiencing Psychosocial Interferences	NURS 262-8
The Adult with Critical Interferences	NURS 264-8

INTERSESSION II - (May 3 - May 28)

The Individual Requiring Long Term Care	NURS 291-5

SEMESTER V - (August 31 - December 11)

The Nurse - A Health Team Member	NURS 299-15

PRACTICAL NURSING OPTION — **Certificate**

INTERSESSION I - (May 3 - June 25)

Adult with Common Interferences (continued)	NURS 152.12
The Expanding Family	NURS 165-5

SEMESTER III - (August 23 - October 15)

The Child in Health and Illness	NURS 163-5
The Practical Nurse - A Member of the Health Team	NURS 198-2

NURSING (Access Program) — Diploma

The program is designed to access Licensed Practical Nurses into the General Nursing Option. Access students must first complete make-up courses before entering into the second year of the General Nursing Option.

GENERAL REQUIREMENTS: Grade 12, GED or BTSD IV; Biology 11 and Chemistry 11. General academic standing will be considered when selecting students for admission. Applicants must be currently licensed as a practical nurse in the Povince of British Columbia and have completed a practical nursing program within the last two years or have been employed 1 year full time or equivalent as a practical nurse in a setting requiring basic nursing skills. Letter of reference from most recent employer verifying employment will be required. A medical examination report must be submitted before final acceptance into the program. A chest x-ray and up-to-date immunization is required following final acceptance. A personal interview may be required.

NOTE: Students entering the Nursing Program will write an English Proficiency test. Those whose level indicates they require college level English instruction will enroll in English 151-3. All other students will enroll in the following two components of English 151-3.

a) Library Orientation
b) Letters of Application and Resume Writing

COMMENCEMENT DATE: January.

THE PROGRAM

SEMESTER I - (January 4 - April 23)

The Adult Experiencing Common Interferences (Access)	NURS 153-7
Nursing - Past and Present	NURS 160-1
Human Physiology	BIO 114-3
Psychology for Nursing I	PSYC 161-3
Psychology for Nursing II	PSYC 162-3

INTERSESSION - (May 3 - June 25)

The Expanding Family (Access)	NURS 265-4
The Child in Health and Illness (Access)	NURS 267-4
The Professional Nurse (Access)	NURS 200-1

SEMESTER II - (August 30 - December 18)

The Individual Experiencing Psychosocial Interferences	NURS 262-8
The Adult with Critical Interferences	NURS 264-8
Moral Philosophy	PHIL 101-3

SEMESTER III — (January 4 - April 23)

The Individual Requiring Long Term Care (January)	NURS 291-5
The Nurse - A Health Team Member (February-March)	NURS 299-15
Effective Communication I (January-April)	ENGL 151-3

REFRESHER COURSE FOR NURSES

The purposes of this course are to prepare nurses to return to active practice after a lengthy absence from the profession and to provide a re-orientation to general medical-surgical nursing.

Clinical practice initially will be scheduled in the nursing lab at the College. Clinical experience will be on medical-surgical, intermediate and extended care units in hospitals within the College region.

The course is based on the "Competencies Required and Recommended for Registration of Re-entering Nurses" (RNABC, March 1977)

ADMISSION REQUIREMENTS:

1. Graduate of an approved diploma or degree nursing program.
2. Medical examination report
3. Interview may be required

LENGTH OF PROGRAM: 10 weeks

COMMENCEMENT DATE (proposed): October.

FEES: Tuition - $45.00
Students Association - $7.50
Registration - 1.00

EXPENSES (Estimated only):
Uniforms $75.00
Textbooks - 75.00

NOTE: The offering of this program is subject to Ministry of Education approval. Please contact a CNC counsellor for details.

PHYSICAL EDUCATION

The College of New Caledonia provides a two-year university transfer program that prepares students for entry into the following degree programs:

UNIVERSITY OF BRITISH COLUMBIA
Bachelor of Physical Education
Bachelor of Education - Secondary Division (P.E. Major)
Bachelor of Education - Elementary Division (P.D. Major)
Bachelor of Recreation Education (partial program)

UNIVERSITY OF VICTORIA
Bachelor of Science - Human Performance Major
Bachelor of Arts - Human Performance Major
Bachelor of Arts - Leisure Studies Major

ADMISSION REQUIREMENTS: See page 4.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September.

FEES: See page 8.

THE PROGRAM

SEMESTER 1

An Introduction to the Study of Sport	PE 121-3
Biodynamics of Physical Activity	PE 123-3
Scientific Basis of Athletic Conditioning	PE 103-3
Two of Biology, Chemistry, Math, Physics or Psychology (see note)	
English	

SEMESTER 2

Dynamics of Motor Skill Acquisition	PE 124-3
Two PE Activity courses	
Two of Biology, Chemistry, Math, Physics or Psychology (see note)	
English	

continued

SEMESTER III

Human Functional Anatomy and Applied Physiology I	PE 202-1
Three PE Activity courses	
Two Arts and Science Electives	
English at 200 Level	

SEMESTER IV

Human Functional Anatomy and Applied Physiology II	PE 204-3
Sport in Canadian Society	PE 222-3
One PE Activity course	
Two Arts and Science Electives	
English at the 200 Level	

NOTE: Students who wish to transfer into the Bachelor of Arts Degree in Human Performance at the University of Victoria should register in Soc 101-3 and 102-3 and Psyc 101-3 and 102-3.

POWER ENGINEERING - 4th Class Certificate

A program intended to prepare persons for a career in power plant operation and maintenance. This course includes maintenance of powerhouse equipment, instrumentation, electricity, engineering sciences and water conditioning. While emphasis will be upon the practical application of the basic principles, sufficient theory will be covered to prepare students to write the Fourth Class Power Engineer's Examinations.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV preferred. Related experience in industry will be considered in lieu of formal education. Recommended secondary courses include: Math 11, Physics, Drafting and Chemistry.

Applicants should have a good command of communicative English, written and oral; good health, eyesight and hearing; good mechanical aptitude.

LENGTH OF PROGRAM: 10 months.

COMMENCEMENT DATE: September.

FEES: Tuition - $150.00
Student Association - $25.00
Registration - $1.00

THE PROGRAM

- Mathematics and Applied Science
- Instrumentation
- Workshop
- Sketching and blueprint reading
- Steamplant training
- Boiler operation
- Electricity
- Report writing

POWER ENGINEERING UPGRADE

Correspondence courses in all levels of Power Engineering are available from CNC. They include marked assignments and providing on site tutorial sessions on a full-time day or part-time evening schedule.

Inquiries should be directed to the Registrar's Office.

LENGTH OF PROGRAM: Variable

COMMENCEMENT DATE: Continuous Intake (1981)

FEES:	4th Class	3rd Class	2nd Class	1st Class
Tuition	$25.00	$40.00	$60.00	$90.00
Student Association				
Registration	1.00	1.00	1.00	1.00

PRE-ENROLLMENT COUNSELLING:

Due to the complexities of Provincial and Inter-Provincial legislation governing acceptable qualifying time served in industry, prospective students may wish to discuss their acceptability for certification prior to enrollment. The College faculty offer their assistance to students seeking advice regarding the prerequisites for compliance with legislation and mandatory regulations. Contact the CNC Trades Counsellor.

PULP AND PAPER TECHNOLOGY Diploma

Students in the Pulp and Paper Technology program will, after successfully completing their first year at C.N.C., transfer to B.C.I.T. for their second year.

Graduates from the Pulp and Paper Technology enter the Pulp and Paper Industry in roles in technical, engineering, or production departments.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D. with Algebra 12 or Math. 12 and Chemistry 11.

LENGTH OF PROGRAM: 2 semesters at C.N.C., followed by one year at B.C.I.T. Semester 1 is 15 weeks and semester 2 is 20 weeks.

THE PROGRAM:

SEMESTER I

Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Chemistry I	TCHM 181-3
Technology Engineering Materials I	TMAT 181-2
Technology Forest Utilization	TFOR 181-4

SEMESTER II

Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Chemistry II	TCHM 182-3
Technology Drafting I	TDRF 186-2
Technology Pulp and Paper	TPTP 182-4
Technology Engineering Materials II	TMAT 182-2

SURVEY TECHNOLOGY Diploma

Students in the Survey Technology program will, after successfully completing their first year at C.N.C., transfer to B.C.I.T. for their second year in the Survey or Photogrammetry Option.

Graduates find employment with Crown Corporations, utilities, mines, the oil and gas industry, and government agencies. Graduates are granted some concessions towards qualification for membership in the Corporation of Land Surveyors of B.C.

ADMISSION REQUIREMENTS: Grade 12, G.E.D. or B.T.S.D. IV: Algebra 12 or Math 12 and Physics 11.

LENGTH OF PROGRAM: 2 semesters at C.N.C. followed by one year at B.C.I.T. Semester I is 15 weeks and semester II is 20 weeks.

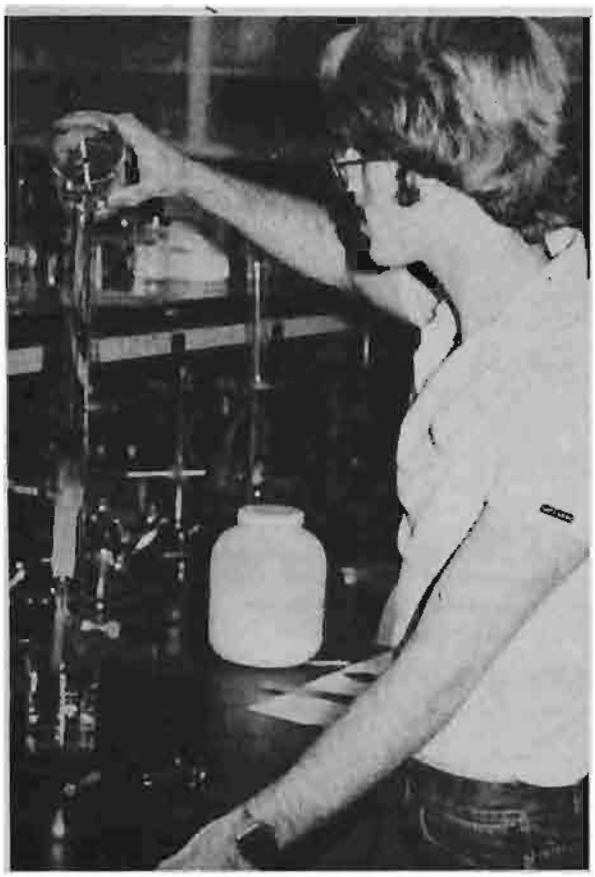
THE PROGRAM:

SEMESTER I

Effective Communications I	ENGL 151-3
Technology Mathematics I	TMTH 181-3
Technology Physics I	TPHY 181-3
Technology Surveying I	TSRV 183-5
Technology Hydrology	TSUR 184-2

SEMESTER II

Effective Communications II	ENGL 152-3
Technology Mathematics II	TMTH 182-3
Technology Physics II	TPHY 182-3
Technology Surveying II	TSRV 186-5
Technology Drafting	TDRF 186-2
Technology Computer Applications	TCOM 186-2



UNIVERSITY TRANSFER PROGRAM

The College of New Caledonia offers a wide variety of courses in the area of Arts and Sciences.

Students may elect a program of studies that will transfer to third year University and will lead to a degree in:

- Agricultural Sciences
- Arts
- Applied Science (Engineering)
- Architecture
- Co-operative Computing, Geography, Chemistry
- Dental Hygiene
- Dentistry
- Education
- Forestry
- Home Economics
- Law
- Librarianship
- Medicine
- Pharmaceutical Sciences
- Physical Education
- Recreation
- Rehabilitation Medicine
- Science
- Social Work

To help students in program planning for University Transfer a transfer equivalency guide appears in this calendar on page

Students are urged to discuss their program with a CNC Counsellor to ensure that the proper courses have been selected to satisfy the requirements of the degree they are seeking.

ADMISSION REQUIRMENTS: See page 4.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATES: September or January.

FEES: See page 8.

WELDING — Certificate

Welding is an industrial art in a highly competitive field and requires a high level of physical co-ordination.

Basic metallurgy, heat treatment, blueprint reading, plate and pipe layout, applied mathematics and principles of safety are taught. Various welding procedures are applied to different types of metal.

A graduate of this program will have gained sufficient practical experience and related theory to take a welding test under the ASME Sec. IX, CSA-W-47, or AWS Codes. These are recognized standards of qualification acceptable to industry.

Employment opportunities occur in practically every mechanical or metal trade. Construction welders find themselves in a variety of working locations while others may remain in industrial centres.

Due to technological developments, welding equipment and techniques are constantly changing; a welder, even though employed, should constantly strive to update his skills.

ADMISSION REQUIREMENTS: Grade 12, GED or BTSD IV; with Industrial and Mechanical courses preferred. Grade 10 or BTSD III minimum. Applicants must have good eyesight (contact lenses may not be worn while electronic welding) and hearing, be free of respiratory ailments, and be physically suited to the trade.

LENGTH OF PROGRAM: Continuous intake. Based on a modular concept designed to allow the student to progress at his/her own rate. Length may vary from 7-10 months.

COURSES

Each course is identified by a four digit number, for example ANTH 101-3. The first three digits identify the courses, last digit (3 above) indicates the numbers of credit hours the course carries.

The number in parenthesis at the end of the description indicates the number of lecture hours and lab or seminar hours per week. Thus (3,2) - 3 hours lecture and 2 hours lab or seminar per week. The letter "L" following the parenthesis indicates a lab fee.

Students may register only in those course for which they have the specific prerequisite.

All students interested in University transfer courses should check the transfer guide to ensure courses they are taking at CNC satisfy the requirements of the institution to which they wish to transfer.

NOTE: Detailed course descriptions, including instructor, method of evaluation, text, and the purpose of the courses are available from the Student Services Office.

The courses listed in this section are not necessarily offered every semester!

ANTHROPOLOGY

ANTH 101-3 Cultural and Social Anthropology

A comparative study of cultural insitutions and cultural behaviour, including such topics as social structure, folklore, language, art, religion, economics, marriage and family, and politics. (3,0)

ANTH 102-3 Evolution of Man and Culture

An introductory survey of physical anthropology and archaeology, including such topics as the origins of man and culture, nature of race, and development of culture. (3,0)

ANTH 103-3 Introduction to the Native Peoples of Canada

This course will provide the student with a general introduction to the Indian and Inuit peoples of Canada. Course content will integrate perspectives from anthropology and history in examining native societies and culture prior to the arrival of Europeans, and in interpreting the effects of colonialism in the post-contact period. Prior experience with introductory anthropology and/or Canadian history should be considered an asset, but not a requirement for students in this course.
Prerequisite: Anth 101 or Instructors Permission. (3,0)

ANTH 151-3 People and Environment in East Africa

This course will look at the cultures of East Africa and their environmental context. A description of a number of cultures in the ethnographic present will be followed by a consideration of change in each culture from the prehistoric past into possible futures. An attempt will be made to interpret these cultures as ecological adaptations to the geographical mosaic of East Africa. (3,0)

ANTH 201-3 Social Structure I - Ethnography

Review of structural functional theory and method. Survey of structural functional ethnographies and the examination of societies of various subsistence bases, geographical milieux, kinship organization, and political structures.
Prerequisites: Anth 101-3, 102-3, or Instructors Permission. (3,0)

ANTH 202-3 Social Structure II - Theory and Method

Examination of major concepts used in structural anthropology (role, social structure, institution, etc.) Use of concepts in comparative work. Examination of research techniques and research problems.
Prerequisite: Anth 201-3 or Instructors Permission. (3,0)

ANTH 291-1 Introduction to Fieldwork in Anthropology I

Introduction to Fieldwork in Anthropology. The student will receive a reading list and be expected to cover relevant theoretical areas. Otherwise instruction will be by lecture and guided practical experience in one of three areas in Anthropology: Archaeology, Paleoanthropology or Ethnology. In some cases the student may crossover the three areas.
Prerequisites: Anth 101-3, Anth 102-3 or instructor's permission.

ANTH 292-2 Introduction to Fieldwork in Anthropology II

The student will receive a reading list and be expected to cover relevant theoretical areas. Otherwise instruction will be by lecture and guided practical experience in one of three areas in Anthropology: Archaeology, Paleoanthropology or Ethnology. In some cases the student may crossover the three areas.
Prerequisites: Anth 101-3, Anth 102-3 or instructor's permission.

ANTH 293-3 Introduction to Fieldwork in Anthropology III

The student will receive a reading list and be expected to cover relevant theoretical areas. Otherwise instruction will be by lecture and guided practical experience in one of three areas in Anthropology: Archaeology, Paleoanthropology or Ethnology. In some cases the student may crossover the three areas.
Prerequisites: Anth 101-3, Anth 102-3 or instructor's permission.

ART

ART 101-3 Design Fundamentals I

An introductory course in which the student is introduced to various techniques, skills and theory of design. Composition and the basic design elements of paint, line and color will be the major areas covered. Applies mainly to work in two dimensions. (2,4)L

ART 102-3 Design Fundamentals II

A continuation of Art 101-3. Introduction to mixed media and problem solving in design. Exercises in shape, plane and form to be resolved in printmaking, textiles, pottery or sculpture.
Prerequisite: Art 101-3 or instructor's permission. (2,4)L

ART 103-3 History of Art I

The course is designed to familiarize the non-professional as well as the serious art students with the historical concepts that have shaped the current art situation. This introductory course examines the major developments in art from prehistoric to the Gothic. (3,0)

ART 104-3 History of Art II

A continued survey of major art developments from neoclassical to the present day. throughout their studies students consider the implications of world condition, social factors, etc. as they relate to the history of art.
Prerequisite: Art 103-3. (3,0)

ART 161-3 Spinning and Dyeing

Course includes: carding on hand and drum carder, spinning on spindles and traditional and Indian-style spinning wheels, experimentation with natural and commercial dyes, study and comparison of different spinning fibres, and experiments in blending and spinning novelty fibres. (1,2)L

ART 163-3 Ceramics I

A general introduction to ceramics. Each student will complete slab built and wheel thrown objects. The emphasis is on the encouragement of creative honest self-expression and good craftsmanship. (2,4)L

ART 164-3 Ceramics II

A continuation of Art 163-3.
Prerequisite: Art 163-3 or instructor's permission. (2,4)L

ART 165-3 Drawing I

This course covers all abrasive and absorbent media building on gesture, line, shape, value, volume, perspective, and conceptual thought. (2,4)L

ART 166-3 Drawing II

A continued progression of basic drawing through figured anatomical, multiple media, and all major advanced drawing approaches.
Prerequisite: Art 165-3 or instructor's permission. (2,4)L

ART 167-3 Weaving I

The course is designed to be an introduction to fibre manipulation ranging from hand spinning to four harness weaving. Students will explore spinning, dyeing, colour theory, off loom tapestry and small loom techniques and will be introduced to the four harness loom. (2,4)L

ART 168-3 Weaving II

A continuation of Art 167, but primarily devoted to weaving on the four harness loom, with an emphasis on design fundamentals as they apply to weaving.
PREREQUISITE: Art 167 or instructor's permission. (2,4)L

ART 171-3 Sculpture I

An introduction to sculpture by working in cardboard, wood and plaster. Equal emphasis is given to understanding both sculpture and the basic elements of art through class discussions of famous works and critics of student work. (2,4)L

ART 172-3 Sculpture II

A course emphasizing the elements of art as they pertain to sculpture. The first half of the course will use clay as the medium with free form and relief projects. The second half will be given to projects using materials and ideas of the student's interest.
PREREQUISITE: Art 171-3 or instructor's permission. (2,4)L

ART 173-3 Painting I

This course covers all recognized painting preparations and processes. Both water colour and oil with some acrylic medium are explored. All available contact to painting is made through use of lectures, movies, slides, and critiques. (2,4)L

ART 174-3 Painting II

A continued development from painting basics to an advanced set of constructions and finished paintings.
PREREQUISITE: Art 173-3 or Instructors permission (2,4)L

ART 177-3 Printmaking I

This course explores the various print media in a working situation. Techniques in relief and stencil-method printing are taught. Assignments are given with a view towards technical proficiency, aesthetic completeness in imagery, and contemporary and historical methods and concepts in the media. (2,4)L

ART 178-3 Printmaking II

A continuation of Art 177-3.
PREREQUISITE: Art 177-3. (2,4)L

ART 180-3 Interior Design Principles

An introduction to the principles of design; how to work with colour, pattern, texture, background treatments, furniture and lighting in the home as well as consumer awareness of materials and goods available in the market place. (2,1)L

ART 253-3 Ceramics III

A continuation of Ceramics II. The course will deal with the study of space, colour and shape relationships. The course will also cover the aspects of both utilitarian and sculptural pottery. Gas Kiln and firing principles and techniques will be discussed.
PREREQUISITES: Art 163-3 and Art 164-3 or Instructors permission (2,4)L

ART 254-3 Ceramics IV

Art 254, Ceramics IV is a continuation of Art 253, Ceramics III.
PREREQUISITES: Art 165-3, Art 166-3 or Instructors permission. (2,4)L

ART 265-3 Drawing III

An advanced course that focuses on the skills of drawing, the visual elements and individual inventiveness. The student will work on projects with a more mature perspective, or in consultation with the instructor, develop an individual project.
PREREQUISITES: Art 165-3, Art 166-3 or Instructors permission. (2,4)L

ART 266-3 Drawing IV

The student will develop skills and concepts in drawing on an advanced level. Emphasis will be on the grasp of pictorial issues, use of materials, and breadth of concept.
PREREQUISITES: Art 165-3, Art 166-3, Art 265-3 or Instructors permission. (2,4)L

ART 267-3 Intermediate Weaving III

Further explorations of the design potential of four harness weaving.
PREREQUISITE: Art 168 or Instructors permission. (2,4)L

ART 268 Intermediate Weaving IV

A continuation of Art 271 with special attention to design in rugs and tapestries.
PREREQUISITE: Art 267-3 or Instructors permission. (2,4)L

ART 271-3 Sculpture III

An advanced program in sculpture fitted to the interest of each student. In-depth study in a medium or an image will be pursued. Students are encouraged to share their ideas with each other.
PREREQUISITES: Art 171-3, Art 172-3, Art 271 or Instructors permission. (2,4)L

ART 272-3 Sculpture IV

A continuation of Sculpture III. Special emphasis is placed on individual student projects and development.
PREREQUISITES: Art 171-3, Art 172-3, Art 271 or Instructors permission. (2,4)L

ART 273-3 Painting III

An advanced course in painting. The student will assist the instructor in developing projects that will focus on the visual language, technical proficiency and a view towards developing a mature, individual approach to painting. The student will be required to participate in group critiques.
PREREQUISITE: Art 173-3, Art 174-3 or Instructors permission. (2,4)L

ART 274-3 Painting IV

The student will be expected to locate certain visual issues in his/her work and realize some degree of development. An example of visual issue is a struggle with surface (shiny, dull, thick or thin application or a harmonious combination of these factors). This is an advanced course in which students are encouraged to identify and develop their own issues.
PREREQUISITES: Art 264-3, Art 265-3, Art 2733 or Instructor's permission. (2,4)L

ART 277-3 Printmaking III

An advanced course in printmaking, the student will be required to work in at least two print media i.e. stencil and relief. The student will be encouraged to explore in depth technical possibilities in those media, multi-media approaches, and a more mature visual expression. The student will participate in group critiques and will be in close consultation with instructor.
PREREQUISITE: Art 177-3, Art 178-3 or Instructors permission. (2,4)L

ART 278 Printmaking IV

This is a continuation of first year printmaking where each student has the opportunity to gain further experience in relief, stencil and intaglio printing as well as explore lithography.
PREREQUISITES: Art 177-3, Art 178-3, Art 277-3 or Instructors permission. (2,4)L

ASTRONOMY

ASTR 101-3 Elementary Astronomy I

A general interest introductory course in astronomy. Although it involves a laboratory, this course is presented at a level to be suitable and enjoyable for the non-science student. The topics include: A history of man's early ideas of our universe, orbital motion, the earth and sky, time, e/m radiation and observing instruments, the solar system. (3,3)L

ASTR 102-3 Elementary Astronomy II

A continuation of Astronomy 101-3. The topics include: stellar distances and magnitudes, the motions and spectra of stars, binary stars, the H-R diagram, the galaxy, the structure and energy of stars, stellar evolution, neutron stars and black holes, the origin and evolution of the universe. The College telescope will be available for observing.

PREREQUISITE: Astr 101-3. (3,3)L

ASTR 131-3 Introduction to Astronomy

A study of the principle methods and theories that have contributed to man's idea of the universe. (3,0)

BIOLOGY

BIO 040 Advanced Preparatory Biology

A lab-oriented course dealing with the basic elements of biology. It includes study of the microscope and other research tools, the cell, classification genetics, photosynthesis and respiration, ecology evolution, human biology or, botany or zoology.

PREREQUISITE: Science 030 or Grade 10 Science.

BIO 101-3 Biology for Science Majors I

This course examines the properties of atoms and molecule, cellular respiration, photosynthesis, embryonic development, hormones and physiological mechanisms.

PREREQUISITES: Biology 11 or Biology 040 and Chemistry 11. (3,3)L

BIO 102-3 Biology for Science Majors II

Topics in this course include the role of science in society, the geological history of the earth in relation to life, the development of evolutionary theory and genetics. Further, taxonomy, the diversity of organisms and various aspects of social organizations are studied.

PREREQUISITES: Biology 11 or Biology 040 and Chemistry 11. (3,3)L

BIO 103-3 Biology for Non-Majors I

A general biology course, less rigorous than Bio 101-3, and intended for those students not majoring in sciences. Topics studied are classical and modern genetics, origin of life and evolutionary theory, taxonomy, ecological relationships, and animal behaviour. (3,3)L

BIO 104-3 Biology for Non-Majors II

Similar in intent to Bio 103-3. Topics covered are ecology, diversity among plants and animals, and economic biology. (3,3)l

BIO 111-3 Human Anatomy and Physiology for Nursing I

An introductory survey of the structure and functions of the systems of man. Lecture topics include cellular biology and the skeletal, muscular, nervous and cardiovascular systems. Laboratory exercises involve histology and anatomy. This is an appropriate course for Nursing students and others who require introductory coverage of the field.

PREREQUISITES: Biology 11 and Chemistry 11. (3,3)L

BIO 112-3 Human Anatomy and Physiology for Nursing II

A continuation of Biology 111-3. This course deals with the respiratory, urinary, gastrointestinal, endocrine and reproductive systems. Laboratory exercises involve the development of various physiological principles utilizing modern instrumentation.

PREREQUISITE: Biology 111-3. (3,3)L

BIO 114-3 Human Physiology

A one semester course dealing exclusively with human physiology. Materials covered range from topics at the molecular level to the systems level. Students enrolled in this course are assumed to have a basic familiarity with human anatomy. The course is designed specifically for nursing access students.

PREREQUISITE: Practical Nurse. (3,3)L

BIO 121-3 Human Anatomy and Physiology for Medical Laboratory Technology I

This course presents a broad and thorough coverage of the systems of anatomy and physiology. Lecture course emphasis is on physiological principles at both the cellular and systems level. Cellular biology and the skeletal, muscular, nervous and cardiovascular systems are covered. This course is open to students outside the Medical Laboratory Technology program, who may find an introductory course appropriate.

PREREQUISITES: Bio 11 and Chem 11. Bio 12 and Chem 12 are recommended. (3,3)L

BIO 122-3 Human Anatomy and Physiology for Medical Laboratory Technology II

A continuation of Biology 121-3. Topics to be covered include the respiratory, urinary, gastrointestinal, endocrine and reproductive systems and metabolism. Laboratory exercises deal with physiological principles utilizing modern equipment and a variety of laboratory animals, both cold and warm blooded.

PREREQUISITE: Bio 121-3 (3,3)L

BIO 123-3 Fundamentals of Immunology

Basic principles of immunology are given with emphasis on medical laboratory application. The topics covered include molecular aspects of antigen and antibody, serological reactions, hypersensitive states, autoimmune diseases, tissue and tumor immunity, and immunologic deficiency diseases.

PREREQUISITES: Bio 11, Chem 181-3 and 154-3, or permission of instructor. (2½,½)L

BIO 180-2 Aquatic Biology for Anglers

Topics to be discussed include physical aspects of lakes and streams, gamefish biology, the biology of important insects and invertebrates. Instruction in basics through advanced techniques for flytying and basic flyfishing methods is included. (1,2)L

BIO 181-2 Flowering Plants of the Prince George Area

Open to community members as well as college students. This course covers identification and biology of local flowering plants. Labs concentrate on the use of technical keys for plant identification. Lecture topics include flowering plant morphology, classification and ecology. Prospective students should contact the instructor for information about making a plant collection. (1,2)L

BIO 201-3 Cell Structure

Beginning with experimental techniques, this course covers physical and chemical aspects of biological structure in procaryote and eucarote cells as well as in virus particles. Additional topics include cell events (mitosis, meiosis and movement) and correlations of structural diversity with functional specialization.
PREREQUISITES: Bio 101-3 and 102-3; Chem 101-3 or 103-3 and 104-3.
COREQUISITE: Chem 203-3. (3,0)

BIO 202-3 Cell Chemistry

An introductory course dealing with the chemcial basis of life. This course emphasizes basic life processes; energy conversion, transfer and storage. Cell structures are discussed from the standpoint of their roles in all aspects of energetics.
PREREQUISITE: Bio 201-3.
COREQUISITE: Chem 204-3. (3,0)

BIO 203-3 Introduction to Ecology

The organism and its abiotic and biotic environment will be introduced followed by a more complete analysis of energy flow and the cycles of various organic and inorganic materials. Intraspecific and interspecific relationships of organisms will be developed. An introduction to the biome concept and the influence of man on his environment will be considered.
PREREQUISITES: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 and first year College Chemistry (3.0)

BIO 204-3 Introduction to Genetics

This introductory course will cover classical genetics, molecular genetics, genetics of populations and human genetics. The use of statistics in genetics will be introduced where applicable.
PREREQUISITES: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 and first year College Chemistry. (3.0)

BIO 205-3 Introduction to Microbiology I

A historical perspective of microbiology, followed by topics which will include bacterial cell structure and its relation to function, bacterial growth kinetics and a survey of the lower protists. An introduction to virology and bacterial metabolism, including environmental factors which affect microbial growth and survival will also be presented.
PREREQUISITES: Bio 101-3 and 102-3
COREQUISITE: Chem 203-3. (3,3)L

BIO 206-3 Introduction to Microbiology II

This course will include an introduction to the genetics of bacteria and viruses; sporulation as a form of bacterial differentiation; immunology, including both antibody and cellular responses to antigen and an analysis of host-parasite relationships.
PREREQUISITE: Bio 205-3.
COREQUISITE: Chem 204-3. (3,3)L

BIO 207-3 Comparative Anatomy of Vertebrates

A systematic approach to the comparative anatomy of the vertebrates. Organisms exhibiting a varity of morphological advances will be disected in the laboratory.
PREREQUISITES: Bio 101-3 and 102-3. (3,3)L

BIO 208-3 Developmental Biology

A brief introduction to the principles of embryology and a survey of developmental anatomy and physiology of the vertebrates.
PREREQUISITES: Biol 101-3 and 102-3. (3,3)L

BIO 209-3 A Survey of Non-Vascular Plants

A survey of algae, fungi, lichens and bryophytes. The approach of the course is to study evolutionary trends in form and function of non-vascular plants as they relate to adaptation to the environment.
PREREQUISITES: Bio 101-3 and 102-3 or Bio 103-3 and 104-3 with permission of instructor. (3,3)L

BUSINESS

BUS 151-3 Accounting I

A study of the fundamental concepts and techniques of the accounting process in proprietorships and corporations. Emphasis is placed upon the flow of information through the business and its relation to various functional areas. All material is integrated with case studies. (3,0)

BUS 152-3 Accounting II

A continuation of the introduction to fundamental accounting principles. Topics include: corporate accounting, financial statement analysis, budgeting, departmental accounting, manufacturing accounting and tax planning. All material is integrated with case studies.
PREREQUISITE: Bus 151-3 or equivalent with permission of the instructor.

BUS 153-3 Business Fundamentals I

An introduction to Business Management. The course takes a functional overview of business, and discusses finance, marketing and production, as well as areas related to personnel. There is a brief discussion of management and general management concepts, as well as a brief overview of the legal forms of business organizations and bankruptcy law. Basic techniques for problem definition and analysis will be introduced in the course, and the student will start to apply these ideas through the preparation of business cases. (3,1)

BUS 156-3 Applications in Accounting

The accounting principles learned in Business 151-3 are applied through the use of projects and practice sets. Students will gain experience working with the voucher system and one-write method for payroll, receivables, and payables. Students will also be required to complete a comprehensive practice set working from source documents through to financial statements.
PREREQUISITE: Bus 151-3 or instructor's permission. (1,2)

BUS 251-3 Intermediate Accounting I

A sound knowledge of fundamental accounting principles is essential to deal with the concepts presented in this course. The emphasis is on solving problems related to financial statements, cash, marketable securities, accounts receivable, current liabilities, inventories, plant and equipment, and intangible assets.
PREREQUISITE: Bus 152-3 or equivalent with permission of instructor. (3,0)

BUS 252-3 Intermediate Accounting II

The analysis of the balance sheets accounts, which was started in Bus 251-3, is concluded with coverage of shareholders' equity, long-term liabilities, and long-term investments. Other topics include: accounting for income taxes, accounting changes, statement analysis and price-level and fair-value accounting.
PREREQUISITES: Bus 251-3 or equivalent with permission of instructor. (3,0)

BUS. 253-3 Cost Accounting I

An introduction to managerial accounting. Emphasis is placed on cost for planning and control and included the following topics of prime managerial significance: Conceptual framework of management accounting, Cost-Volume-Profit relationships, job-order costing, process costing, labour costs: control and accounting, Standard costs: direct material and direct labour, flexible budgets, and managerial cost reports.
PREREQUISITE: Bus 152-3. (3,0)

BUS 254-3 Cost Accounting II

A continuation of Bus 253-3, Cost Accounting I. Topics covered include: accounting systems, standard cost analysis of overhead variances, responsibility accounting, budgeting/profit planning, inventory planning, control, valuation, joint-product costs and by-product costs, direct costing and the contribution approach, decentralization, including the measurements of performance - transfer pricing, sales mix, production mix, and yield variances.
PREREQUISITE: BUS 253-3 or instructor's permission. (3,0)

BUS 255-3 Principles of Management

An analysis of management functions including planning, organizing, staffing, directing, co-ordinating and controlling. Through classroom discussions and case analysis the student is able to integrate the principles of management with organizational situations. The process of decision making is also covered in this course as well as management by objectives and other techniques of management.

PREREQUISITE: Second year enrollment or instructor's permission. (3,0)

BUS 257-3 Financial Management I

An introduction to the application of financial tools to analyse the internal operations of the business enterprise with the objective of measuring performance and assisting management decision-making. The topics covered include: Ratio analysis, break-even analysis, financial forecasting, cash budgeting, management of cash and marketable securities, investment in accounts receivable - credit management, investment in inventories, capital budgeting, term loans and leases.

PREREQUISITE: Second year standing or instructor's permission. (3,0)

BUS 258-3 Financial Management II

Sources and forms of short-term financing for both large and small businesses are studied. The topics covered: Trade credit and current asset financing, bank financing, term loans, cost of capital, long term securities market, long term debt, financial leverage, warrants and convertibles, preferred stock, common stock, and dividend policy.

PREREQUISITE: BUS 257-3. (3,0)

BUS 259 Principles of Supervision - Basic

A course for new or experienced supervisors or for those contemplating promotion who wish to become proficient in supervisory and leadership skills. Includes such supervisory skills as communication, verbal and non-verbal. Barriers to effective communication, voice and body language, motivation, leadership styles, the change to supervisor/foreman responsibilities, group process productivity, delegation, discipline. Appraising performance. (3,0)

BUS 260 Principles of Supervision - Advanced

Course progresses within the following modules, communication, dealing with interpersonal transcations and communication styles. Time management, conflict, decision making, conducting effective meetings and on-the-job training. One of the following will be taken - management by objectives, or introduction to business writing, letters, memos, reports, reading and interpretating financial statements.

PREREQUISITE: Bus 259. (3,0)

BUS 261-3 Credit and Collections

Basic consumer and commercial credit management including a study of the role of credit, federal and provincial legislation dealing with credit transactions, types of credit instruments, credit policy and control, and collection techniques. (3,0)

BUS 262-3 Purchasing

A comprehensive course covering all phases of the purchasing function. Quality, specification, standardization, the right source of supply, the right price, negotiation, receivng, and inventory control methods. (4,0)

BUS 263-4 Principles of Inventory Control and Production Management

A comprehensive and detailed review of inventory control methods and production management techniques. (4,0)

BUS 264-4 Principles of Transportation

This course is primarily for purchasing personnel, and covers the following areas: purchasing and transportation, transportation systems, rates, and services. (4,0)

BUS. 265-3 Business Policy

An examination of the process of strategy and policy formation in business and organizations of all types, though the emphasis will lie toward the smaller, medium-sized enterprise. This course deals with policy decisions in all areas of business - marketing, personnel, and finance. Extensive use will be made of business cases, with many drawn from the local community. Readings, films, and guest lecturers will be an important part of the course.

PREREQUISITE: Second year standing, or instructor's permission. (3,0)

BUS 266-3 Small Business Management

A specialized course dealing with topics of interest to those involved in small businesses. Small business finance, marketing, production, and personnel problems will be discussed, as well as special interest areas such as insurance, time management, purchasing, receivables management, and so on. Extensive use of cases and guest speakers.

PREREQUISITE: First year standing or instructor's permission. (3,0)

BUS 268-3 Human Relations in Business

This course is designed to develop an awareness of factors and skills in interpersonal relations. Factors in human relations will be explored through a careful examination of selected topics in personality and social psychology: e.g. roles, identity, motivation, attribution, social learning theory, altruism. Human relations skills will be examined through practice in a laboratory setting. (3,0)

BUS 270-3 Advanced Accounting

Topics covered include: consolidations, changes of price levels and financial reporting, replacement costs and financial reporting, foreign operations, re-organizations and liquidations.

PREREQUISITE: Bus 252-3 or instructor's permission. (3,0)

BUS 271-3 Marketing I

An introduction to the marketing function of the firm and basic marketing concepts. The course then examines the following topics: consumer motivation and behavior, product planning, development and distribution. Throughout the course, emphasis will be placed upon the application of concepts and perspectives to selected marketing cases. (3,0)

BUS 272-3 Marketing II

An in-depth examination of marketing research, promotional policy, advertising policy, and the management of personal selling. Following this section, the course then examines the marketing of services and international marketing with an examination of overall marketing policy determination and methods of evaluating marketing programs. The discussion of marketing cases is an integral part of the course.

PREREQUISITE: Bus 271-3. (3,0)

BUS 274 Organizational Behavior

A psychological study of work and organizations. Topics include human economics, motivation, learning, personality, measurement, groups, leadership, social psychology, decision-making, organizational design and development, organizational stress, communications, and research.

PREREQUISITES: recommended: Bus 268 or Psyc 204 (3,0)

BUS 275-3 Personnel Administration

A detailed examination of the many responsibilities of the personnel practitioner including interviewing, manpower planning and development, salary and wage administration, organizational development, personnel placement and selection, administration of employee benefits, safety and labor/management relations. The emerging role of the personnel department in relationship to employee productivity is also emphasized.

PREREQUISITE: Second year standing or instructor's permission. (3,0)

BUS 276-3 Interviewing and Counselling

This course will be of particular interest to personnel people and those in supervisory positions, but will also be of help to those engaged in counselling. The varied techniques of counselling will be studied including group counselling and non-directive interviewing. The participants will be exposed to role playing and other practical exercises in order to practice the varied techniques.

PREREQUISITES: Second year standing or business experience and instructor's permission. (3,0)

BUS 277-3 Industrial Relations

A review of the history and current status of Industrial Relations in Canada with particular emphasis on the roles assumed by labour unions, management, and government bodies in the collective bargaining process. Grievance procedures,

administration of collective agreement, arbitration, mediation, strikes, lockouts, and provincial labour codes are discussed in detail along with anti-inflation and the resolution of conflict. (3,0)

BUS 278-1 Retail Merchandising

A study of merchandising principles, practices and processes in Canadian marketing. The course studies the consumer, buying methods, and sources of supply, selling, sales promotion methods and media, inventory control. (3,0)

BUS 293-3 Business Law I

An introductory course concerned primarily with Contract Law. Topics include: Introduction to the Canadian Legal System, Contracts - Offer, Acceptance, Consideration, Capacity, Legality, Mistake and Misrepresentation, Privity, Assignment, Discharge, and Breach and Remedies. The Sale of Goods Act. Consumer Protection Act. Trade Practices Act. Bailment, Creditors Remedies. (3,0)

BUS 294-3 Business Law II

An in-depth treatment of legal topics complementary to those in Business 293. Major areas discussed include Employment, Agency and Partnership, Corporations, Negotiable Instruments, Secured Transactions, Insurance, Real Property, and Landlord and Tenant.

PREREQUISITE: None. Business 293 is recommended but not required. (3,0)

CHEMISTRY

CHEM 040 Advanced Preparatory Chemistry

This course covers such topics as: atomic theory and structure, periodic table, nomenclature, chemical bonding, mole and weight relations, acids, bases and salts, oxidation-reduction, solutions, gas laws, equilibrium, organic and bio chemistry, nuclear chemistry and environmental chemistry. Lab work is a necessary and integral part of the course.

PREREQUISITE: Chem 030 or Grade 10 Science.

CHEM 101-3 Fundamentals of Chemistry I

This course includes thermodynamics, a quantitative discussion of equilibrian and ionic solutions, and reaction kinetics.

PREREQUISITE: Chemistry 12 or equivalent. (3,3)L

CHEM 102-3 Fundamentals of Chemistry II

A discussion of modern bonding theories and applications to molecular structure, followed by an introduction to organic chemistry and biochemistry.

PREREQUISITE: Chemistry 12 or equivalent. (3,3)L

CHEM 103-3 Introduction to Chemistry I

With Chemistry 104-3 this course constitutes a first year general Chemistry course for students planning on entering Agriculture, Forestry, Sciences, etc. The course covers solution calculation, equilibrium, pH, acids and bases and oxidation and reduction.

PREREQUISITE: Chemistry 11 or instructor's permission. (3,3)L

CHEM 104-3 Introduction to Chemistry II

This is a course for students who have not completed Chemistry 12 recently. It is primarily intended for students whose major areas such as Forestry, Home Economics, etc. require 1 or 2 years Chemistry. The topics covered are chemical bonding, chemical calculations, organic and inorganic Chemistry.

PREREQUISITE: Chem 11 or permission of instructor. (3,3)L

CHEM 154-3 Chemistry for Medical Lab

Analytical, organic, and biological chemistry for medical lab technology students.

PREREQUISITE: Tech. Chem. 181-3 (3,3)L

CHEM 201-3 Physical Chemistry

This course comprises a discussion of the laws of thermodynamics followed by a treatment of the equilibrium thermodynamics of gases and solutions.

PREREQUISITE: Chem 101-3 or 103-3. (3,3)L

CHEM 202-3 Inorganic and Co-ordination Chemistry

The chemistry and structure of transition metal compounds are discussed in this course. The kinetics and mechanism of reactions of co-ordination compounds is also covered.

PREREQUISITE: First Year Chem. (3,3)L

CHEM 203-3 Organic Chemistry I

The course provides an introduction to organic chemistry. A survey of structure and reactivity for the major functional groups is followed by an introduction to analysis and structure determination. A major topic on chirality and conformational analysis is included. Laborarty experience includes an introduction to synthetic methods and infrared spectroscopy.

PREREQUISITE: Chem 102-3 or 104-3. (3,3)L

CHEM 204-3 Organic Chemistry II

Mechanism and synthesis are discussed as central themes in organic chemistry. This course surveys substitution, addition, elimination, rearrangement and oxidation-reduction reactions for the functional groups introduced in Chemistry 203. Additional topics in carbonyl and carbohydrate chemistry are included, as is an introduction to nuclear magnetic resonance. Laboratory experiments provide experience in contemporary synthetic methods and gas chromatography.

PREREQUISITE: Chem 203-3. (3,3)L

COACHING

COCH 151-2 The Physiological Basis of Sport

This course provides coaches with skills that will allow them to analyze the physiological needs of their athletes, and to plan more effective training sessions that will result in desired change, and ultimately improve performance. (3,0)

COCH 153-1 NCCP Level I Theory

This course will provide coaches with the basics on becoming a better volunteer coach. Theoretical skills are introduced and their applications to a wide range of sport skills and interpersonal behavior will be illustrated. Example topics include leadership and communication, human learning and motivation, growth and development, and muscle control and development. (3,0)

COCH 154-2 Principles of Coaching

The course is designed to offer coaches of all sports and levels the specialized knowledge required to assume a more professional approach to the coaching role. The course will help the inexperienced coach to understand the fundamentals of coaching, and enable the more seasoned coach to improve his/her skills by acquiring the most recent coaching principles. (3,0)

COCH 170-1 NCCP Level I Technical

This course relates the methods for teaching and learning of physical skills and strategies of the particular sport. It also specifically applies the general coaching principles in the theory components.

COCH 199-3 Coaching Fieldwork I

The student coach will work with an experienced coach. This experience will be co-ordinated by CNC. Credit will be granted upon proof of completion of fieldwork. Fieldwork (50)

COCH 251-2 Psychology of Coaching

The general emphasis in the course will be on increasing the student's understanding of the major psychological processes that underlie athletic coaching. Topics will include mature incentive systems in sport, achievement motivation, aggression, behavior control, anxiety, and competition arousal. (3,0)

COCH 256-2 Sport Medicine

This course is designed to introduce and equip the coach with the knowledge, attitude and skill necessary to deal effectively with the most prevalent problems; namely soft tissue injuries, strains and sprains, dislocations, and fractures. (3,0)

COCH 258-2 NCCP Level II Theory

Level II of the NCCP is aimed towards development and the teaching of sport science fundamentals centered around a seasonal schedule. This course is designed for the volunteer coach who works with a more committed and dedicated athlete.

PREREQUISITES: Coch 153-1 and Coch 170-1 or NCCP Level I Theory and Technical. (3,0)

COCH 270-1 NCCP Level II Technical

This course relates the methods for teaching and learning of physical skills and strategies of the particular sport. It also specifically applies the general coaching principles in the theory components.

COCH 299-3 Coaching Fieldwork II

The student coach will work with an experienced coach. This experience will be co-ordinated by CNC. Credit will be granted upon-proof of completion of fieldwork. Fieldwork (50)

CNC COURSES (Study Skills)

CNC 150-0 GED Preparation

A five-week (45 hour) preparatory course emphasizing Mathematics and English to the Grade 12 level. Also, an approach to exam writing will be discussed. Counselling advice regarding post-secondary options will be available. The course prepares the adult to successfully pass the Grade 12 Equivalency Tests (GED)
PREREQUISITES: Age nineteen and a B.C. resident. (3,2)

CNC 151-0 Study and Notetaking

This program aims at developing a systematic habit of reading textbooks and listening to lectures, an organized method of note taking and note review, and a strengthened sense of the structure of communication.

CNC 152-0 Writing Skills (Research and Essay)

This course is designed to meet the needs of students who wish to improve their skills in the essay and reasearch form. The areas covered include methods of essay organization and skills needed to do efficient research. Students are encouraged to bring specific research problems to the tutorial. The desire for clear, concise, factual content in essay writing is stressed. Instructors may refer students to this course and assign topics which may be used to meet the requirements of both this course and their own.

CNC 153-0 Speed Reading

This course enables the student to increase his rate of reading and comprehension. This is a proven College Program that utilizes non-fiction material.

CNC 154-0 Directed Studies

An individual approach enabling students to improve study habits, writing, reading, and all areas of learning. This is achieved through counselling involving the study skills instructors and counsellors. Attendance in this course is a requirement for students on probationary status.

CNC 155-0 Study Management

A mini course to be given during orientation and throughout the college year on the request of class instructors. Areas to be covered either partially or in their entirety are: Study management - Major course related skills. - Auxilliary course skills - Attitudes, interests and habits.

CNC COURSES (Counselling)

CNC 160-0 Career Planning

Career Planning is an eight week course designed to assist individuals with career selection and planning. Topics to be covered are: (1) Decision-making skills (2) Self awareness (3) Career/Vocational information sources (4) Job search skills.

COMMERCE

COM 110-3 Quantitative Analysis I

Quantitative Analysis I provides an introduction to criteria for choice, cost benefit analysis, discounted cash flow and linear programming. The linear programming section employs a computer based linear programming package.
PREREQUISITES: Math 101-3 and Math 102-3 or Math 103-3 and Math 104-3 or permission of instructor. (3,0)

COM 120-3 Organizational Behavior

A multi-dimensional approach to understanding the human problems of business organizations. The areas of determinants of behavior, actual behavior, and the consequences of behaviors are examined in detail with the objective of improving skill at diagnosing behavioural situations. Specific topics include group behavior, individual behaviour, leadership, communication, and introduction of change. (3,0)

COM 201-3 Accounting

An introduction to income determination for accounting purposes including a review of various balance sheet accounts and their relationship to the income statement. Financial statement presentation and analysis are also considered. (3,0)

COM 202-3 Financial Accounting

The review and extension of financial accounting concepts and their applications to the financial statements studied in Commerce 201 and to additional areas, including some income tax. The impact on financial statements of income determination, valuation, and classification alternatives. The use of financial statements for decisions through ratio analysis.
PREREQUISITE: Com 201-3. (3,0)

COM 207-3 Business Statistics I

An introduction to probability and statistical inference with applications to Business, Economics, and Industry.
PREREQUISITES: Math 102-3 or Math 103-3 and 104-3 (3,0)

COM 208-3 Business Statistics II

A continuation of Com 207-3.
PREREQUISITE: Math 207-3 or Com 207-3.

COMPUTER SCIENCE

See Math 109-3 and Math 110-3 and also Electronic Data Processing Program.

CONSTRUCTION

CONS 150-2 Introduction to the Construction Industry

This course will be primarily field trips and visits to many types and sizes of construction projects. The purpose is to expose students to the many diversified areas in the construction business so that they can relate their course studies to the practical application. Students will be required to submit reports on each of these trips which will be graded for material content and grammar construction as part of Engl 151-3 course.
COREQUISITE: Engl 151-3. (0,2)L

CONS 151-3 Materials and Applications I

In order to plan and supervise a construction job, a person must have detailed knowledge of the materials which are used in today's industry, their costs and how they are used. This course examines soils, concrete, masonry and steel. The lab portion enables students to conduct actual soil tests and to cast concrete test cylinders.
COREQUISITE: Cons 150-3 (3,2)L

CONS 152-3 Materials and Applications II

This course is a continuation of CONS 151-3. The main topics are: wood framing, insulation requirements, drywall, flooring, plastics, painting and roofing. A brief introduction to mechanical and electrical systems will also be included.
PREREQUISITE: Cons 151-3. (3,2)L

CONS 153-3 Plumbing, Electrical, and Interior Finishing

This is a laboratory experience where the student will apply his or her theoretical training and practical ability to fit and assemble the components that make up the plumbing and electrical services in modern buildings. The student will also gain practical experience in drywall, carpeting, and painting. (0,3)L

CONS 156-3 Introductory Carpentry

After a thorough grounding in the theoretical concepts and safety practices associated with modern carpentry power tools, the student will put his skills to the task of cabinet making. (0,3)L

CONS 161-3 Construction Science I

Applications of mechanics to the construction industry. Topics include stress, strain, moments, introduction to design, fluids, work, and energy.
PREREQUISITE: Math 150-3. (3,2)L

CONS 261-3 Estimating and Bidding I

This course deals with basic fundamentals of building and with construction estimating; emphasis is on accurate, systematic quantity take-offs. This course will integrate knowledge and understanding gained during the first two semesters of the Construction Program.
PREREQUISITES: Draf 154-3 or permission of instructor. (2,2)L

CONS 262-3 Estimating and Bidding II

This course applies the techniques learned in Cons 261-3, to prepare a relatively large construction project estimate. The results of this estimate will be used to prepare and submit a bid in accordance with the present practices in the industry.
PREREQUISITE: Cons 261-3. (2,2)L

CONS 263-3 Construction Science II

Topics include electricity, heat, sound, light, and other topics related to construction practices.

PREREQUISITE: Cons 161-3. (3,2)L

CONS 265-3 Construction Law

The purpose of the course is to introduce the students to the fundamentals of law, to acquire the basic knowledge of contract law in order to avoid legal problems and to know when advice is necessary. Standard contracts pertaining to the construction industry are also studied. (3,0)

CONS 266-3 Roads and Excavations

This is a study of the engineering methods used to lay out and build good access roads. The student actually lays out, surveys and designs a road making use of a mass diagram. Proper choice of earthmoving equipment is studied as well as methods used to estimate equipment productivity. The impact of roads on the environment and proper culvert design and installation is emphasized. (3,3)L

CONS 271-3 Construction Strength and Design I

This is an introductory course, utilizing the knowledge gained in Cons 161-3, to design beams, columns and pin type structures for construction in wood and steel.

PREREQUISITES: Math 151-3 and Cons 161-3. (2,2)L

CONS 274-3 Management Operations

The student will learn the importance of a well organized construction company office. Topics to be discussed include organization, staffing, evaluation, bookkeeping, cost accounting and cost control. (3,0)

CONS 281-3 Construction Strength and Design II

This is a continuation of Cons 271-3 using the basic design techniques for design work with reinforced concrete, steel and foundation walls in addition the building codes are reviewed to show how design work must conform to the given code.

PREREQUISITE: Cons 271-3. (3,0)

CONS 282-3 Project Operations

An overview of the duties of the Superintendent in the role of manager with emphasis on project preplanning, scheduling, and communications. The duties and functions of a superintendent in his role as a manager are stressed. The lab portion of the course consists of weekly 2 hour trips to various job sites and a 1 hour discussion or film relating to construction projects. (3,3)L

CONS 283-3 Construction Equipment

A study of the economics of equipment costs in relationship to rentals, purchases or dispositions of equipment used in the industry are studied with emphasis on the importance of maintenance and components of the equipment. (3,0)

CONS 284-3 Building Services

This includes the services that the general contractor supplies such as water, sewage and drainage and the building services that are done by the electrical and mechanical trades electrical heating and air conditioning, plumbing and refrigeration.

PREREQUISITE: Second year standing in Construction Technology. (3,0)

CONS 290-1 Summer Essay

A report on the summer's work experience will be required by those entering the third semester. A report outline will be discussed in detail with the students prior to the end of the second semester. This is not a difficult assignment; it is meant to encourage the student to observe and record what happens on a job site. The results of this report will be used later in Cons 282-3.

CONS 291-2 Construction Project I

This course deals with the practical application of the construction technology by having the students undertake a building project. In this project the students learn the correct methods of using the tools of the building trade and the interrelation between the construction trades. (1,3)L

CONS 292-2 Construction Project II

A continuation of Cons 291-2.

PREREQUISITE: Cons 291-2. (1,3)L

DRAFTING

DRAF 151-2 Introductory Drafting I

Techniques of reading and producing orthographic drawings using standard format and the development of basic skills in applying these techniques. Use of instruments, line work, geometric constructions. Orthographic projects, isometric drawing and sketching, sections, dimensioning and threads, and fasteners, as required. (0,2)

DRAF 153-3 Drafting Fundamentals

This course includes basic Drafting techniques, as well as the use of the relevant equipment, it is designed to provide a good base for preparation of simple plans and details. (1,3)L

DRAF 154-3 Drafting and Interpretation

A continuation of the Drafting techniques introduced in Draf 153-3 with added work in interpretation of various types of construction plans, and specifications. Emphasis shall be on interpretation.

PREREQUISITE: Draf 153-3. (2,2)L

DRAWING 141-2 Engineering Drawing I

Orthographic projection, technical sketching, engineering geometry, graphic solution of space and vector problems and presentation of engineering data on graphs. (1,2)L

DRAWING 142-2 Engineering Drawing II

A continuation of Draw 141-2.

PREREQUISITE: Draw 141-2. (1,2)L

EARLY CHILDHOOD EDUCATION

ECE 151 Child Growth and Development

The study of human development during the formative years: conception to age seven. All aspects of development and major theories of development are discussed. Emphasis will be on the interaction between heredity and the environment as it affects development. (4,0)

ECE 153 The Child in Society

A study of the interrelationship between the home, the school and the community. The influence of social conditions on the child and his/her family is discussed. Attention is given to effective parent-teacher communication and co-operation with family and child oriented community resources. (4,0)

ECE 154 Philosophy of ECE

A study of the major historic and current theories of Early Childhood Education and the practices that have evolved from these theories. Goals and objectives and approaches to programming for ECE programs are studied. (3,0)

ECE 155 Philosophy of ECE

A continuaton of ECE 154. Skills for effective and sensitive interaction with young children are presented. Students learn various approaches to classroom management, guiding of children's behaviour and planning for groups and individual children.

PREREQUISITE: ECE 154. (3,0)

ECE 160 Seminar in ECE

The exploration of current topics in ECE as they apply to student participation in the field.

COREQUISITES: ECE 151, 154, 165, 170, 190. (1,0)

ECE 161 Seminar in ECE

The exploration of current topics in Early Childhood Education as they apply to student participation in the field. Topics covered include: differing philosophies, solving discipline problems, working in a team, etc. (2,0)

ECE 165 Program Development

Curriculum for young children is studied in depth. Curriculum areas covered are art, music, movement, science, math, social studies, language and literature. Workshops for preparation of materials and practice with projects are included.

PREREQUISITES: ECE 151 and 154. (4,0)

ECE 166 Program Development

A continuation of ECE 165. Students become actively involved in designing, planning and implementing the curriculum for Early Childhood programs.

PREREQUISITE: ECE 165. (4,0)

ECE 170 Observing & Recording Behavior

Directed observation of young children in the CNC Demonstration Day Care and other centres for young children. Methods for accurately and objectively observing, recording and interpreting child behaviour are studied and practiced. (4,0)

ECE 172 Health, Safety and Nutrition in the Preschool

The study of health, nutrition and safety needs of young children. Emphasis is on healthful practices in the preschool and nutritious menu planning for child care centres. Students will receive full, certified first aid training oriented for the preschool child. (2,0)

ECE 174 Interactng with Families

A study of the interrelationships between the home and the preschool centre. Attention is given to effective parent-teacher communication and co-operation. (2,0)

ECE 176 Human Relation in Early Childhood Setting

The course will assist the student in exploring his or her own values, goals, and style of ineracting with others. Students will acquire skills needed to establish helping relationships and to work as an effective team member. (3,0)

ECE 190 Practicum I

Practical experience in working with young children under the guidance of qualified supervisors in day care centres, nursery schools and kindergartens. Students plan and implement learning activities and acquire basic skills in interacting with children and other staff members. Classroom seminars are held in conjuction with field work.

NOTE: Part-time students require Inst. permission (0,10)L

ECE 199 Practicum II

Advanced supervised experience in working with young children. Students actively participate in program planning and implementation. Classroom seminars are held in conjunction with field work. (0,10)

ECE 251 Administration of Early Childhood Programme

A study of various areas of administration including staff selection and supervison, parent relations, program designing and planning, record keeping, working with community and government agencies, budgeting and financing. Meets second level compentency requirements.

PREREQUISITES: ECE Certificate. (3,0)

ECE 252 Admininstration of ECE Programs

A continuation of ECE 251 including such topics as staff relationships, record keeping, bookkeeping, budgeting, developing policies and procedures; parent, community and Board relations; and evaluation of self, staff, children and program.

PREREQUISITE: ECE 251 or instructors permission. (3,0)

ECONOMICS

ECON 101-3 Introduction to Economics

This course acquaints students with the basic concepts and vocabulary of economics. Areas of study include money, inflation, full-employment, investment, business cycles, pricing and costs. (3,0)

ECON 102-3 Canadian Economics Issues

This course reveiws current issues. Some of the topics are taxation, governmental economic policies, domestic and foreign investment, foreign trade problems and labour. Readings in current periodicals, publications of the Economic Council of Canada, current statistical publications, and other assigned readings form part of the material in this course.

PREREQUISITE: Econ 101-3 or instructor's permission. (3,0)

ECON 151-3 Introduction to Microeconomics

This course will examine theories, government policies, general knowledge and current events and issues relating to which include the characteristics and goals of the Canadian economy; the pricing of goods, services, and inputs, the organization and behavior of businesses under different industry environments and consumerism. (3,0)

ECON 152-3 Introduction to Macroeconomics

This course will examine theories, government policies, general knowledge and current events and issues relating to topics which include: taxation and the government sector; unemployment and inflation; money, banking and interest rates; unions and industrial democracy; international trade.

Students can take Econ 152 without Econ 151. (3,0)

ECON 201-3 Principles of Economics — Macroeconomics

This course explores the forces affecting an economy. The motivations and interactions of households, the business sector, government, and foreign sectors are emphasized. The role of money in a modern economy is dealt with at length.

PREREQUISITES: First year Math. (3,0)

ECON 202-3 Principles of Economics - Microeconomics

An examination of the concepts in the words "demand and supply". Components of demand by both firms and households are analyzed. A theory of pricing in different market structures is developed in conjunction with the derivation of costs to firms.

PREREQUISITE: First year Math. (3,0)

ELECTRONIC DATA PROCESSING

EDP 151-3 Data Processing Fundamentals

An introduction to the development of data processing and the perspectives and issues associated with it. An orientation to the computer and an insight into the impact that computers have had on society. An introduction to the solution of problems, using flow-charting and programming of the computer. Laboratory procedures include filing procedures, equipment and systems, and accounting forms and routines in control, purchasing and sales. (3,3)L

EDP 152-3 Computer Programming I

An introduction to the principles of programming. This course concentrates on the RPG II programming language, based on a modular learning method, with "hands on" computer experience. Flow-charting, coding, testing, debugging, and documenting several applications of increasing complexity will be included.

PREREQUISITE: EDP 151-3 preferred. (3,3)L

EDP 155-3 Fortran Programming

An introduction to the computer, machine operation, and data processing techniques. Flow-charting and problem definition are described preliminary to programming in the Fortran language. Several programs will be given to teach the language and to illustrate the capability of the computer. (3,3)L

EDP 157-3 Introduction to Data Processing for Medical Lab. Technologists

Data Processing functions are taught and practised on unit record equipment. Computer programming fundamentals, flowcharting, and solution algorithms are taught. Students will write and test programs. (3,3)L

EDP 251-3 Computer Programming II

The programming of a computer is usually done using a high level language. The most commonly used computer language is COBOL (Common Business Oriented Language). Using COBOL, students will study the fundamentals of business computer programming.

PREREQUISITE: EDP 152-3 or Computer Programming Course. (3,3)L

EDP 252-3 Computer Programming III

A study of advanced business computer programming. The use of disk files and of different disk file organizations will be examined through realistic programming assignments. The advanced features of COBOL will be used. The course will expose the student to the intricacies of JCL (Job Control Language).

PREREQUISITE: EDP 251-3 (or previous COBOL course). (3,3)L

EDP 253-3 Systems Analysis

An introduction to the methods used in designing systems. Problem definition, making a proposal, the full systems study, designing a new system, cost comparison, selling the system, implementing, documenting and follow up evaluation.

PREREQUISITE: EDP 151-3 or instructor's permission.

COREQUISITE: EDP 255-3 is suggested. (3,1)

EDP 254-3 Systems Design

A continuation of EDP 253-3 which concentrates on the design of a systems flowcharting, forms and records design, controls and audit trails, procedures, user documentation and operating handbooks. The student will learn by designing an actual system project and creating all the necessary reports and documentation.
PREREQUISITE: EDP 253-3 or instructor's permission. (3,1)

EDP 255-3 Business Uses of the Computer

The course will cover some of the most often encountered business computer applications, such as: payroll, accounts payable, and general ledger. The techniques for conducting a feasibility study for proposed computer applications are studied. Case studies will be used to illustrate the topics.
PREREQUISITE: EDP 152-3 or computer course preferred. (3,0)

EDP 256-3 Managerial Computer Applications

Increasingly, management utilizes the computer to apply Management Science techniques in the analysis of business problems. In this course the student will examine advanced applications through the use of pre-programmed computer packages. The topics will include critical path, linear programming, simulation, and forecasting. Case studies will add to the student's comprehension of these topics.
PREREQUISITE: At least one computer course. (3,1)L

EDP 257-3 Management Information Systems

The objective of this course is to provide a comprehensive framework for those seeking an understanding of management information systems (MIS) and their utilization in business, industry and government. As a pragmatic course it will help students to realize the potentials and limitations of MIS. Several real life cases will be studied to emphasize the major topics. (3,0)
NOTE: See also Computing Science courses listed under Mathematics.

ENGLISH

ENGL 009 English as a Second Language - Beginner

Emphasis of this course is on spoken English. The student will learn to speak and understand English for everday use and to read and write at a functional level.

ENGL 010 Basic Literacy

This course covers language skills including phonics, vocabulary and reading development up to the Grade 4 level.

ENGL 019 English as a Second Language - Intermediate

The intermediate class is designed to advance the speaking, writing and reading skills of those who already have a basic knowledge of English or have taken the English as a Second Language Beginner's course.

ENGL 020 Basic Preparatory English

A refresher course in English including fundamental skills in reading, writing and grammar.
PREREQUISITE: Basic Literacy in English or Engl 010.

ENGL 030 Intermediate Preparatory English

Course topics include paragraph and theme writing, reading skills, business letters, composition, and literature.
PREREQUISITE: Engl 020 or Grade 9 English.

ENGL 040 Advanced Preparatory English

This course is a continuation of Engl 030 and includes advanced grammar, sentence structure, paragraph and theme writing, research and report writing, oral presentations, and reading skills.
PREREQUISITE: Engl 030 or Grade 10 English.

ENGL 041 Advanced Reading and Writing

This course is a study of recent literature in the short story form. It will also include essay writing on selected subjects.
PREREQUISITES: Engl 030 or Grade 10 English.

ENGL 055-3 Remedial English

This course is intended for students needing remedial instruction in the basics of English writing skills. The course shall provide a systematic review of English grammar as well as an introduction to the expository essay and other prose styles. Short papers will be assigned weekly and shall serve as the major focus of course content. (3,0)

ENGL 101-3 Literature and Composition I

A study of the 20th Century short story and drama, and a consideration of current language practices, together with a program of writing. (3,0)

ENGL 102-3 Literature and Composition II

Reading of 20th Century poetry and novels, a study of the principles of composition, and a program of student writing. (3,0)

ENGL 103-3 Composition and Style

A study of grammar, composition, and style. Students are required to submit at least five essays plus a variety of writing assignments or exercises dealing with specific problems in essay writing. (3,0)

ENGL 151-3 Effective Communication I

A course in communication for career students that emphasizes report writing. Students will be given extensive practice in planning technical and business reports, writing clear and concise English, gathering information from libraries, questionaires, and interviews, and presenting reports in the proper format. (3,0)

ENGL 152-3 Effective Communication II

A continuation of Engl 151-3. Some additional practice in letter writing, speaking, and audio-visual communications will be provided.
PREREQUISITE: Engl 151-3. (3,0)

ENGL 161-3 Film Appreciation

Masterpieces of international cinema will be screened and discussed, and readings in the history, theory and analysis of film will be assigned. (1,2)

ENGL 201-3 English Literature, 1350-1688

A survey of English Literature from Chaucer to Milton based on a selection of poetry from major authors. Students are asked to submit at least three essays on literary topics.
PREREQUISITES: Two of Engl 101-3, 102-3, 103-3. (3,0)

ENGL 202-3 English Literature, 1688-1900

A survey of English Literature from Dryden to Hopkins based on a selection of works from major authors. Students will submit at least three essays on literary topics.
PREREQUISITE: Two of Engl 101-3, 102-3, 103-3. (3,0)

ENGL 203-3 Canadian Literature I

An introduction to the study of Canadian Literature involving writers from the beginning to the 1940's. Journals, poetry, fiction, and satire will be included.
PREREQUISITES: Two of Engl 101-3, 102-3, 103-3. (3,0)

ENGL 204-3 Canadian Literature II

A study of the development of poetry, fiction, drama, essays, biography, and satire from 1940 to the present.
PREREQUISITES: Two of Engl 101-3, 102-3, 103-3. (3,0)

ENGL 205-3 Creative Writing I

This workshop course is for students with a special interest in original creative expression. Students will submit their own written work (poems, short stories, or plays) for class discussion and comment.
PREREQUISITE: Instructor's permission. (3,0)

ENGL 206-3 Creative Writing II

A continuation of Engl 205-3.
PREREQUISITE: Instructor's permission. (3,0)

ENGL 213-3 Short Fiction I

A survey of the short story and novella from Poe to Lawrence. Students will be asked to write at least three essays on literary topics.
PREREQUISITES: Any two of Engl 101-3, 102-3, 103-3. (3,0)

ENGL 214-3 Short Fiction II

A survey of the short story and novella from Kafka to the present. Students will submit three essays on literary topics.
PREREQUISITES: Any two of Engl 101-3, 102-3, 103-3. (3,0)

FORESTRY

FOR 150-3 Forestry Orientation

This two week course is designed to introduce the student to the basic concepts of forest technology. Emphasis is placed on survival first aid, water safety, mechanical equipment uses and maintenance, safe working practices and field trips relevant to the program. Woods navigation and survival is stressed during a four-day 'fly camp.' (0,3)

FOR 154-3 Forest Products

The manufacture of minor forest products such as shingles, hardboards, particle boards, etc., plus specialty products are covered in this course. More specific detail is provided on veneer, plywood, and paper manufacture. This course will also cover the microscopic identification of commercial woods. (2,2)L

FOR 155-3 Forest Science I

This course introduces the student to the broad field of forestry and forest management, with emphasis on forestry concepts and terminology, the forest tenure system in B. C., and the importance of the forest industry. Most of the semester is spent on dendrology, silvics of important B.C. commercial timber species, identification of plant indicators, and atuecology (factors affecting tree growth). Also covered are Forest Regions of Canada and the Biogeoclimatic zones of B.C.

(2,2)L

FOR 156-3 Forest Science II

In the second semester, emphasis is on botany, with a general review of the plant kingdom (with particular reference to forest ecosystems) and basic plant anatomy and physiology (with emphasis on tree structure, growth, and reproduction). This is followed by forest site, range botany. The forest science course is basic to most second year courses in Forest Resource technology.

(2.2)L

FOR 157-3 Forest Soils and Ecology

This course is basic to an understanding of forest productivity with applications in silviculture and engineering. Topics covered are land-forms and soil formation, physical and chemical properties of soils, description of profiles, soil classification systems. Field Exercises will emphasize classification and mapping of soils and forest ecosystems.

PREREQUISITE: For 162, 156. (2,2)L

FOR 161-3 Forest Measurements I

A field-oriented course involving the theory and practice of forest-sampling and log scaling procedures, the study of surveying instruments and the development of skills in their use. Field notekeeping, mapping and drafting are given special emphasis. the construction and use of tables and graphic techniques both for reference and summarization of data is emphasized. (3,3)L

FOR 162-3 Forest Measurements II

Statistics and their application to control sampling error. Methods of volume and data compilations. Extensive field application of sampling and surveying procedures, with emphasis on notekeeping, accuracy, and completion of forest type and contour maps. Regeneration forestry procedures will also be covered.

PREREQUISITES: For 161-3, 171-3 and 173-2. (3,4)L

FOR 165-3 Fire Control I

Fire behaviour as it is affected by weather, topography and fuel types. Weather instruments, fire weather and the Canadian Fire Weather Index System are studied in detail to understand fire management concepts. Slash burning techniques, use of water and fire pumps, domestic and industrial fire fighting methods are also included. Wood safety is stressed throughout this course.

(2,2)L

FOR 166-3 Fire Control II

Fire suppression techniques, including use of water, bull-dozers, skidders, rotary and fixed wing aircraft, air tankers and chemical retardants. Initial attack and fire crew organization, detection, communications and presuppression planning are covered in detail. Part IX of the Forest Act and Regulations are covered. Fire suppression methods and concepts are studied through fire simulation exercise.

PREREQUISITE: For 165-3. (2,2)L

FOR 171-3 Photogrammetry

Photogrammetry involves the interpretation of information from air photographs. The mathematics necessary to read distances, areas and tree heights forms a major part of the course. Mapping and the specialized instruments required for this purpose are studied. The development of drafting skills is also emphasized.

(1,3)L

FOR 172-3 Photo Interpretation

For 172-3 emphasizes the use of photographs in mapping, value estimation, logging layout, and forest protection. Drafting skills are further developed.

PREREQUISITE: For 171-3, 162-3, 156-3. (1,3)L

FOR 173-2 Forest Drafting I

This course introduces the student to basic drafting skills, printing, the use of lettering guides and symbols, mapping for logging production, and the use of photographs for updating maps. (1,2)l

FOR 174-2 Forest Drafting II

Three main drafting assignments involving logging layout, road profiling and timber bridge design will be given the second term. This course is developed to complement the Photogrammetry course (For 172-3) which is taught concurrently.

PREREQUISITE: For 173-2, 162-3, 156-3. (1,2)L

FOR 199-3 Field School

Various field skills which may directly benefit the student in his or her summer employment culminating in a field trip to view coastal forest. Highlights of the trip may include research facilities (Provincial and Federal), forest nurseries, a seed extractory, coastal logging and manufacturing operations, and UBC Research Forest. Field Experience (50)

PREREQUISITE: G.P.A. of 1.5 in first semester.

FOR 251-3 Forest Management I

An overview of forest management in B.C. with emphasis on the Central Interior. Topics covered are management history, forms of tenure and administration, utilization, inventory, sustained yield principles and allowable cut calculations. the Forest Act, organization of the B.C Forest Service, and forest product companies are also examined.

PREREQUISITE: For 156, 157, 162, 166, 172, Eng. 151. (2,2)

FOR 252-3 Forest Management II

Emphasis is placed on integrated resource management of forest lands. Topics covered are: land use planning, hydrology, fish and wildlife, range management, recreation and their interreaction with forest harvesting. A resource folio is compiled covering an actual forest area in conjunction with other courses.

PREREQUISITE: FOR 251-3, FOR 253-3. (2,3)L

FOR 253-3 Silviculture I

Silviculture is the application of basic tree biology and forest ecology to the growing, harvesting, and regeneration of trees. The student will apply his basic knowledge of soils and ecology to ecological classification, stand tending, site preparation, planting operations and silvicultural systems. Laboratory and field exercises will include planting inspections and plantation performance assessment, site assessment and prescriptions, juvenile spacing, and ecosystem mapping.

PREREQUISITES: For 156-3, For 157-3, For 162-3, For 166-3, For 174-2, For 172, Eng. 151.

FOR 254-3 Silviculture II

Topics include tree seed collection and processing, direct seeding, nursery practices, cultural practices, (thinning fertilization), tree improvement, and the ecological impact of forestry practices. Emphasis will be on the basic field skills required to cope with the accelerated reforestation and silvicultural programs in B.C. A three-day course in pesticides will lead to the 'Pesticide Applicator's Certificate'. (A $10 fee is charged for writing the Pesticide exam.)

PREREQUISITE: For 253-3. (3,2)L

FOR 255-3 Forest Entomology

The student will obtain a practical working knowledge of insect and agencies which affect forest trees. This course will concentrate on the habits and economic significance of the most important insect pests in B. C. Stress will be placed on detection,

evaluation of damage and control.
PREREQUISITE: For 156

FOR 256-3

The student will obtain a practical working knowledge of forest disease agencies in B. C. This course covers causes of disease, development of infectious diseases, and typical life histories. The most important forest diseases of B.C. will be studied, with emphasis on recognition, life histories, and damage.
PREREQUISITE: For 172.

FOR 261-3 Applied Sampling - Compilations

Compilation of the field work completed in For. 291-1, developing comprehensive industrial and/or Forest Service operational cruise maps and tabulating the cruise data into a final form. A computer print-out of the cruised data is also analyzed, and applied. The Study of other forestry sampling methods and 35mm serial photography techniques completes the course.
PREREQUISITES: For 162-3, For 172-3, For 174-2, and full participation in For 291-1, Math 151. (1,3)L

FOR 262-3 Log Scaling

Covers the Scaling Act and Regulations, the sampling techniques of weight scaling, cyclic billing procedures, and waste assessment. The majority of the course deals with Interior Metric Log Scaling as practiced by the Forest Service. At the completion of the course a student can write the B.C. Forest Service Log Scaling Exam for the Interior to qualify for his scaling licence.
PREREQUISITES: For 162-3 and For 156-3, Math 151. (1,3)L

FOR 267-1 Human and Public Relations in Forestry

The essential topics in this course are the development and discussion of management and supervisory skills, methods by which the private, public and corporate structures relate to people, the media and factors affecting management-employee relations.
PREREQUISITES: Psyc 157/158, Eng. 152. (1,0)

FOR 268-1 Harvesting Management I

All forms of land tenure with emphasis on forest tenures are studied and related to bodies responsible for their administration. Forest harvesting licenses are covered in detail with regard to the forest act and regulations, together with BCFS organization, and related to harvesting requirements.
PREREQUISITE: For 267. (2,2)L

FOR 271-3 Harvesting Management I

All forms of land tenure with emphasis on forest tenures are studied and related to bodies responsible for their administration. Forest harvesting licenses are covered in detail with regard to the forest act and regulations, together with BCFS organization, and related to harvesting requirements.
PREREQUISITES: For 156, 157, 172, 174. (2,2)L

FOR 272-3 Harvesting Management II

Topics covered are organization of forest companies, contractors and their interaction with each other, the BCFS and other statuatory resource agencies. Silvicultural systems, integrated resource management, and the impact of timber harvesting on them, the land base and other resources are also covered.
PREREQUISITES: For 253, 271. (2,2)L

FOR 279-6 Harvesting Methods

This course will include the topics for For 288-3 and will introduce the student to the practical application of equipment, labour, and other resources in the harvesting option. This course will be very heavily field oriented.
PREREQUISITE: For 287-3
COREQUISITE: Second Semester Harvesting Option. (2,6)L

FOR 281-3 Forest Finance I

An overview of stock and bond marketing as related to financing business enterprise. Basics of cost, price and value are related to cost accounting, operating and financial statements. Practical examples of forest industry statements and costing methods are used throughout this course.
PREREQUISITES: Math 151-3, For 153-3, 154, 162. (2,2)L

FOR 282-3 Forest Finance II

A continuation of For 281-3 with an emphasis placed on practice of methods and concepts previously developed. Major topics are break-even determination, inventory, stumpage

appraisals critical path method, interest and discount. A logging production and cost budget with inventory flow is developed as part of the harvesting plan in For 252-3.
PREREQUISITE: For 281-3, For 261. (2,2)L

FOR 283-3 Industrial Management I

This course introduces the student to basic accounting and reporting skills, materials handling, processing systems and business management techniques applicable to the logging industry.
PREREQUISITE: For 162, 172. (2,2)L

FOR 284-3 Industrial Management II

This course introduces the student to the basics of labour and commercial law, personnel management, safety and accident prevention related to the training of first line supervisors in the logging industry. An industrial first aid course will be offered in this course
PREREQUISITE: For 283. (2,2)

FOR 285-3 Roads and Transportation I

Basic engineering design criteria applicable to the layout and construction of forest roads with special emphasis on road standards, horizontal and vertical alignment parameters, and drainage problems.
PREREQUISITES: Math 151-3, For 162-3, For 174-2, For 154, For 172, For 157. (3,3)L

FOR 286-3 Roads and Transportation II

Land and water transportation of primary forest products, the basic engineering principles of timber bridge construction and road construction techniques with emphasis on equipment application.
PREREQUISITE: For 285-3 (3,3)L

FOR 287-3 Logging I

An introduction to logging methods with emphasis on the principles and methods of logging layout, logging guide lines and their importance, safety management, budget, and cost control.
PREREQUISITES: For 162-3, 154, 157, 166, 172, 174. (2,3)

FOR 288-3 Logging II

Logging II is a continuation of the Logging I course proceeding to the effect of the cutting systems on logging methods, description of coast logging and transporation systems with a review of the logging guidelines for coastal operations. Components and maintenance of logging equipment are discussed.

PREREQUISITE: For 287-3. (2,2)

FOR 290-1 Summer Technical Report

Students entering second year will submit a technical report on their summer experience or, failing employment in the forest industry, on a subject authorized by the Forestry faculty. This assignment is due no later than September 30. Specification for the essay will be discussed with students prior to the conclusion of the first term.

PREREQUISITES: Engl 151-3, Engl 152-3. (1,0)

FOR 291-1 Applied Sampling - Special Field Project

An extensive full time eight day field project covering cruise design and procedures, and applying the latest sampling techniques. (0,4)

PREREQUISITES: For 162-3, For 172-3, For 174-2, 156, 157.

FOR 299-3 Spring Field School

Students completing the second year program will select optional projects related to their own specific interest areas. Certain projects may be mandatory. This course covers a two week period.

FRENCH

FREN 101-3 Intermediate College French, Level 5

This course consists of three parts: 1) A review of the essential structures of French grammar. 2) French conversation, 3) Exercises in comprehension of oral French. Conversation classes will be based on current social issues. The course is conducted in French.

PREREQUISITE: B.C. Grade 12 French or equivalent. (3,1½)

FREN 102-3 Intermediate College French, Level 6

This course consists of three parts: 1) Continuation of review of the essential structures of French grammar, 2) Writing practice, 3) Literary analysis. The course is conducted in French.

PREREQUISITE: Fren 101-3 or equivalent. (3,1½)

FREN 103-3 Intermediate College French, Level 3

Simple grammatical constructions and syntax are developed in the context of idiomatic French using an active audiolingual method. Selected readings in French literature form part of the material in this course.

PREREQUISITE: B.C. Grade 11 French or equivalent. (3,1½)

FREN 104-3 Intermediate College French, Level 4

A continuation of Fren 103-3.

PREREQUISITE: Fren 103-3 or equivalent. (3,1½)

FREN 131-3 Introduction to College French, Level 1

This course will provide intensive practice in pronunciation and in the essential structures of the French language. It will emphasize the development of oral proficiency and comprehension through dialogues, reading selections, oral exercises in the language lab, oral and written exercises in class and elementary conversation. (3,1½)

FREN 132-3 Introduction to College French, Level 2

A continuation of Fren 131-3. Students completing Fren 131-3 and 132-3 will be granted B.C. French 11 equivalency and will satisfy the prerequisites for admission to CNC Fren 103-3.

PREREQUISITE: Fren 131-3 or equivalent. (3,1½)

FREN 151-3 Conversational French I

An intermediate conversation course for people who have had between 2 and 4 years of secondary school French. This course will review the rudiments of the French language including pronunciation, grammatical structures, verb forms, and vocabulary using French dialogues as a starting point. Conversation based on themes and vocabularies established in the text or in class will be undertaken in one of the two weekly meetings of this course.

PREREQUISITE: 2 years Secondary School French or instructor's permission. (2,1)

FREN 152-3 Conversational French II

A continuation of Fren 151-3.

PREREQUISITE: Fren 151-3 or instructor's permission. (2,1)

FREN 201-3 Advanced College French, Level 7

Extensive conversation and dissertation will be based on a chronological survey of French literature from the middle ages to the end of the seventeenth century. There will also be a review of grammar and syntax through compositions and translations, to allow further development in this language.

PREREQUISITE: Fren 102-3 or equivalent or instructor's permission. (3,0)

FRENCH 202-3 Advanced College French, Level 8

A continuation of Fren 201-3. French literature from the 18th Century to the present forms the basis of this course.

PREREQUISITE: Fren 201-3 or equivalent. (3,0)

GEOGRAPHY

GEOG 101-3 Man's Sense of Place: An Introduction to Geography

An introduction to the development, structure, concepts, and methods of modern Geography, emphasis being given to four distinct traditions: the Man/Land, Spatial, Regional, and Cultural/Historical approaches to the discipline. (3,3)L

GEOG 103-3 Canada: Some Geographical Perspectives

The theory and concepts of "the regional method" are applied to Canada. Emphasis is given to an examination of resource development and resource policy in Canada using an historical perspective, with particular consideration given to the North. (3,0)

GEOG 113-3 British Columbia: A Geographical Interpretation

This course is an introduction to the physical environment and human occupance in an area of great geographical diversity. After examining land forms and vegetation, and the historical geography of settlement, emphasis will be given to current issues in resource development and the evolution of an urban system. A geographical interpretation of regional landscapes will be made. (3,0)

GEOG 161-3 The Physical Landscape of the Central Interior

This course, for the layman, examines the evolution of the physical landscape of the Central Interior by considering geological makeup, river basins and valleys, glaciation, and climate/vegetation. Students will be made aware of information sources by using maps, air photos, and publications in lab sessions. (1,2)

GEOG 162-3 Resources and Their Management in the Central Interior

Selected problems of environmental management will be examined from a geographer's perspective. Guest speakers will be invited to present alternative viewpoints.

PREREQUISITE: Geog 161-3. (1,2)

GEOG 163-3 Historical Geography of the Central Interior

This course explores the local history of the Central Interior from a geographical perspective. It will examine development in the region during 3 eras — those of the fur trade, the gold rush, and the railway — focussing upon changes in transportation and access, and upon the perceptions of the landscape as noted by early traders, miners, surveyors, etc. Sources of historical information will be suggested and students will be encouraged to research and present selected topics. (2,1)

GEOG 164-3 The Urban World: A Geographer's Perspective

From the earliest times, people have been fascinated by, and drawn to, towns and cities. More than 70% of Canadians are officially described as being "urban" and this percentage is increasing with every decade. This course will, through the use of lectures, films, and slide presentations, explore this phenomenon. Examples will be taken from the cities of the world, with emphasis upon the development of towns and cities in Western Canada in general and Prince George and its region in particular. (2,1)

GEOG 201-3 Weather and Climate

The major concepts in the sub-disciplines of meteorology, climatology, biogeography (vegetation and soils) and geomorphology (land forms) are introduced. Analysis will be made of processes, distributions, and interrelationships. (3,3)L

GEOG 202-3 The Surface of the Earth

A continuation of Geog 201-3.

PREREQUISITE: Geog 201-3. (3,3)L

GEOG 203-3 Economic Geography

A geographic view of economic activities and behaviour, using both a "systems" and "behavioral" approach. Traditional and more recent theories of Economic Geography will be examined in the light of these two approaches.

PREREQUISITES: Geog 101-3 and 103-3 or instructor's permission. (3,0)

GEOG 205-3 The Evolution of the Cultural Landscape

An investigation of the dynamic nature of the Man/land relationship in terms of cultural, sociological, institutional, and psychological influences upon Man's use and organization of his environment.

PREREQUISITES: Geog 101-3 and 103-3 or instructor's permission. (3,0)

GEOLOGY

GEOL 101-3 Introduction to Physical Geology

Physical aspects of geology: matter and minerals, description and classification of rocks, rock-forming processes, earthquakes and the earth's interior, structure of the crust, continents and ocean basins. Rock deformation and mountain building, continental drift and plate tectonics. Interaction of oceans and atmosphere with the solid earth: oceans and shoreline processes, weathering and soil formation, mass movement rivers, deserts, glaciers, and landscape evolution. Field trips and visits to regional mining operations are scheduled in place of some laboratory periods. (3,3)L

GEOL 102-3 Introduction to Historical Geology

A continuation of Geol 101-3, with emphasis on historical aspects: the nature, scope and methods of historical geology, geologic time, fossils and the fossil record, theories of evolution, survey of the major phyla. The origin of the solar system, early history of the earth, history of the continents and life forms with emphasis on North America, the origin of man. Man's interaction with the earth: mineral resources, resource and environmental problems.

PREREQUISITE: Geol 101-3. (3,3)L

GEOL 155-3 Basic Geology I

Basic concepts of Geology: properties and structure of minerals and crystals system; classification and properties of igneous, metamorphic, and sedimentary rocks: rock deformation, folding, faults and plate tectonics; weathering and erosional processes; Introduction to economic Geology, mineral fuels, industrial minerals, ore deposits; introduction to historical Geology; Geologic mapping. (2,2)L

GEOL 156-3 Basic Geology II

A continuation of Geology 155-3.

PREREQUISITE: Geol 155-3. (2,2)L

GEOL 161-3 Geology for General Interest

A non-technical introduction to the materials of the earth and to the processes which operate to build and to shape the earth's surface features. Included will be a discussion of geologic time and earth's history and illustrations of processes in action in the development of the scenery of the Northwest in general, and B.C. in particular. (1,2)

GEOL 171-3 Introduction to Prospecting

The identification of minerals and rocks, the nature of mineral deposits, claim staking, legal requirements, sampling and field techniques, an introduction to geochemical and geophysical techniques. (1,2)

GEOL 172-3 Advanced Prospecting

Topics covered will include: review of basic minerals and rock types, introduction to the industrial, strategic and aerospace minerals, interpretation of maps and air photos, mineralization and mineral provinces, geochemical and geophysical prospecting techniques suitable for the prospector.

PREREQUISITE: Geol 171-3, Dept. of Mines Introductory Prospecting Course, or some prospecting experience. (1,2)

GEOL 201-2 Environmental Geology

This course will consider the nature and importance of geological information in physical problems of man's interaction with his environment. Topics included are urban geology and natural hazards, pollution and geological processes, and problems associated with natural resource utilization.

PREREQUISITES: Geol 101-3 and 102-3 or instructor's permission. (2,0)

HISTORY

HIST 101-3 World History: The Early Twentieth Century

After a brief introduction to general problems of historical investigation, this course treats world history of the early twentieth century through a detailed study of one or two historical phenomena of universal significance. The First World War, the Russian Revolution, the emergence of the United States as a "superpower", the spread of nationalism, and the Great Depression represent examples of such phenomena. (3,0)

HIST 102-3 World History: The Mid-Twentieth Century

This course treats world history of the mid-twentieth century in a framework similar to that of Hist 101-3. The irrational society, the breakdown of old imperialisms, the Chinese Revolution, and the acceleration of technological development represent recent examples of historical phenomena of universal significance. (3,0)

HIST 103-3 History of Canada to 1841

After a brief introduction to general problems of historical investigation, this course examines the nature and development of two early Canadian societies: New France and British North America. The problems considered direct attention to the theme of dependence. (3,0)

HIST 104-3 History of Canada since 1841

This course extends the investigation of the theme of dependence in Canadian history to the modern period. (3,0)

HIST 201-3 Nineteenth-Century European Thought

This course examines the ideas of a series of European thinkers from the French Revolution to 1870 on politics, society, economics, religion, and science.

PREREQUISITES: History 12 or any college history course. (3,0)

HIST 202-3 Twentieth-Century European Thought

This course examines the ideas of a series of European thinkers of the modern period on politics, society, economics, religion and science.

PREREQUISITE: History 12 or any college history course. (3,0)

HIST 211-3 Local History Seminar

After an introduction to the techniques of historical research and their application in local history, each student in the seminar will create a research paper based on primary sources relating to the history of one community or area in the Northern Interior of British Columbia.

PREREQUISITES: Hist 103-3 and 104-3.

NOTE: Applicants with a long-standing interest in local history may be admitted without the prerequisite courses at the discretion of the instructor. (3,0)

MATHEMATICS

MATH 010 Whole Number Arithmetic

This course is an introduction to basic arithmetic, including whole numbers, addition, subtraction, multiplication, and division.

PREREQUISITE: Basic understanding of English

MATH 020 Basic Preparatory Mathematics

This course is a review of basic operations in whole numbers, fractions, decimals, and percent.

PREREQUISITE: A basic familiarity with our number system.

MATH 030 Intermediate Preparatory Mathematics

This course includes an introduction to the metric system, ration and proportion, roots and powers, manipulation of formulas, an introduction to algebra, and basic geometry.

PREREQUISITE: Grade 8 Mathematics or Math 020.

MATH 040 Advanced Preparatory Mathematics

This course includes a core of algebra, factoring, radicals, exponents, graphing, solution of linear, simultaneous, and quadratic equations, and formulas, plus options which include analytical or practical geometry, trigonometry, vectors, logarithms, series and progressions, and/or business topics.

PREREQUISITE: Grade 10 Mathematics or Math 030.

MATH 100-3 Precalculus Mathematics

This course includes an intensive review of algebra, followed by the Binomial Theorem, functions and relations, inverse functions, analytic geometry, the conic sections, and trigonometric functions.

PREREQUISITE: Algebra 11, Math 11 or equivalent. (4,0)

MATH 101-3 Calculus I

An introduction to the concepts, techniques, and applications of differential and integral calculus.

PREREQUISITE: Algebra 12, Math 12, Math 100-3 or equivalent.

(4,0)

MATH 102-3 Calculus II

A continuation of Math 101-3.

PREREQUISITE: Math 101-3. (4,0)

MATH 103-3 Finite Mathematics

Intended primarily for Liberal Arts and Education students who want some exposure to modern mathematical concepts. Topics will be chosen at the discretion of the instructor and may include such areas as: logic, set theory, algebraic systems, elementary number theory, matrices, linear programming.

PREREQUISITE: Math 12 (Math 11 or less with instructor's permission). (3,0)

MATH 104-3 Introduction to Statistics

Topics include descriptive statistics, elementary probability theory, probability distributions, sampling and some standard concepts and techniques of statistical inference. Applications to a wide variety of problems are emphasized.

PREREQUISITE: Algebra 11 or Math 11 or equivalent. (3,0)

MATH 109-3 Computing Science I

This is a general introductory course in Computing Science. Topics include the architecture and use of digital computers, the concepts of algorithm and program, computing systems, assembly language, and programming in a high-level language such as ALGOL, FORTRAN or PASCAL.

PREREQUISITE: Algebra 12 or Math 12 or Equivalent.

COREQUISITE: Math 101-3 or instructor's permission. (3,3)

MATH 110-3 Computing Science II

This is a continuation of Math 109-3 and includes more advanced programming with applications to numerical and non-numerical problems.

PREREQUISITE: Math 109-3.

COREQUISITE: Math 102-3. (3,3)

MATH 150-3 Basic Mathematics

A summary of basic mathematics. Topics include arithmetic operations, the use of formulas and tables, algebra, and plane geometry. Students successfully completing this course will receive the letter grade S. (3,0)

MATH 151-3 Technical Mathematics

A course designed to acquaint the student with the use of statistics in technologies. Topics include description statistics, elementary probability theory, sampling, and some of the uses of statistical inference. Applications will be directed towards the appropriate technology.

PREREQUISITE: Algebra 12, Math 12, Math 150 or equivalent. (3,0)

MATH 154-3 Mathematics of Finance

An introductory course including simple interest, simple discount, compound interest, annuities, amortization, sinking funds, depreciation, and bonds.

PREREQUISITE: Math 10. (3,0)

MATH 157-3 Introduction to Business Statistics

Descriptive statistics, statistical inference, and related topics, with special emphasis on business applications.

PREREQUISITE: Math 10. (3,0)

MATH 161-3 Medical Lab Technology Mathematics I

A fast review of algebra, linear and quadratic equations, systems of equations, function, logarithms, logarithmetic and exponential functions with applications. The use of electronic calculators.

PREREQUISITE: Math 12. (3.0)

MATH 162-3 Medical Lab Technology Mathematics II

Graphs, slopes, the derivative, techniques of differentiation, integrals, techniques, simple differential equations and med lab applications.

PREREQUISITE: Math 161-3. (3,0)

MATH 201-3 Calculus III

Vectors in two and three dimensions, vector functions and their derivatives, functions of several variables, partial differentiation, the gradient, chain rule, and implicit functions.

PREREQUISITE: Math 102-3. (3,0)

MATH 202-3 Calculus IV

Multiple integrals, vector fields, line and surface integrals, Green's theorem, complex numbers and functions, introduction to differential equations.

PREREQUISITE: Math 201-3. (3,0)

MATH 203-3 Introduction to Analysis

Elementary Logic, Induction, Sequence, limit, completeness, Continuity, Differentiability, Suprenum and Infimum. Uniform Continuity, Some Theorems of the Calculus.

PREREQUISITE: At least a "B" in Math 101-3 or 102-3. (3,0)

MATH 204-3 Linear Algebra

Vector spaces, Linear equations, Bases, Dimension, Inner Product spaces, Linear transformations and matrices, Determinants, Eigenvectors and Eigenvalues, applications.

PREREQUISITE: Math 102-3. (3,0)

MATH 215-3 Differential Equations I

First order ordinary differential equations; Nth order linear differential equations; Laplace transforms; systems of first order differential equations; applications to growth and decay, mixing heat flow, dynamics, mechanical and electrical vibrations, the two body problems.

PREREQUISITES: Math 102-3 and 204-3 (Math 201-3 recommended). (3,0)

NOTE: See also Date Processing courses listed under Electronic Data Processing.

MEDICAL LABORATORY TECHNOLOGY

MLT 151-3 Medical Laboratory Orientation I

An orientation course to familiarize the student with the atmosphere of medical laboratory technology in the hospital and private laboratory environment. The student is introduced to various principles and procedures and usage of precision instruments and equipment in current use in the medical laboratory. (3,2)L

MTL 152-3 Medical Laboratory Orientation II

A continuation of MLT 151-3.
PREREQUISITE: MLT 151-3. (3,2)

MINING

MINE 151-2 Introductory Mining I

Nature of mineral industries, brief history, classification, search for economic mineral deposits, prospecting techniques; preliminary exploration methods; terminology; evaluation; production and treatment methods; recoverable unit value, smelter contracts, evaluation, sampling methods, weighted arithmetic mean, determination of average grade, ore reserves; the 'Mineral Act'; exploitation of mineral deposits, planned systems of extraction and classification of mining methods. In addition an introduction to some unit operations in mining, e.g., drilling and haulage. (2,0)

MUSIC

MUS 101-3 Music Theory I

A music theory course designed for those with previous intruction. Covers ear-training, dictation (melodic, contrapuntal, and harmonic) analysis and harmony.
PREREQUISITES: Mus 107 and Mus 108 or Instructor's permission. (3.0)

MUS 102-3 Music Theory II

A continuation of Music Theory I - for those with previous instruction. Includes analysis, four-art harmony, continuation of counterpoint and dictation, harmonic/melodic.
PREREQUISITE: Music 101. (3,0)

MUS 103-3 History of Music I

A study of the historical development of music from the Greek period through the Baroque, with related listening and score study. Major emphasis is given to the Renaissance and Baroque periods with some correlation given to other art disciplines. (3,0)

MUS 104-3 History of Music II

A continuation of Mus 103-3, covering the development of musical forms, styles, and techniques from 1750 to present with some study of the Canadian music scene included.
PREREQUISITE: Mus 103-3. (3,0)

MUS 105-3 Music Appreciation I

An introduction to the classical music of the western world. The course will include lectures and listening sessions introducing recordings of music composers performed by leading artists. This course will centre on the definitive works of the major periods in music history. (3,0)

MUS 106-3 Music Appreciation II

A continuation of Music Appreciation I, this course concentrates on current trends in modern music.
PREREQUISITE: MUS 105-3. (3,0)

MUS 107-3 Elements of Music I

Designed for students with no previous musical instruction, this course covers the basic principles of writing and reading music from the fundamentals up to the first elements of harmony. (3,0)

MUS 108-3 Elements of Music II

A continuation of Elements of Music I including short score and full score, transposition, cadences, intervals (simple and compound) use of the dominant seventh chord; elementary harmony.
PREREQUISITIE: MUS 107-3. (3,0)

MUS 110-3 CNC Concert Band I

The CNC concert band meets for three hours of rehearsal weekly. Standard repetoire in contemporary band/wind ensemble literature are studied and prepared for public performance. The band performs concerts in each semester.
PREREQUISITE: Audition and available vacancy. (3,0)

MUS 111-3 CNC Concert Band II

A continuation of Music 110. The CNC Concert Band meets for three hours of rehearsal weekly. Standard repetoire in contemporary band/wind ensemble literature are studied and prepared for public performance. The band performs concerts in each semester.
PREREQUISITE: MUS 110. (0,3)L

MUS 112-3 CNC Stage Band I

The CNC Stage Band meets for three hours of rehearsal weekly. Standard repetoire in contemporary stage band literature is studied and prepared for public performance. The band performs concerts in each semester.
PREREQUISITE: Audition. (0,3)L

MUS 113-3 CNC Stage Band II

A continuation of MUS 112. The CNC Stage Band meets for three hours of rehearsal weekly. Standard repetoire in contemporary stage band literature is studied and prepared for public performance. The band performs concerts in each semester.
PREREQUISITE: MUS 112. (0,3)L

NURSING

NURS 150-1 Orientation to Nursing

This course is designed to assist the student in his/her role as a student nurse and a future member of the health team. (1,0)

NURS 151-8 Health: Its Maintenance and Promotion

This course has as its focus health, the means of maintaining and promoting health and simple nursing measures employed when the individual requires minimal assistance in meeting his physiological needs. Clinical experience will be provided through visits to agencies whose focus is promotion and maintenance of health and through experience in a hospital setting assisting patients whose needs for assistance are minimal, whose conditions are stable and who are able to communicate. (8,8)

NURS 152-12 The Adult with Common Interferences

This course examines the effect illness has on the adult when there is a common interference with physiological functioning and the nursing care required to assist him in meeting his needs. Clinical experience will be provided within the hospital on general medical-surgical units and through contact with community agencies
PREREQUISITES: Nurs 151-3, Bio 161-3. Sem. 2 (6,14)
Intersession 1 (10,14)

NURS 153-7 The Adult with Common Interferences (Access)

This course is specifically designed to access the Licensed Practical Nurse to the General Nursing Program and uses as its base NURS 151-8 and NURS 152-12. The focus is on the adult who has common interferences in meeting his needs. Responses to the interferences, means of assessing including drug therapy, surgical procedures, and nursing approaches are covered.
PREREQUISITE: Licensed Practical Nurse. (10,7)

NURS 160-1 Nursing, Past and Present

This course examines the historical development of nursing and nursing education and its effect on nursing today. The delivery of health care, legislation related to health care, and pertinent research studies are also discussed. The legal responsibilities of the nurse are explored.

PREREQUISITE: Nurs 150-1. (1,0)

NURS 163-5 The Child in Health and Illness (Practical Nurse Option)

This course provides an introduction to nursing care of the child. The maintenance and promotion of health of the child and the impact of illness and/or handicap on a child and his family are examined. The focus of the clinical experience is nursing care of the child who is not critically ill.

PREREQUISITES: Nurs 152-12, Bio 112-3, Psyc 162-3. (6,24)

NURS 165-5 The Expanding Family (Practical Nurse Option)

This course provides an introduction to the expanding family for the practical nurse. The emphasis is on the uncomplicated pregnancy, labour and puerperium, and the normal newborn. The focus of the clinical experience will be nursing care of the normal newborn and the uncomplicated post-partum patient.

PREREQUISITE: Nurs 152-12. (6,24)

NURS 198-2 The Practical Nurse: A Team Member

This course focuses on the role of the practical nurse in providing care to meet the needs of patients in all age groups. During the clinical experience the student participates as a nursing team member in planning, implementing, and evaluating the plan of care to meet the needs of assigned patients.

PREREQUISITES: Nurs 163-5, Nurs 165-5. (2,33)

NURS 199-1 Work Session

The work experience of four weeks is designed to assist the student to obtain a more realistic view of the role of the nurse in the delivery of care within a health care agency. The student participates as a nursing team member in assisting, planning, implementing and evaluating the plan of care to meet the needs of assigned patients.

PREREQUISITE: Nurs 152-12. Field Experience (35)

NURS 200-1 The Professional Nurse (Access)

The focus is on opportunities for the registered nurse including career, educational, and membership in professional associations.

PREREQUISITE: Nurs 160-1. (1,0)

NURS 250-2 The Professional Nurse

This course is designed to assist the student in his/her transition to the role of graduate diploma nurse. Information related to educational and career opportunities, management in nursing and nursing organizations is included.

PREREQUISITES: Nurs 160-1, 199-1. (2,0)

NURS 261-8 The Expanding Family

The impact of the childbearing experience upon the individual and the family during pregnancy, labour, delivery and puerperium and the relevant nursing care is examined. A variety of clinical experiences will be provided within the obstetrical unit of a hospital and other community agencies.

PREREQUISITES: Nurs 199-1, Bio 162-3, Psy 162-3. (8,14)

NURS 262-8 The Individual Experiencing Psychosocial Interferences

This course examines the impact that interference with psychosocial needs has on the individual and his family. Nursing care relevant to the interferences is explored. Clinical experience is provided in mental health units in hospital and in the community.

PREREQUISITES: Nurs 261-8 and 263-8 or Nurs 265-4, Nurs 267-4. (8,14)

NURS 263-8 The Child in Health and Illness

The maintenance and promotion of health of the child and the impact of illness and/or handicap on a child and his family is examined. Nursing care relevant to interferences with normal needs will be examined. Clinical experience is provided on a pediatric unit in the hospital and through other community agencies.

PREREQUISITIES: Nurs 199-1, Psyc 162-3, Bio 162-3. (8,14)

NURS 264-8 The Adult with Critical Interferences

This course examines the impact of critical interferences on the adult and his family. Nursing care relevant to the needs of the individual experiencing a critical illness is examined. Clinical experience is provided within a hospital in general medical-surgical units and in specialized areas.

PREREQUISITES: Nurs 261-8 and 263-8 or Nurs 267-4, Nurs 265-4. (8,14)

NURS 265-4 The Expanding Family (Access)

The focus is on the family during pregnancy, labour, delivery, and puerperium. The normal process is briefly reviewed with emphasis on assessment, the approaches used during the normal phases, and when complications occur.

PREREQUISITES: Nurs 153-7, Psyc 162-3, Bio 114-3. (8,14)

NURS 267-4 The Child in Health and Illness (access)

The maintenance and promotion of the health of the child and the impact of illness and/or handicap on a child and his family is examined. Assessment and approaches used to meet normal needs and adaptations when interferences occur is the focus.

PREREQUISITES: Nurs 153-7, Psyc 162-3, Bio 114-3. (8,14)

NURS 291-5 The Individual Requiring Long-term Care

The focus of this course is on the individual from any age group who requires long term nursing care to meet his physiological and/or psychosocial needs. Clinical experience is provided within an extended care facility.

PREREQUISITES: Nurs 262-8 and 264-8. (6,21)

NURS 299-15 The Nurse: A Health Team Member

This course focuses on the role of the nurse in providing care to meet the needs of patients in all age groups who require hospitilization. The clinical experience focuses on organization and the responsibilities of the nurse as a member and potential leader of the nursing team.

PREREQUISITE: Nurs 291-5. (1,34)

PHILOSOPHY

PHIL 101-3 Moral Philosopy

An introduction to philosophical analysis through the consideration of problems in moral philosophy. Examples of some topics are: "What do disagreements in moral judgement mean?" "Is there an objective basis for moral judgment?" "Is euthanasia wrong?" "Do we have obligations to future generations?" (3,0)

PHIL 102-3 Theory of Knowledge

An introduction to philosophic analysis through the consideration of problems in theory of knowledge. Questions to be discussed include: "Can we ever know anything?" "What do we know?" "How do we know?" (3,0)

PHIL 171-3 Medical Ethics and Moral Issues

This course is designed to explore issues which pose serious ethical and moral questions for health care workers. Examples to be studied include euthanasia, population control, and medical research and experimentation on human beings. (3,0)

PHIL 204-3 Practical Reasoning

This course studies the structure of reasoning, emphasizing the techniques of logical criticism and applying them to everyday argumentation. The course is helpful for all who wish to practise careful reading and criticism of arguments and for those who want to learn how to construct sound arguments. (3,0)

PHIL 205-3 Scientific Method

An examination of the scientific method and its use, and discussion of the grounds for empirical knowledge. (3,0)

PHYSICAL EDUCATION

P.E. 101-2 Basketball

An introduction to the skills, rules, offensive/defensive strategies, teaching methods and techniques of basketball. (1,2)

P.E. 102-2 Outdoor Activities

This course will provide the student the opportunity to develop proficiency in map and compass reading, orienteering, snowshoeing and wilderness skills. Students must provide a sleeping bag for winter conditions and a backpack.

P.E. 103-2 Scientific Basis of Athletic Conditioning
An analysis of the practical and theoretical concepts of athletic conditioning used in the development of general and specific training programs for games and sports will be the prime focus of this course. (1,2)

P.E. 104-2 Cross-Country Skiing
This course is an introduction to the theory, practice and teaching of the fundamental skills of cross-country skiing. This course is offered over an 8 week period. (1,5)

P.E. 105-2 Volleyball
This course is an introduction to the theory, practice and teaching of the fundamental skills of volleyball. (1,2)

P.E. 106-2 Badminton
This course is an introduction to the theory, practice and teaching of the fundamental skills of badminton. (1,2)

P.E. 107-2 Soccer
This course is an introduction to the theory, practice and teaching of the fundamental skills of soccer. (1,2)

P.E. 108-2 Minor Games
This course will cover the theory, practice and teaching of minor games. (1,2)

P.E. 110-2 Tennis
An introductory course in the skills, rules, strategy, and teaching methods and techniques of tennis. Emphasis will be on the student learning and demonstrating the skills of tennis. (1,2)

P.E. 111-2 Educational Gymnastics
This course will provide an individualized approach to movement on floor and apparatus, teaching methods and techniques. (1,2)

P.E. 112-2 Modern Rhythmical Gymnastics
This course introduces the student to individual and group exercises performed to music with and without hand equipment. (1,2)

P.E. 113-2 Folk, Square and Social Dance
This course will enable the student to acquire competence in performing a variety of dances from each category. (1,2)

P.E. 114-2 Ballroom Dance
This course introduces the student to a number of social dances, familiarizes the student with the rhythm inherent in the various social dances and allows the student to acquire a certain degree of competence in performing the dances. (1,2)

P.E. 115-2 Creative Dance
The student will acquire knowledge and skills in using bodily movement as an instrument of expression, through a qualitative blending of the time, weight, space and flow components. (1,2)

P.E. 116-2 Swimming
The student will acquire knowledge and skills in water safety, strokes, entries and survival techniques. (1,2)

P.E. 121-3 An Introduction to the Study of Sport
An introductory examination of classifications for leisure, play, games, contests, dance, and sport, together with an examination of their relationships. (3,0)

P.E. 123-3 Biodynamics of Physical Activity
An introductory examination of the mechanical, anatomical, and physiological bases of human physical performance. (3,0)

P.E. 124-3 Dynamics of Motor Skill Acquisition
An introductory examination of motor skill acquisitions, the variables which influence the learning and performance of motor skills, and the relationship between skill acquisition and growth and development. (3,0)

P.E. 203-3 Human Functional Anatomy and Applied Physiology I
This course relates the basic structure and functions of the human body and the relationship of the fundamental mechanisms of human physiology to exercise.
PREREQUISITE: P.E. 123-3. (2,2)

P.E. 204-3 Human Functional Anatomy and Applied Physiology II
This course relates the basic structure and functions of the human body and the relationship to the fundamental mechanisms of human physiology to exercise.
PREREQUISITE: P.E. 203-3. (2,2)

P.E. 222-3 Sport in Canadian Society
An historical and theoretical analysis of sports in Canadian society.
PREREQUISITE: P.E. 121-3. (3,0)

PHYSICS

PHYS 040 Advanced Preparatory Physics
Basics at a Grade 11-12 level. Topics include mechanics, electricity, magnetism, heat, wave theory, light, and sound.
PREREQUISITES: Math 030, Phys 030, or the equivalent.
COREQUISITES: Math 040 or instructor's permission.

PHYS 101-3 Introductory Physics I
Mechanics including vector, linear kinematics, circular motion, dynamics, energy, momentum, relatively, SHM, gravity, properties of matter, temperature, heat, simple kinetic theory, introductory thermodynamics.
PREREQUISITES: Math 12, Phys. 12, Algebra 12 or equivalent.
COREQUISITE: Math 101-3. (3,3)L

PHYS 102-3 Introductory Physics II
Electricity and magnatism including charges, electric field, magnetic field, electric current and circuits, light, atomic physics, nuclear reactions.
PREREQUISITE: Phys 101 (or Phys 105 with instructor's permission.
COREQUISITE: Math 102-3. (3,3)L

PHYS 105-3 General Physics I
Mechanics including linear kinematics, circular motion, dynamics, energy momentum and fluids, temperature and thermal expansion, heat, simple kinetic theory, and heat transfer. Primarily intended for students not planning further courses in the physical sciences.
PREREQUISITES: Math 11, Algebra 11 or equivalent. (3,3)L

PHYS 106-3 General Physics II
Electricity and magnetism, including charges, electric fields, magnetic fields, electric current and circuits, light, atomic physics and nuclear reactions.
PREREQUISITES: Algebra 11, Math 11 or equivalent. (3,3)L

PHYS 201-3 Thermodynamics and Waves

The topics studied include temperature, heat transfer, laws of thermodynamics, entropy and disorder, waves and sound. A series of experiments designed to demonstrate the concepts of heat and thermodynamics, and waves are included.
PREREQUISITE: Pys 105-3 or 101-3. (3,3)

PHYS 202-3 Electricity and Magnetism

Topics include Electrostatic Charges, the Electric Field, Gauses's Law, The Electric Potential, Capecitance, Current and Resistance, Electric Circuits, A.C. Circuits, the Magnetic Field, Ampere's Law, Faraday's Law. A series of experiments designed to demonstrate the concepts of electricity and magnetism, and modern physics are included.
PREREQUISITE: Phys 102-3 or 106-3. (3,3)L

PHYS 204-3 Mechanics I

A first course in mechanics for students going on in engineering and the physical sciences. Topics include vectors, statics of particles and rigid bodies, kinematics and dynamics of particles, and central forces.
PREREQUISITE: Phy 101 or Phy 105 and Math 101.
COREQUISITES: Math 201 and Math 204. (3,0)

PHYS 205-3 Mechanics II

A continuation of Physics 204-3. Topics include systems of particles, kinematics and dynamics of rigid bodies, centroids and moments of inertia, and mechanical vibrations (optional).
PREREQUISITES: Phy 204.
COREQUISITES: Math 202. (3,0)

POLITICAL SCIENCE

POSC 101-3 Introduction to Political Science I

An examination of concepts and issues in Political Science through lectures, discussions, reading, and research papers. Topics will include: power and freedom, public opinion and political behaviour, propaganda and belief systems, parties and pressure groups, democracy and participation. (3,0)

POSC 102-3 Introduction to Political Science II

An examination of theories and methods in Political Science through lectures, discussions, readings and research papers. Topics will include: scientific study of politics and questions of methodology, the nationstate and corporate power, political order and social change, mass movements, and political modernization. (3,0)

POSC 201-3 The Government of Canada

An examination of the institutions and processes of Canadian government. Analysis will be made of the Canadian social structure and political culture; parties, pressure groups and social movements; the legislative, executive, and judicial aspects of government; federalism. (3,0)

POSC 202-3 Selected Problems in Canadian Politics

A study in depth of the major issues in Canadian politics: federalism in theory and practice, nationalism and political nationality, cultural duality, separatism and regionalism, and similar issues of interest to students. (3,0)

POSC 203-3 Contemporary Ideologies

A study of the major political ideologies, such as nationalism, conservatism, liberalism, socialism, anarchism, communism, fascism, democracy, and the new left. (3,0)

POSC 204-3 Politics and Social Life

An introduction to theories and methods of political analysis and their application to the study of social, cultural, and psychological context of political behavior. (3.0)

PSYCHOLOGY

PSYC 101-3 Introduction to Psychology I

This general survey course includes topics, such as a brief history of psychology, elementary experimental design, the nervous system, sensation, perception, learning, memory, language, and thought. (3,0)

PSYC 102-3 Introduction to Psychology II

A continuation of Psyc 101-3. Topics will include intelligence and intelligence testing, personality assessment, motivation, emotion, mental health and behavioral disorders, psychotherapy, and Social Psychology.
PREREQUISITE: Psyc 101-3. (3,0)

PSYC 103-3 Human Sexuality

This course is designed to provide a basic understanding of Human Sexuality from a biological, psychological, and social perspective. Topics will include such items as anatomy, physiology of sexual responses, psychosexual development, sexual behaviour and sexual complications. (3,0)

PSYC 157-1 Industrial Psychology and Human Relations I

This course deals with selected components of psychology from the perspective of the principles involved. Topics include: communication, motivation, needs, satisfaction of needs, frustration, conflict, personality assessment, and psychological testing. (1,0)

PSYC 158-1 Industrial Psychology and Human Relations II

Industrial psychology from the perspective of the principles involved, the underlying psychological components and the ethical nature of their application. Topics covered include: social psychology, organizations, supervision and labor-management relations.
PREREQUISITE: Psyc 157-1. (1,0)

PSYC 161-3 Introductory Psychology for Nurses

An introduction to the scientific study of behaviour utilizing the developmental sequence from birth through infancy. Topics include: research methodology, structure and function of the organism, motivation, learning, theories of personality, emotional development, and intelligence. (3,0)

PSYC 162-3 Developmental Psychology for Nurses

The scientific study of behaviour from childhood through the geronto years. Topics include: personality, social motivation, intelligence testing, self concept, social behaviour, attitudes, opinions, interests, group processes, and leadership.
PREREQUISITE: Psyc 161-3. (3,0)

PSYC 201-3 Statistics for the Social Sciences

This course covers the basic principles of descriptive and inferential statistics and their application to research in the social sciences. Highly recommended for majors in the social sciences.

No prerequisite required but some students find Math 12 or the equivalent helpful. (3,3)

PSYC 202-3 Experimental Psychology

This course introduces experimental methods and designs as applied to reasearch in psychology. Focus on research in sensation, perception, learning, and motivation will serve to illustrate current developments and techniques. Highly recommended for majors in Psychology.
PREREQUISITES: Psyc 101-3 and 201-3. (3,3)L

PSYC 203-3 Dynamics of Behaviour I

The student is introduced to personality and adjustment, and reviews some theories of personality (e.g. Psychoanalysis) and conditions in life requiring adjustment (e.g. conflict). These theories are developed throughout course and pertinent research is discussed.
PREREQUISTES: Psyc 101-3 and 102-3. (3,0)

PSYC 204-3 Dynamics of Behaviour II

The students will be introduced to the study of human behaviour and adjustment within interpersonal and social situations. Some of the topics to be covered include: affiliation, liking and loving, attitude and attitude change, prejudice, conformity and compliance, aggression, alturism (helping behaviour), group structure and dynamics. The approach will be to cover major social psychological theories and research methodology as they relate to these topics.
PREREQUISITES: Psyc 101-3 and 102-3, Psyc 203-3 or instructor's persmission. (3,0)

PSYC 205-3 Developmental Psychology I

A study of the determinants of behaviour, theory, and processes of growth and maturation from the prenatal period through childhood, with emphasis on infancy and childhood periods in terms of cognitive, psychomotor, affective and connative development.

PREREQUISITES: Psyc 101-3 and 102-3. (3,0)

PSYC 206-3 Developmental Psychology II

The growth and development of the individual during adolescence, adulthood and senescence, including developmental theory as well as the factors affecting the development during these periods.

PREREQUISITE: Psyc 101 and 102. (3,0)

PSYC 207-3 Psychopathology

This course examines a wide variety of models of psychopathology (e.g. medical, dynamic, behavioural) and the causes and treatments of several behavioural disorders (e.g. anxiety disorders, somatoform disorders, schizophrenia, affective disorders, psychopathy, alcoholism).

PREREQUISITES: Psy 101 and 102. (3,0)

NOTE: Some students may find Psy 203 helpful.

PULP AND PAPER

PULP 151-3 Introduction to Forest Utilization

An introduction to the manufacture of forest products. Topics include elementary botany, identification of British Columbia commercial tree species, forest management and logging, macro- and micro-wood technology, and wood defects as they relate to lumber quality. The processing and handling of wood in preparation for lumber manufacturing: debarking, chipping, screening, conveyance, and storage. (3½,2)L

PULP 152-4 Pulp and Paper Technology

An introduction to the pulping process with emphasis on the kraft and mechanical systems. Raw material analysis includes water, fibre, and chemicals. Topics covered will include the use of the microscope as an aid to manufacturing as well as major and auxiliary items of mill equipment. The lab portion is designed to equip students to undertake summer employment in a mill-testing function. (4,3)L

PULP 153-2 Engineering Materials I

Comparison of materials of importance in pulp and paper technology including wood and wood products, concrete, metals, alloys, polymers, and ceramics. Common causes of failure in service including corrosion, wear, fatique, and embrittlement. (2,0)

PULP 154-2 Engineering Materials II

A continuation of Pulp 153-2.

PREREQUISITE: Pulp 153-2. (2,0)

RECREATIONAL COURSES

REC 151-0 Badminton

Beginning skills and the techniques of badminton. Includes singles and doubles play, instruction in the basic skills, and the rules of play.

REC 152-0 Racquetball

An introduction to the basic skills, rules and strategy of racquetball. Equipment supplied.

REC 153-0 Cross-Country Skiing

A practical introduction to the basic skills and techniques of cross-country skiing, maintenance and waxing of skis. Includes several ski tours of local cross-country trails. Equipment supplied.

REC 154-0 Dance

This program is designed to introduce the skills and enjoyment of ballroom and folk dancing. Content will include the tango, samba, fox trot, waltz, cha cha, and western style square dance.

REC 155-0 Keep Fit Class

Through the use of enjoyable exercises and games, participants will be instructed in the methods of obtaining and maintaining physical fitness. Simple pre and post fitness tests will be provided to measure improvement.

REC 156-0 Archery

Instruction in stringing, stance, target shooting, and rules.

REC 157-0 Karate

Introduction to the Japanese art of self-defence. Instruction in conditioning, exercises, stances, hand and foot blows. Beginner and advanced instruction.

REC 159-0 Beginner's Guitar

An introduction to basic cords and strumming.

REC 160-0 Disco Dancing

An introduction to the skills and enjoyment of disco dancing. All the latest steps.

REC 161-0 Advanced Racquetball

Advanced playing skills and strategies of racquetball. The course includes instruction in several advanced serves along with playing strategies using ceiling shots, drive passes, and kill shots.

PREREQUISITE: Rec 152-0 or instructor's permission.

SCIENCE

SCI 030 Basic General Science

This course is designed to aid practitioners who are involved in Physics and Geology at an introductory level. To receive credit for the course, two of these components must be taken. The two taken depend on the future goals of the student.

PREREQUISITE: Grade 7 or Level 1.

SCI 041 Study of Everyday Science

This course will involve a brief study of Biology, Chemistry, Physics and Earth Science as they affect everyday life. It is recommended only as a general interest course in science and is not a prerequisite for further science study.

SOCIAL WORK

SOWK 151-3 Social Work Methods: An Introduction to the Helping Process

This course is designed to aid practioners who are involved in human problem solving to assess and improve their skills. The course will include both a look at some of the relevant theoretical material and an opportunity to practice and experience various intervention skills. (3,0)

SOWK 201-3 Introduction to Canadian Social Welfare Policy

This course will examine the basic concepts of social policy analysis and development, the history and structure of social policy development in Canada, and several major social policy areas at the Federal and Provincial levels. The aim of the course is to provide the student with the tools to analyse a social policy statement, and to link policies to objectives, programs and legislation. (3,0)

SOWK 202-3 Introduction to the Field of Social Work Practice

This course will examine the essential purpose and concepts of social work, and the roles and tasks that social workers perform. It will emphasize the problem-solving and planned-change processes in the context of typical problems within the profession, the employing organization and the community.

PREREQUISITE: Sowk 201-3. (3,0)

SOCIOLOGY

SOC 101-3 Introduction to Sociology I

A general introduction to the philosophical and historical background of sociology; method and theory; basic concepts used in the analysis of society, such as culture and society, groups, socialization, classes, minorities, collective behaviour, and urbanization. (3,0)

SOC 102-3 Introduction to Sociology II

A continuation of Soc 101. An analysis of the structure and function of social institutions, such as the family, religious institutions, education, economic institution, political structure, and theories of social change.

PREREQUISITE: Soc 101-3. (3,0)

SOC 201-3 Sociology of Work - General

Work before the Industrial Revolution. The agricultural community and agricultural work. The "White collar" worker. The professions. Part-time and temporary work and their social and personal effects. "White collar", technical, and professional associations; their organization, goals, and social influence. Connections between work life and personal life. Socialization and work. Women and work.

PREREQUISITES: Soc 101-3 and Soc 102-3. (3,0)

SOC 202-3 Sociology of Work - Industry

Industrial workers; their life-styles, family life, neighborhoods, and communities. Industrial work groups and work forces. The one-industry town. Worker interest groups at the work place (cliques, worker associations, labor and trade unions) and in the community of nation (social influence, political parties). Crafts and trades. Women and industrial work.

PREREQUISITE: Soc 201-3. (3,0)

SOC 203-3 Canadian Society I

A detailed sociological, anthropological, and literary analysis of Canadian society, including such topics as occupations, social classes, social groups, authority and political behaviour, social stratification, and deviant behaviour. (3,0)

SOC 204-3 Canadian Society II

Sociological perspectives on social problems in modern Canadian society: issues of current social conflict and controversy in such areas as race and ethnic relations, social disorganization, politics, and national identity.

PREREQUISITE: Soc. 203-3. (3,0)

SPANISH

SPAN 101-3 Introduction to Spanish I

An audio-lingual introduction to Spanish, designed to equip the student with the basic knowledge for communicating in Spanish. (3,1½)

SPAN 102-3 Introduction to Spanish II

A continuation of Span 101-3.

PREREQUISITE: Span 101-3. (3,1½)

SPAN 151-3 Conversational Spanish

An introduction to practical conversation based on an active audio-lingual method. This course also gives the student some appreciation of the life and the culture of Latin-America and Spain. (2,1)

SPAN 152-3 Conversational Spanish II

A continuation of Spanish 151. This is a non-academic course in practical conversation.

PREREQUISITES: Spanish 151-3 or equivalent. (2,1)

SPAN 201-3 Intermediate Spanish I

A review of basic structures of Spanish and readings in Spanish and Spanish Conversation.

PREREQUISITE: Span 102-3. (3-1½)

SPAN 202-3 Intermediate Spanish II

A continuation of Span 201-3.

PREREQUISITE: Span 201-3. (3,1½)

SURVEYING

SURV 151-3 Surveying I

A study of the basic field surveying methods, notes and their interpretation. Included are the types of surveying instruments and practical use. Measuring distances, levels, traverses and other elements of plane surveying techniques used in the construction and forest industry. (1,3)

SURV 152-3 Surveying II

Continuation of Surveying I to learn the surveying techniques used in construction and forest industries with special emphasis on accurate construction surveying. This course includes a one week survey school in late April.

PREREQUISITE: Surv I (1,3)

TECHNOLOGY

TCHM 181-3 Technology Chemistry I

The course is an introduction to Chemistry for technology students. Topics covered are chemical calculations, acids, bases, chemical equilibrium and redox reactions. Lab work consists of simple qualitative and quantitative analysis.

PREREQUISITE: Chemistry 11 or equivalent.

COREQUISITE: A College Math course.

SEQUENTIAL COURSES: Chemistry 182 or 154. (3,3)L

TCHM 182-3 Technology Chemistry II

This course is for technology students and covers chemical bonding, inorganic chemistry and organic chemistry. Lab work will illustrate analytical and preparative techniques in chemistry.

PREREQUISITE: TCHM 181-3. (3,3)L

TECH 182-3 Technology Chemical Techniques

This course teaches basic techniques in sampling, weighing, moisture determination, ashing, extractions, filtration gravimetric methods and volumetric methods. Instrumental analysis and separation methods will be described, demonstrated, and practiced.

PREREQUISITE: TCHM 181-3.

COREQUISITE: TCHM 182-3. (0,3)L

TCOM 186-2 Technology Computer Applications

Applications of the computer in engineering technology; how a computer works, recognizing problems suitable for computer solution; flow charting and communicating with computer personnel. Use of **Fortran** programs to solve engineering problems with a computer. (1,2)L

TDRF 186-2 Technology Drafting

Techniques of reading and producing orthographic drawings using standard format and the development of basic skills in applying these techniques. Use of instruments, line work, geometric constructions, orthographic projection, isometric drawing and sketching, sections, and dimensioning. Involves techniques in ink, contours, intersection, developments, dip, strike and outcrop, sections, profiles, descriptive geometry, and other problems. (2,2)I

TELE 181-2 Technology Shop Practise I

Provides practical training in shop procedures, topics include safety, sheet metal, wiring, electronic components, printed circuits, distribution boxes, switch boxes, conduit, electrical code, drawings, hand tools, power tools, torch brazing and soldering.

SEQUENTIAL COURSE: TELE 182-2. (0,2)L

TELE 182-2 Technology Shop Practice II

A continuation of TELE 181-2.

PREREQUISITE: TELE 181-2. (0.2)L

TELE 183-3 Technology Circuit Analysis I

The principles and methods of analysis related to DC and single phase AC circuits. Topics include work, energy, current, voltage, power, resistance, inductance, capacitance, impedance, SI units, circuit laws, rules, and analysis methods (loop, nodal, superposition, equivalent circuit) applied to single port and two port networks; resonant circuits; transients in inductive and capacitive circuits. The lab portion of the course provides practice in the use of power supplies, function generators, mulimeters, oscilloscopes, and various circuit components. (3,3)L

TELE 184-3 Technology Circuit Analysis II

A continuation of TELE 183-3.

PREREQUISITE: TELE 183-3. (3,2)L

TELE 188-3 Technology Electronic Circuits

Teaches how electronic circuits work, how to analyze them numerically and how to design, modify and combine them to perform complex functions. Topics include transistors, tubes, voltage and current amplifiers, loadline analysis, choice of Q-point, bias circuits, stability, AC equivalent circuits, interstage coupling and frequency response, feedback, oscillation, low frequency power amplifiers of various types, heatsinking, uni-junction transistors, thryristors, and field-effect transistors.

PREREQUISITE: TELE 183-3.

COREQUISITE: TELE 184-3. (3,3)L

TENS 181-3 Technology Environmental Science

An introductory course to pollution measurement and control techniques.

PREREQUISITES: Chem 11 or equivalent. (2,1½)L

TFOR 181-4 Technology Forest Utilization

An introduction to the manufacture of forest products. Topics include elementary botany, identification of British Columbia commercial tree species, forest management and logging, macro- and micro-wood technology and wood defects as they relate to lumber quality. The processing and handling of wood in preparation for lumber manufacturing debarking, chipping, screening, conveyance and storage. (4,3)L

TGEO 181-2 Technology Mining I

Nature of mineral industries, brief history, classification, search for economic mineral deposits, prospecting, preliminary exploration, terminology, evaluation, production and treatment methods, recoverable unit value, smelter contracts, evaluation, sampling, weighted arithmetic mean, average grade, ore reserves, "Mineral Act", exploitation of deposits, systems of extraction and mining methods. Introduction to some unit operations in mining. (2,0)

TGEO 182-2 Technology Mining II

A continuation of TGEO 181-2.

PREREQUISITE: TGEO 181-2. (2.0)

TGEO 183-3 Technology Geology I

Physical aspects of geology: matter and minerals, description and classification of rocks, rock-forming processes, earthquakes and the earth's interior, structure of the crust, continents and ocean basins. Rock deformation and mountain building, continental drift and plate tectonics. Interaction of oceans and atmosphere with the solid earth: oceans and shoreline processes, weathering and soil formation, mass movement rivers, deserts, glaciers, and landscape evolution. Field trips and visits to regional mining operations are scheduled in place of some laboratory periods. (3,3)L

TGEO 184-2 Technology Geology II

A continuation of Technology I

PREREQUISITE: TGEO 183-2. (3,0)

TGPY 182-3 Technology Geophysics

Introduction to geophysical methods of mineral exploration and development. (3,0)

TMAN 182-2 Technology Operations Management

Management problem solving and work simplification with particular application to the natural gas and petroleum industry. Includes method study, some measurement techniques, plant layout, planning and scheduling. (2,0)

TMAT 181-2 Technology Engineering Materials I

Comparative properties of metals, alloys, polymers, concrete, wood, plastics and ceramics. (2,1½)L

TMAT 182-2 Technology Engineering Materials II

Testing of materials, non-destructive, microscopy, photomicrography, and photography.

PREREQUISITE: TMAT 181-2. (0,2)L

TMES 186-2 Technology Electrical Measurements

Teaches the principles and methods of measuring quantities encountered in the electrical industry. Topics include definitions, units, standards, safety, transducers; instruments for voltage, current, power, impedance, frequency, phase angle, decibels, Q, distortion, pressure, and temperature.

PREREQUISITE: TELE 183-3.

COREQUISITE: TELE 184-3. (2,2)L

TMTH 181-3 Technology Mathematics I

Algebra. logarithms and exponentials, euclidean and analytical geometry, plan and spherical trigonometry to include vectors and complex numbers, and linear equations.

PREREQUISITE: Algebra 12, Math 12 or equivalent. (3,2)L

TMTH 182-3 Technology Mathematics II

Ordinary and partial derivatives; Fourier, Taylor, MacLaurin and Infinite Series; First and second order differentials; definite and multiple integrals and conic sections.

PREREQUISITE: TMTH 181-3. (3,2)L

TPET 181-3 Technology Petroleum Hydrocarbons

Hydrocarbon families, alkanes, olefins, ring molecules, isomers, Hydrocarbon content of crude oils and classification. Phase behaviour of petroleum hydrocarbons at high pressures.

PREREQUISITE: Chem 11 or equivalent. (3,0)

TPGE 182-3 Technology Petroleum Geology

Origin of petroleum, Historic and structural geology of reservoirs. Well logging. Construction of isopach and isochore sub-surface maps. Porosity and permiability of rocks. Petroleum geology of Western Canada.

PREREQUISITE: TGEO 183-3. (3,0)

TPHY 181-3 Technology Physics I

The first of two continuous course to cover statics, dynamics, momentum, force, kinematics, angular motion and momentum, friction, energy, power, mechanics, simple machines, properties of solids and fluids, fluid mechanics, waves and vibration, sound, optics, thermal properties of matter, thermal energy, basic electricity and magnetism, atomic and nuclear phenomena.

PREREQUISITE: Physics 11 or equivalent.

COREQUISITE: TMTH 181-3. (3,3)L

TPHY 182-3 Technology Physics II

A continuation of Technology Physics I.

PREREQUISITE: TPHY 181-3.

COREQUISITE: TMTH 182-3. (3,3)L

TOLO 182-2 Technology Machine Tools

A basic course designed to familiarize the student with shop tools and equipment and with shop terminology and established standards of workmanship. Demonstrations are carried out to provide a practical understanding of the subject. (2,0)

TPTP 182-4 Technology Pulp and Paper

An introduction to the commercially important pulping process with the emphasis on the kraft and mechanical systems. Raw material analysis includes water, fibre and chemicals. The use of the microscope as an aid to manufacturing is covered. Major and auxilliary items of mill equipment will be covered. The lab portion of the course is designed to equip students to undertake summer employment in a routine mill-testing function.

PREREQUISITE: TFOR 181-4. (4,3)L

TSUR 184-2 Technology Hydrology

Introduction to concepts of precipitation, drainage, runoff, regimes. Application of precipitation data to various runoff areas is learned in order to predict runoff yield and flood magnitude. Measurement of storages and flows in the field is studied together with characteristics of pen channel flows. (1,2)L

TSRY 182-2 Survey Introduction (Mining)

Fundamental concepts of surveying; measurement of distances, use of compass, theodolites, plane tables, levels and chains, site surveys. Calculations relating or traverses, triangulations, areas and volumes: obtaining, recording, and plotting topographic detail. Care, maintenance and adjustment of equipment. (1,2)L

TSRV 183-5 Technology Surveying I

Types of survey; fundamental principles, accuracy and precision; linear measurements, trigonometric and differential levelling; angular measurement by theodolites; plane table, computations and adjustments of traverses, determination of areas and volumes; tacheometry.

PREREQUISITE: Algebra 12, Math 12 or equivalent.

SEQUENCIAL COURSE: TSRV 186-5. (4,6)L

TSRV 186-5 Technology Surveying II

A continuation of Technology Surveying I. Maintenance and adjustments of surveying equipment; circular curves; reserve curves; transition curves; eccentric angular and linear observations; resection; intersection; inaccessible base.

PREREQUISITE: TSRV 183-5. (3,6)L

TWOR 182-1 Technology Laboratory Workshop

Instruction in basic workshop techniques; including glass blowing, soldering, brazing, and gas welding. Use of hand and bench tools. (0,1½)L

COLLEGE BOARD - February 1981

SCHOOL BOARD APPOINTEES

K. Moffat - School District No. 28 (Quesnel)
W. Gilgan - School District No. 55 (Burns Lake)
C. H. Stephen - School District No. 56 (Nechako)
A. Howard-Gibbon - School District No. 57 (Prince George)

GOVERNMENT APPOINTEES

G. Barr - Quesnel
D. Flynn - Prince George
R. W. Stewart - Prince George

ADVISORY COMMITTEES

Many programs at CNC have Advisory Committees comprised of interested and knowledgeable members of the community and College personnel. The purpose of these Committees is to review curriculum and program standards to ensure that the students will receive the best possible education with an eye towards seeking meaningful employment upon graduation.

LAKES DISTRICT REGIONAL ADVISORY COMMITTEE

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N. Plesway
D. Eicher
B. Haggerty
D. Frame

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E. Pecholuk
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B. Green
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A. Davis
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CONSTRUCTION TECHNOLOGY ADVISORY COMMITTEE

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D. Hodgson - Botting and Associates
J. Deen - Acme Masonry Limited
A. Dumas - CNC
D. Boult - Tidy Insulators Ltd.
W. Watson - Wayne Watson Construction
E. Wormsbecker - Architect
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G. Lippke - Caldon Painting Ltd.
D. Dennis - D.C. Dennis Engineering Ltd.

DATA PROCESSING ADVISORY COMMITTEE
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C. Tordiffe, I.F.S.
D. Boughey - Northwood
M. Shawn - City of Prince George
R. Snow - P.G. Pulp and Paper Ltd.
V. Steblin - Duchess Park Secondary School
B. Miller - Northwood Pulp

DENTAL HEALTH PROGRAM ADVISORY COMMITTEE
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D. Hodges - Lakewood Dental Group
B. Malcolm - Independent
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H. MacDonald - Dr. Aitchen's Office
M. A. Hayes - Northern Interior Health Unit
E. Spurlock - Lakewood Dental Group
L. Backman - CNC
W. Bellamy - Quesnel
M. Rivera - Lakewood Dental Group

DRAFTING ADVISORY COMMITTEE
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C. Chan - B.C. Telephone (possibly new representative)
V. Swanson - Department of Highways (possibly new representative)
N. Glass - B.C. Forest Service
S. Ross - Architect
G. Webb - P.G. Pulp and Paper Ltd.

EARLY CHILDHOOD ADVISORY COMMITTEE
D. Glassel - Prince George Day Care Society
C. Wiegand - Spruceland Parent Participation Nursery School
A. Martin - Child Development Centre
C. Miller - Ministry of Human Resources
K. Byrd - Quesnel Day Care Society
S. Abdel - Al - Fraser Lake Playschool
J. Reis - Mackenzie Day Care Society
G. Fensom - School District #57
P. Martinson - Northern Interior Health Unit
R. Thompson - B.C. Preschool Teachers Association

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A. Rynsewyn - Q.M. Industries
L. Karjaluato - Northern Steel Ltd.
B. Dewick - Prince George Fabricating and Engineering Ltd.
W. Rischmueller - Prince George Fabricating and Engineering Ltd.
P. Dyck - Muirhead Machinery Ltd.
B. Johnston - Canada Employment and Immigration Center

FOOD PREPARATION ADVISORY COMMITTEE
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C. Axelson - Hotel, Restaurant, Culinary and Bartender's Union
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G. Felgenhaur - Simon Fraser Inn
F. Kollner - Restaurant and Food Services Association of B.C. & Yukon
G. Burns - Canada Employment Centre
D. Magee - PGSS Cooking Instructor
F. Corazza - Woodwards Store Bakery
A. McKilligan - Apprenticeship & Industrial Training
J. Falsen - Yellowhead Inn
M. Wilson - CNC
O. Mcleod - Bib & Tucker
F. Meyer
J. Conclaves - Northwood Pulp
B. Beninger - Northwood Pulp
G. Morrison - Co-ordinator of Curriculum. Development and Implementation
H. Rosenlehner - Vienna Schnitzel Restaurant
O. Arrow - Simon Fraser Inn
A. Erasmus - Co-ordinator of School Operations (S.D. #57)
K. Ho - Peking Corner Restaurant
John Pope - Manager - Inn of the North
B. Smith
L. Roger - P.G.S.S.
G. Vickery - Manager Esther's Inn
Dietician - Prince George Regional Hospital
G. Proppe - Pub Cafe
B. Smith - Tradewinds

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G. Richard - Babine Forest Products
T. Hawkins - B.C. Forest Service
R. Dunsmore - CNC
C. Winther - East Fraser Logging Ltd.
A. Nevison - Industrial Forest Service Ltd.
C. Johnson - B.C. Forest Service
D. Parker - Lakeland Mills Ltd.
M. England - Netherland Overseas Mills Ltd.
T. Harding - B.C. Forest Products
A. Strimbold - A. E. Strimbold Ltd.
E. Marples - Takla Logging Co. Ltd.
V. Scoffield - N. Interior Lumber Sector, Council of Forest Industries
D. Frood - Rustad Bros. Co. Ltd.
J. Newman - Weldwood of Canada Ltd.

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R. Beech - Prince George Mack Truck Ltd.
E. Schultz - Prince George Truck & Equipment Ltd.
N. Boyes - Union Tractor (P.G.) Ltd.
V. Perry - Cypress Equipment Co. Ltd.
L. Dennison - Takla Logging
R. Lofting - McDermid & Lofting (1967) Ltd.
R. Reimche - Ministry of Highways
N. Stewart - Place Development Ltd., Endako

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T. Dolnik - P.G.R.H.
B. Jones - P.G.R.H.
M. Moffat - B.C.S.M.T. Representative
R. Rice - Cariboo College
J. Sawka - P.G. Medical Laboratory
T. Law - P.G.R.H.

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Mrs. Elizabeth McGillivray
Mr. Wallace Moffat
Mr. Brian Lillos
Mr. Garry Hartley
Mr. Norman Bakehouse
Ms. Cynthia Dowse

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K. Green - G.R. Baker Memorial Hospital (Quesnel)
L. Toneatto - St. John Hospital (Vanderhoof)
E. Sparks - Prince George Regional Hospital
M. Applegate - CNC
G. Sinclair - CNC
T. Williams - St. John's Ambulance
A. Mooney - Vanderhoof

M. Luttrell - Long Term Care Administrator
M. Mollard - Prince George Regional Hospital

AID PROGRAM ADVISORY SUB-COMMITTEE
(a subcommittee of the Nursing Advisory Committee)
K. Billington - Prince George and District Homemaker's Service Society
P. Bawtinheimer - Prince George and District Homemaker's Service Society
N. Keats - Vanderhoof Homemaker's Society
M. Luttrell - Long Term Care Administrator
J. Mooney - Prince George Regional Hosptial
D. O'Neill - Dunrovin Park (1974) Society
J. Bowers - Simon Fraser Private Hospital

REFRESHER NURSING ADVISORY COMMITTEE
(a subcommittee of the Nursing Advisory Committee)
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M. Mohr - Prince George Regional Hospital
L. Toneatto - St. John Hospital (Vanderhoof)
M. Mollard - Prince George Regional Hospital

NATIVE PEOPLES ADVISORY COMMITTEE
M. Alfred - Morristown Band
E. John - Prince George Friendship Centre
S. Patrick - Lakes District Education
R. Pierre - Carrier Language Committee
L. Prince - Stewart-Trembler Band
C. Euvermann - Lakes District Education Committee/Indian Friendship Centre
G. Cornwall - Department of Indian Affairs
A. Patrick - School District #56 Co-ordinator
L. Pierre - N.I.T.E.P.
A. Prince - Necoslie Band
P. Turner - United Native Nations
T. Lorrent - Nazko Band

SECRETARIAL PROGRAM ADVISORY COMMITTEE
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Mr. Harry Yates, Prince George Pulp and Paper
Mrs. Rita Mitchell - Public Service Commission
Mr. Al Husband - Prince George Regional Hospital
Ms. Fran Dobell - B.C. Telephone
Mr. Bruce Johnson - Canada Manpower
Ms. Dawn Miller - School District #57
Ms. Josephine Buckle - Prince George City Hall
Mr. Bob McFarlane - Deloitte Haskins and Sells
Mr. Bill Opdahl - CJCI Radio
Ms. Patricia Elliott - Finning Tractor

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B. Linden - Linden Welding & Fabricating Ltd., Quesnel
J. Hunter - P.G. Pulp and Paper Ltd.
T. Smith - Q.M. Industries
E. Mercier - Atlas Aluminum Welding Ltd.
L. Palmer - Farr Fabricating Co. Ltd.
J. Wynne - Plumbers, Pipefitters & Steamfitters Loc 170
T. Mogenson - International Woodworkers of America

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G. Lazzarin - Quesnel
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K. Conroy - CNC
K. Soppit - Mackenzie
D. Olafsson - Valemount
A. Campbell - Vanderhoof
V. Winthrope - Prince George

FACULTY AND ADMINISTRATION

R. Adams	B.A., M.A.	Area Director, Mackenzie
J. Allgaier	B.A., M.A.	English
D. Anderson	B.Sc.	Dean of Instruction
L. Anderson	I.D.	Welding
C. Andrew	B.Sc.N., M.Ed.	Nursing
M. Applegate	R.N.,B.Sc.N.	Nursing
J. Backhouse	A.L.A.	Regional Librarian
L. Backman	C.D.A.	Dental Assisting
M. Baehr	B.A.,I.D.	Office Administration
C. Bardal	B.S.F., R.P.F.	Forest Resource Technology
M. Barrena	B.A., M.A.	Spanish
C. Beatty	E.C.E. Diploma, B.A.	Early Childhood Education
G. Bebault	B.Sc., Ph.D.	Chemistry
N. Berry	B.Ed.	A.B.E. Instructional Rehabilitation
S. Berry	Telecommunication & Electronic Dip.	Audio Visual Manager
R. Bircher	I.D., 1st Class P.E., J.I.I.M	Power Engineer
D. Blacker	I.D., T.Q.	Millwright
J. Blake	B.Comm., M.B.A., C.A.	Bursar
W. Blits	I.D., T.Q., H.D.M. Voc. Instr. Cert.	Heavy Duty Mechanics
W. Broeksma	I.D.,T.Q., 2nd Cls. E.D., 3rd Cls. P.E.	Millwright
S. Burgess	I.D.	Heavy Equipment Operator
M. Chapman	R.N., B.Sc.N.	Nursing
E. Cinits	B.Sc., M.Sc.	Director, Natural Sciences
J. Cioe	B.A., M.A., Ph.D.	Psychology
A. Clark	Computer Technician Diploma	Data Processing
J. Connors	B.Sc.	ABE Mathematics & Physics
W. Conrod	B.Sc., M.A.	Dean, Continuing Education
K. Conroy	B.A., M.A., M.S.W.	Counsellor
A. Copeland	B.Sc.	Electronic Technology
J. Covay	B.A.,M.A.	Modern Languages
M. Croken	R.N., I.D.	Nursing
J. Crow	B.Sc., Ph.D.	Chemistry
A. Cunningham		Falling & Bucking
A. Danesh	B.A., M.A.	Political Sc./Sociology
K. Dawson	I.D.	Regional Director, Vocational Programs CABES
S. Delaney		Exec. Sec. to Principal
B. Dickens	B.S.F., R.P.F.	Forest Resource Technology
H. Dockrill	C.D.A.	Dental Assisting
A. Dumas	B.Sc., P.Eng.	Construction Technology
R. Dunsmore	B.S.F., M.F.	Forest Resource Technology
P. Elliott	Forest Technology Dip.	Forest Resource Technology
E. Epp	B.F.A., M.A.	Art
J. Fabricant	B.A., M.S.	Early Childhood Education
E. Faulkner	B.Sc., M.Sc., Ph.D.	Geology
S. Fefferman	B. Comm., M.A.	Economics
J. Forster	1st Class Ticket Stationary Eng.	Power Engineering
C. Fortin	I.D.	Welding
W. Garrett	B.A., M.A., Ph.D.	Director, L.A. & S.S.
J. Gattrell	B.A., M.L.S.	Reader Services Librarian
M. Gee	B.Ed.,Comm.Cert., F.T.M. Dip.	ABE English & Math.
E. Genser	B.Ed., M.Ed.	Art
J. Gillespie	B.S.F., R.P.F.	Forest Resource Technology
R. Goode	Arch. Tech.	Bldg. Services Manager
R. Goudie	Inter-Prov. Auto Mechanic, T.Q.	Automotive
R. Green	B.Comm., C.C.	Office Administration
K. Hamming	B.Sc.	Manager, Data Processing
J. Harris	B.A., M.A., Ph.D.	English
L. Hays	R.N., B.Sc.N.	Nursing
G. Heinzmann	R.N., I.D.	Nursing
E. Hutchings	Ph.D., B.C. Secondary Teaching Cert.	Mathematics
G. Ingalls	B.A., M.A.	Philosophy

R. Insley	B.Sc., M.Sc.	Mathematics
G. Jackson		ABE English
C. Jarosh	B.S.A., M.Sc.	Biology
J. Jensen	I.D., Inter-Prov. 1st Class Elect.	Electrical
E. Kahlke	B.Sc.	Personnel Assistant
J. Keefe	I.D.	Forest Resource Technology
G. Kerns		BCIT/CNC Liaison
H. Klassen	B.Sc.	Area Director Vanderhoof
P. Kolbuc		BJRT
C. Langley	D. Tech.	Technology Surveying
C. Lee	B.A., M.Sc., Ph.D.	Mathematics
M. Lee	B.Sc., Ph.D.	Biology
P. Leweke	B.Sc.N.	Nursing
F. Leonard	B.A., M.A.	History
A. Leveridge	Dip. Tech., C.I.M., C.D.P.,D.P.M., M.Sc.	Bus./Data Processing
F. Long	B.A., B.Ed.	Area Director Burns Lake
J. L. MacNeil	B.A., B.Ed., Ed.D., M.Ed. Counsel	Dean Student Services
J. Maguire		Manager, Bookstore
R. Maides		Public Relations Officer
R. Maida	B.A., M.Sc.	Counsellor
B. Malcolm	B.Sc., M.Sc.	Chemistry
R. Martin	I.D.	Welding
C. McCaffray		Principal
E. McCue		Exec. Sec. To Bursar
T. McDonald	B.Sc., M.A.	Psychology
J. McGillvray	R.N., B.Sc.N.	Nursing
B. McKinnon	B.A., M.A.	English
D. McNeill	C.G.A.	Business Administration
J. A. McVey	M.A., (Hons.)M.A.	Geography
M. Mingay	I.D., T.Q. Electricians	Electrical
S. Moores	R.N., B.Sc.N.	Nursing
V. Nau	B.Sc.	ABE Chemistry
G. Neelin	B.A.	Area Director Robson Valley
R. Nelson	B.Sc., M.Sc., Ph.D.	Physics
R. Nelson	B.A. (Bus.Admin.) R.I.A.	Assistant Bursar
Y. Nomura	B.S., M.Sc.	Mathematics
F. Nordin	I. D.	Office Administration
E. Peacock	I.D.	Drafting
B. Pertriw	B.N.	Nursing
K. Plett	B.A., M.L.Sc.	Librarian
J. Pooley	B.Sc.	Office Administration
G. Powers	I.D., T.Q.:AutoMech.	Director, Trades
D. Precosky	B.A., M.A.	English
P. Ramsey	B.A., M.A.	Director, ABE
I. Reaugh	I.D.	HEO/Logging
E. Ritch	B.Sc., M.Ed.	ABE Biology
P. Roberts	B.P.E., M.Ed.	Counsellor
P. Robinson	B.Comm., M.B.A.	Director, Business and Industrial Technology
D. Rubadeau	B.A., M.S., Ph.D.	Psychology
W. Rush	B.Comm.	ABE Math
R. Ryan	B.Comm.	Business Administration
T. Sawtell	B.A., M.Ed.	Study Skills
L. Schmidt	R.N., B.A.	Nursing
K. Sedgwick	B.A., M.A.	Geography
P. Seens	B.A., M.A., M.L.Sc.	Director, Resource Centre
S. Shaffer	B.A., M.A.	English
G. Sinclair	R.N., B.Sc.N.	Director, Health Sciences
G. Sipos	B.A.,M.A., B.C. Teach. Cert.	English
J. Sketchley	Voc. Inst. Cert.	Preapprentice: H.D.M.
B. Slade		Manager, Financial Planning
F. Snaychuk	I.D.	H.D. Operator
D. Snider	Dip. Tech., C.E.	P.I.T.C.
T. Stageberg	B.S.Ed., M.Ed.	Study Skills
D. Sterns	B.S.F.	Forest Resource Technology
L. Steneker		Purchasing Agent
R. Stevenson	B.A., M.S., Ph.D.	Biology
K. Stratton	B.Mus., M.Mus.	Music
N. Tarrant	C.D.A.	Dental Assisting
R. Taylor	T.Q.	Millwright
W. Taylor	I.D., T.Q.:H.D.M. & Auto.	Apprentice: H.D.M.
B. Thair	B.A., M.A., Ph.D.	Biology
J. Therres	I.D., 1st Class Stationary Eng.	Power Engineering
R. Thorsen	B.P.E., M.P.E.	C-ordinator, Athletics/ Recreation
G. Tyndall	B.Sc., M.A.	Psychology
P. Usher	B.P.E., M.P.E.	Physical Education
E. Vasseur	I.D.	Office Administration
R. Watters	B.A.Sc., P.Eng., R.P.F.	Forest Resource Technology
D. Wharrie	Business Administ. Diploma	Manager, Continuing Education
H. Williams	B.A., M.A.	Academic Upgrading
M. Wilson	Chef de Cuisine	Manager, Food Services
L. Winthrope	Business Adminst. Diploma	Personnel Manager
G. Wood	C.A.	Business Administration
D. Worden	B.A.Sc., M.A.Sc.	Mathematics

CNC TRANSFER EQUIVALENCIES

C.N.C.	S.F.U.	U.B.C.	U.VIC
Anth 101	S.A. (3)	Anth (1½)	
	S.A. 270 (3) / S.A. (3)		Anth 100 (3)
Anth 102	Arc (3)	Anth (1½)	
Anth 103	Anth (3)	(Pending)	Anth (3)
Anth 201 *	S.A. 170 (3)	Anth 200 (1½)) Anth	Anth 200 level (1½)
Anth 202 *	S.A. (3)	Anth 200 (1½)) 200 (3)	Anth 200 level (1½)
Art 101 *	Visual Art (3) Studio	†	Art 100 (3)
Art 102 *	Visual Art (3) Studio	†	
Art 103	Art History (3)	Fine Arts 125 (3)	H.A. 120 (3)
Art 104	Art History (3)		
Art 163	Visual Art (3) Studio	-	-
Art 164 *	Visual Art (3) Studio	-	-
Art 165 *	Visual Art (3) Studio	†	Art 200 (3)
Art 166 *	Visual Art (3) Studio	† † Any Two	
Art 171 *	Visual Art (3) Studio	† Fine Arts	Art 220 (3)
Art 172 *	Visual Art (3) Studio	† 181 (3)	
Art 173 *	Visual Art (3) Studio	†	Art 240 (3)
Art 174 *	Visual Art (3) Studio	†	
Art 177	Visual Art (3) Studio	Fine Arts 181 (3)	Art 230 (3)
Art 178	Visual Art (3) Studio		
Astr 101 *	Astron (3)	Science (1½)	Astr 120 (3)
Astr 102 *	Astron (3)	Science (1½)	
Bio 101	BiSc 101 (3)	Biol 101 (3) OR	Biol 150 (3)
Bio 102	BiSc 102 (3)	Biol 102 (3†	
Bio 103 *	BiSc 101 (3)	Biol (1½) Biol (3)	Biol 150 (3)
Bio 104 *	BiSc 102 (3)	Biol (1½)	"B" or above
Bio 111	BiSc (3)	Biol (1½)	Biol 100 level (1½)
Bio 112	BiSc (3)	Biol (1½)	Biol 100 level (1½)
Bio 121	BiSc (3)	Biol (1½)	Biol 100 level (1½)
Bio 122	BiSc (3)	Biol (1½)	Biol 100 level (1½)
Bio 181 *	Biol (3)	Botany (1½)	Biol 200 level (1)
Bio 182	BiSc (3)	No credit for students in Life Science Dept.	
Bio 201	BiSc 201 (3)	Biol 200 (1½)	Biol 200 (1½)
Bio 202 *	BiSc (3)	Biol 201 (1½)	Bioc 200 (1½)
Bio 203	BiSc 204 (3)	Ecology 2nd Year (1½)	Biol 306 (1½)
Bio 204	BiSc 202 (3)	Genetics 2nd Year (1½)	Biol 300 (1½)
Bio 205	BiSc (3) BiSc 303 (3)	Micr 200 (3)	Micr 200 level (1½)
Bio 206	BiSc (3) BiSc (3)		Micr 200 level (1½)
Bio 207	BiSc (3)	Zool 203 (1½)	Biol 207 (1½)
Bio 208	BiSc 203 (3)	Zool (1½)	Biol 200 level (1½)
Bio 209	BiSc 326 (3)	Botany 209 (1½)	Biol 203 (1½)
Bus 274		Com 120 (1½)	
Chem 101 *	Chem 105 (3)	Chem 120 (3)	Chem 120 (3)
Chem 102	Chem 104 (3)		
Chem 103 *	Chem (3)	Chem 110 (3)	Chem 120 (3)
Chem 104 *	Chem (3)		
Chem 201	Chem 261 (3)	Chem 205 (3) OR	Chem 200 level (1½)
Chem 202 *	Chem 232 (3)	Chem 210 (3)	Chem 200 level (1½)
Chem 203 *	Chem 251 (3)	Chem 203 (3) OR	Chem 230 (3)
Chem 204 *	Chem 252 (3)	Chem 230 (3)	

C.N.C.	S.F.U.	U.B.C.	U.VIC
Hist 101	Hist (3)	Hist 125 (3) OR	Hist 242 (3)
Hist 102	Hist (3)	Hist (1½) for one	
Hist 103	Hist 101 (3)	Hist 135 (3) OR	Hist 230 (3)
Hist 104	Hist 102 (3)	Hist (1½) for one	
Hist 201	Hist 224 (3)	Hist (1½)	Hist 200 level (1½)
Hist 202	Hist 225 (3)	Hist (1½)	Hist 200 level (1½)
Hist 211	Hist (3)	Hist (1½)	Hist 200 level (1½)
Math 100	Math 100 (3)	Math 111 (3) (1½) in Faculty of Science	Math 012 (0)
Math 101	Math 151 (3)	Math 100 (1½)	Math 130 (3) OR Math 100 (1½) and Math 101 (1½)
Math 102	Math 152 (3)	Math 101 (1½)	Math 151 (1½)
Math 103 *	Math (3)	Math 203 Math (1½) 130 (3) or Math 203 (1½) plus (1½)	Math 100 level (1½)
Math 104 *	Math 101 (3)		
Math 109 *	Cmpt 105 (3)	C.Sc. 101 C. Sc.	C.Sc. 170 (1½)
Math 110 *	Cmpt 103 (3)	C.Sc. 200 115 (3)	C.Sc. 171 (1½)
Math 201	Math 251 (3)	Math 200 (1½)	Math 200 (1½)
Math 202	Math 252 (3)	Math 201 (1½)	Math 102 (1½)
Math 203	Math 242 (3)	Math 220 (1½)	Math 200 level (1½)
Math 204	Math 232 (3)	Math 221 (1½)	Math 110 (1½)
Math 215	Math 310 (3)	Math 315 (1½)	Math 200 level (1½)
Mus 101			Music 100 level (1½)
Mus 102 (pending)			
Mus 103	Mus History (3)	Mus 120 (3)	Mus 110 (3)
Mus 104	Mus History (3)		
Mus 105/106	-	Mus 326 (1½)	Mus 115 (1½)
Mus 107/108 *	-	Music (1½) each	-
Mus 110	-	-	Music 180 level (1)
Mus 111 (pending)	-	-	
Mus 112	-	-	Music 100 level (1)
Mus 113 (pending)	-	-	
Phil 101	Phil 120 (3)	Phil 100 (3)	Phil 100 (3)
Phil 102	Phil 100 (3)		
Phil 204	Phil 210 (3)	Phil (1½)	Phil 202 (3)
Phil 205	Phil (3)	Phil (1½)	
PE 101	-	PE 210 (1)	PE 120 (½)
PE 102	-	PE 222 (1)	PE 100 level (½)
PE 103	-	PE 203 (1)	PE 115 (½)
PE 104	-	PE (1)	PE 100 level (½)
PE 105	-	PE 219 (1)	PE 122 (½)
PE 106	-	PE 220 (1)	PE 116 (½)
PE 107	-	PE 216 (1)	PE 121 (½)
PE 108	-	PE 218 (1)	-
PE 110	-	PE 226 (1)	PE 117 (½)
PE 111	-	PE 201	PE 100 level (1½)
PE 112	-	PE 204	PE 110 (½)
PE 113	-	PE 240	PE 109 (½)

C.N.C.	S.F.U.	U.B.C.	U.VIC
Com 110		Com 110 (1½)	
Com 120		Com 120 (1½)	
Com 201	Comm 222 (3)	Comm 151 (1½)	Comm 151 (1½)
Com 202		Com 153 (1½)	
Com 207	Math (3)	Com 211 (1½)	Math 200 level (1½)
Com 208	Math (3)	Com 212 (1½)	Math 200 level (1½)
Econ 101	Econ 100 (3)	Econ (1½)	Econ 100 level (1½)
Econ 102	Econ 101 (3)	Econ (1½)	Econ 100 level (1½)
Econ 201 *	Econ 205 (3)	Econ (1½) } Econ 100 (3)	Econ 202 (1½)
Econ 202 *	Econ 200 (3)	Econ (1½) }	Econ 201 (1½)
EDP 151 * }	Cmpt 105 (3)	-	-
EDP 152 * }	Cmpt (1)	Assessed upon applic.	-
EDP 155	-	Assessed upon applic.	-
EDP 251 *	-	Assessed upon applic.	-
EDP 252 *	Cmpt 103 (3)	Assessed upon applic.	-
EDP 253 * }	Cmpt 121, 171 (2)	-	-
EDP 254 * }	Cmpt (4)	-	-
EDP 255 *	Cmpt (3)		-
EDP 256 *	Cmpt (3)		-
Engl 101 *	Engl (3) }	Any two	Engl 121 (1½)
Engl 102 *	Engl (3) }		Engl 122 (1½)
Engl 103	Engl (3)	Engl 100 (3)	Engl 115 (1½)
Engl 201 *	Engl (3) }	Engl 201 (3)	Engl 200 level (1½) Engl
Engl 202	Engl 206 (3) }		Engl 200 level (1½) 200 (3)
Engl 203	Engl 221 (3) }	Engl 202 (3)	} Engl 238 (3)
Engl 204	Engl 221 (3) OR Engl (3) if 221 otherwise obtained }		
Engl 205 *	Engl (3) }	CW 202 (3)	} CW 100 (3)
Engl 206 *	Engl (3) }		
Engl 213 *	Engl (3) }	Engl (3)	Engl 200 level (1½)
Engl 214 *	Engl (3) }		Engl 200 level (1½)
Fren 101	See SFU Calendar for information on the transferability of Language Course.	Fren 120 (3)	Fren 180 (3)
Fren 102			
Fren 103		Fren 110 (3)	Fren 160 (3)
Fren 104			
Fren 131		Fren 105 (3)	Fren 100 (3)
Fren 132			
Fren 201		Fren 220 (3)	Fren 285 (3)
Fren 202			
Geog 101 *	Geog 101 (3)	Geog (1½)	Geog 101 (1½) (Partial Credit)
Geog 103 *	Geog 262 (3)	Geog 103 (1½)	Geog 100 level (1½)
Geog 113	Geog 263 (3)	Geog (1½)	Geog 100 level (1½)
Geog 201 * }	PhysGeog (3) Geog 111 (3)	Geog 101 (3)	Geog 203 (3)
Geog 202 * }	PhysGeog (3) Geog (3)		
Geog 203 *	Geog 121 (3)	Geog 201 (1½)	Geog 201 (1½) (Partial credit)
Geog 205 *	Geog 141 (3)	Geog 200 (1½)	Geog 205 (1½) (Partial Credit)
Geol 101	Geog 211 (3) }	Geol 105 (3)	} Geol 200 (3)
Geol 102	Geol (3) }		
Geol 201	Geol (3)	Geol 312 (3)	Geol 200 level (1½)

C.N.C.	S.F.U.	U.B.C.	U.VIC
PE 114	-	PE 242	PE 100 level (½)
PE 115	-	PE 241	PE 119 (½)
PE 116	-	PE 230	PE 105 (½)
PE 121	-	PE 161 (1½)	PE 143 (1½)
PE 123	-	PE 163 (1½)	PE 100 level (1½)
PE 124	-	PE 164 (1½)	PE 142 (1½)
PE 201-3	-	PE 260 (1½)	PE 143 (1½)
PE 203	-	-	PE 200 level (1½)
PE 204	-	-	PE 200 level (1½)
PE 222	-	PE 261 (1½)	PE 200 level (1½)
Phys 101 *	Phys 120 (3) }	Phys 115 (3)	} Phys 101 (3)
Phys 102 *	Phys 121 (3) }		
Phys 105/106	-	Phys 110 (3)	-
Phys 201/203	-	Phys 213 (2)	Physics 200 level (1½)
Phys 202/203	-	Phys 215 (2)	Physics 200 level (1½)
Phys 203	-	Physics 239 (1)	-
Phys 201/202/203 *	-	Physics 213 (2) and 215 (2)	-
Phys 204	-	Physics (1½)	-
Phys 203/204	-	-	Physics 200 level (1½)
Posc 101	Pol 100 (3)	Arts (1½)	Poli 100 level (1½)
Posc 102	Pol 211 (3)	Arts (1½)	Poli 100 level (1½)
Posc 201	Pol 221 (3)	Posc 200 (1½) }	Poli 100 (3)
Posc 202	Pol 222 (3)	Posc (1½) }	
Posc 203	Pol 212 (3)	Posc 202 (1½)	Poli 201 (1½)
Posc 204	Pol (3)	Posc 203 (1½)	Poli 230 (1½)
Psyc 101 *	Psyc (3) } Psyc 101 (3)	Psyc 100 (3)	} Psyc 100 (3) OR
Psyc 102 *	Psyc (3) } Psyc (3)		} Psyc 100 level (1½) each
Psyc 103 *	Psyc (3)	Psyc (1½)	Hum 100 level (1½)
Psyc 201 *	Psyc 210 (3) }	Psyc 200 (3)	} Psyc 200 (3) OR
Psyc 202 *	Psyc 201 (3) }		} 200 level (1½) each
Psyc 203 *	Psyc (3) }	Psyc 206 (3) OR	} Psyc 220 (3) OR
Psyc 204 *	Psyc (3) }	(1½) each	} 200 level (1½) each
Psyc 205 *	Psyc 351 (3)	Psyc (1½)	Psyc 200 level (1½)
Psyc 206 *	Psyc 355 (3)	Psyc (1½)	Psyc 200 level (1½)
Psyc 207 *	Psyc 340 (3)	Psyc (1½)	Psyc 200 level (1½)
Sowk 201	-	-	} Sowk 200 (3)
Sowk 202	-	-	
Soc 101 *	S.A. (3) } S.A. 150 (3)	Soci 2nd year (1½) } Soc. 200 (3)	} Soci 100 (3)
Soc 102 *	S.A. (3) } S.A. (3)		
Soc 201 *	S.A. 202 (3)	Soci 2nd year (1½)	Soci 200 level (1½)
Soc 202 *	S.A. 200 level (3)	Soci 2nd year (1½)	Soci 200 level (1½)
Soc 203 *	S.A. 100 (3)	Soci 210 (1½)	} Soci 200 (3)
Soc 204 *	S.A. 200 level (3)	Soci 210 (1½)	}
Span 101	See SFU calendar for information on the transferability Language courses.	Span 100 (3)	} Span 100 (3)
Span 102		}	
Span 201		Span 200 (3)	} Span 240 OR
Span 202		}	} Span 290 with an "A" Grade

* *Students should see a Counsellor to check on specific comments applicable to these courses.*

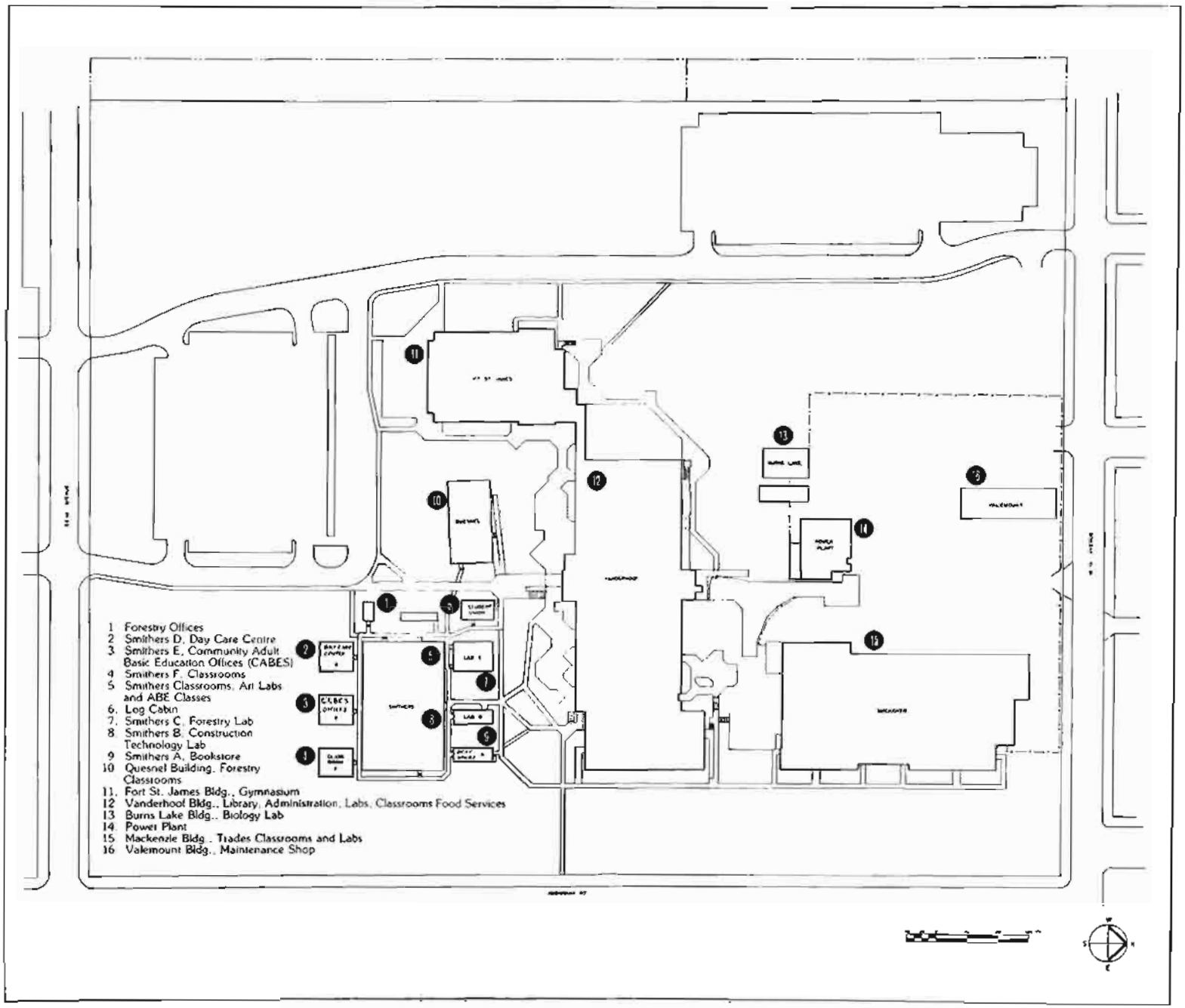
BUSINESS ADMINISTRATION TRANSFER GUIDE

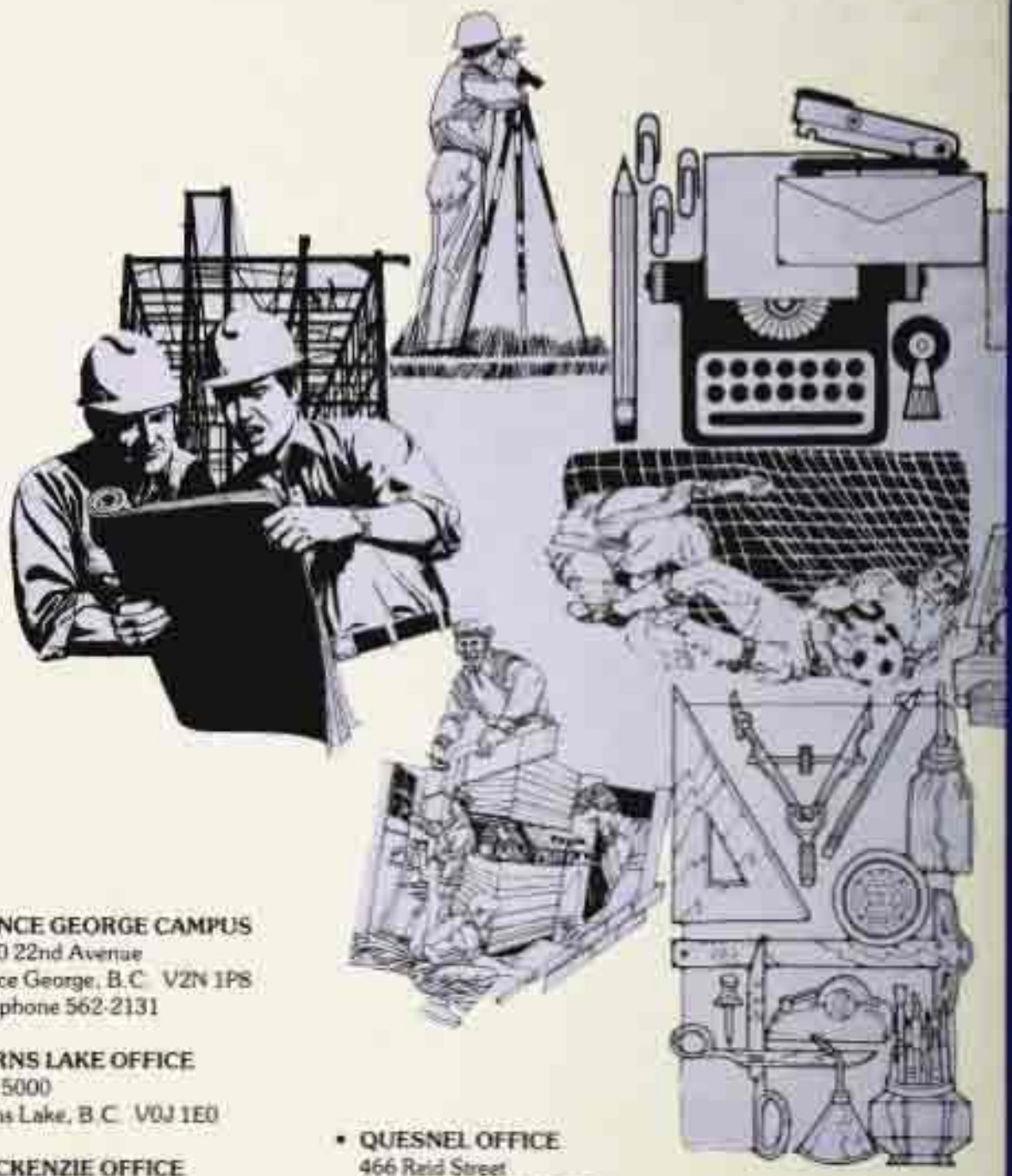
C.N.C. Courses	Institute of Chartered Accountants of B.C. (CA)	Certified General Accountants of B.C. (CGA)	Society of Management Accountants of B.C. (RIA)	Institute of Accredited Public Accountants of B.C. (APA)
Bus 151 and 152	Financial Accounting	Accounting 101	11 Introductory Accounting	Accounting 100
	to			
Bus 251 and 252	Intermediate Level	Accounting 211 & 221	21 Intermediate Accounting	Accounting 200
Bus 253 and 254	Management and Cost Accounting	Cost Accounting 311	31 Cost and Management Accounting	Cost Accounting 300
Bus 257 and 258	Financial Management	Financial Controllership 316	42 Financial Management	Financial Management 320
Bus 265	Policy and Administration			
Bus 270	Advanced Accounting		Note 1	Accounting 400
Bus 274	Organizational Behavior		23 Organizational Behaviour	Organizational Behaviour 730
Bus 293 and 294	Commercial Law	Law 108	22 Commercial Law	Commercial Law 500
Com 110	Business Applications of Mathematics			
Com 201	Note 2		11 Introductory Accounting	
Com 110 and 207			33 Quantitative Methods II	
Econ 201 and 202	Economics	Economics 104	12 Economics	Economics 710
EDP 151 and 152		Note 3	14 Data Processing	Computers 430
EDP 152 and 255	Computers in Business			
EDP 253 and 254				Information Systems 740
EDP 253 and 256 or EDP 253 and 257		ICS 325		
EDP 257	Information Systems		51 Information Systems	
Engl 151 and 152			13 Communications and Case Analysis	Business Communication 720
Math 101	Mathematics			
Math 104 or Math 157	Statistics		32 Quantitative Methods I	
Math 157		Statistics 203	32 Quantitative Methods I	

Note 1 — May be taken; but Society test is required for 41 Advanced Accounting.

Note 2 — May be substituted for Bus 151/152 portion of Financial Accounting

Note 3 — Usually required as a prerequisite for EDP 251, 252, 253, 256, and 257.


1 Forestry Offices
2 Smithers D, Day Care Centre
3 Smithers E, Community Adult Basic Education Offices (CABES)
4 Smithers F, Classrooms
5 Smithers Classrooms, Art Labs and ABE Classes
6 Log Cabin
7 Smithers C, Forestry Lab
8 Smithers B, Construction Technology Lab
9 Smithers A, Bookstore
10 Quesnel Building, Forestry Classrooms
11 Fort St. James Bldg., Gymnasium
12 Vanderhoof Bldg., Library, Administration, Labs, Classrooms Food Services
13 Burns Lake Bldg., Biology Lab
14 Powel Plant
15 Mackenzie Bldg., Trades Classrooms and Labs
16 Valemount Bldg., Maintenance Shop



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  3330 22nd Avenue
  Prince George, B.C. V2N 1P8
  Telephone 562-2131

- **BURNS LAKE OFFICE**
  Box 5000
  Burns Lake, B.C. V0J 1E0

- **MACKENZIE OFFICE**
  Box 2267
  Mackenzie, B.C. V0J 2C0
  Telephone 997-4333

- **VANDERHOOF OFFICE**
  Box 129
  Vanderhoof, B.C. V0J 3A0
  Telephone 567-9291

- **QUESNEL OFFICE**
  466 Reid Street
  Quesnel, B.C. V2J 2M7
  Telephone 992-3906

- **ROBSON VALLEY OFFICE**
  Box 789
  McBride, B.C. V0J 2E0
  Telephone 569-2229 - McBride
  566-4435 - Valemount