



1984-85 Calendar

COLLEGE OF NEW CALEDONIA

Prince George, B.C.

College Calendar

July 1984 to June, 1985

July 1	Canada Day - College Closed	December 25 to 26	Christmas Day/Boxing Day College Closed
July 16 to August 18	Pre Registration All Diploma and Certificate Programs	January 1, 1985	New Year's Day - College Closed
August 1	B.C. Day - College Closed	January 2	Classes Commence Nursing, and Vocational Programs Registration - Adult Basic Education and Adult Preparation Courses
August 7	Registration Adult Basic Education	January 2 to 4	Registration - All Remaining Academic/Career Programs
August 8	Basic Literacy and Adult Preparation Courses	January 7	First Day of Classes
August 27	Classes Commence Nursing and Forest Resource Technology Programs	January 21	Last day to ADD courses without instructor's permission Academic Programs
August 27 to 31	Registration for all remaining and Academic Career and Vocational Programs	January 29	Registration - Adult Basic Education and Adult Preparation Courses
September 3	Labour Day College Closed	February 26	Registration Adult Basic Education and Adult Preparation Courses
September 4	Classes Commence Registration - Adult Basic Education and Adult Preparation Courses	February 27 to March 1	Midterm Break Academic/Career Programs
September 21	Last day to ADD courses without instructor's permission Academic Programs	March 4	Last day to withdraw
October 5	Registration Adult Basic Education and Adult Preparation Courses	March 26	Registration - Adult Basic Education and Adult Preparation Courses
October 8	Thanksgiving Day - College Closed	April 2	Registration Adult Basic Education
October 30	Registration Adult Basic Education and Adult Preparation Courses	April 5	Good Friday College Closed
November 2	Last day to withdraw	April 8	Easter Monday - College Closed
November 11	Remembrance Day College Closed	April 26	Last day of classes and examinations
November 27	Registration - Adult Basic Education and Adult Preparation Courses	April 30	Registration & Classes Commence - Nursing Program Registration - Adult Basic Education & Adult Preparation Courses
December 3 to 14	Pre-registration All Diploma and Certificate Programs	May 24	Last day of Classes - Early Childhood Education Program
December 19	Last Day of Classes and Examinations	May 28	Registration Adult Basic Education and Adult Preparation Courses

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 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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HOW TO USE THIS CALENDAR

HOW TO USE THIS CALENDAR

1. Read the GENERAL INFORMATION, SERVICES AVAILABLE, and FINANCIAL ASSISTANCE sections.

2. Decide which type of program you are interested in and turn to that section of the Calendar to find out detailed information on Programs, Admissions, Fees, Courses, etc.

Steps:

- Decide which program you want
- Note admission requirements, fees, and expenses.
- Follow the admission and registration procedure for the program.
- Where applicable, review the various courses offered and the CNC TRANSFER GUIDE.
- Read any additional information on transcripts and grades.

3. Become familiar with the CALENDAR OF EVENTS and the CAMPUS MAP.

PROGRAMS

ADULT BASIC EDUCATION

The 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 students for admission to vocational training or post-secondary studies and/or for actively seeking employment.

- ABE Upgrading
- Basic Training for Skill Development (BTSD)
- English Language Training
- Volunteer Adult Literacy Tutoring (VALT)
- Vocational Preparation

For further information, see page 16.

ACADEMIC PROGRAMS (UNIVERSITY, BUSINESS, TECHNICAL)

These programs provide university transfer courses or training in business or technical skills.

Agricultural Sciences U.B.C.
Applied Science (Engineering) U.B.C.
Associate of Arts
Business Administration
Business Management
Commerce
Construction Technology
Criminology
Electrical-Electronics Technology
Forest Resource Technology
Medical Laboratory Technology
Nursing
Physical Education
University Credit

For further information, see page 20.

VOCATIONAL PROGRAMS

These programs provide training in the vocational and skilled trades including pre-apprenticeship and apprenticeship training.

Apprenticeship Training
Automotive Mechanical Repair - Apprenticeship
Business Office Training
Carpentry - Apprenticeship
Cook Training
Dental Assisting
Early Childhood Education
Electrical Apprenticeship
General Drafting
Heavy Duty Mechanics - Apprenticeship
Long Term Care Aide
Millwright Apprenticeship
Plumbing
Power Engineering
Steamfitting and Pipefitting
Training Access (TRAC)
Welding

For further information, see page 57.

CONTINUING EDUCATION

These programs are designed to provide part-time vocational upgrading courses and many other courses, seminars, or conferences of general interest to the public.

A. Vocational Part-time Programs
- Skilled Training
- Trade Certification

B. General Interest Programs
- Self Development
- Recreational
- Personal Knowledge

C. Native Indian Programs

D. Women's Programs

E. Knowledge Network

For further information, see page 65.

REGIONAL PROGRAMS

Many programs or courses are offered in the towns and villages in the college region through the local office of CNC's Continuing Education Division. For further information contact:

MACKENZIE	AREA DIRECTOR - Mackenzie Community Education and Recreation Mackenzie Sports Complex Box 2110, Mackenzie. VOJ 2C0 Phone: 997-4333
BURNS LAKE	AREA DIRECTOR - Lakes District Resource Centre, Highway 16 Box 5000, Burns Lake. VOJ 1E0 Phone: 692-3175
VANDERHOOF	AREA DIRECTOR - Nechako College of New Caledonia Campus R.R. N° 2, Vanderhoof, B.C. VOJ 3A0 Phone: 567-9291
QUESNEL	AREA DIRECTOR - Quesnel College of New Caledonia Campus 488 McLean, Quesnel. V2J 2P2 Phone: 992-3906
ROBSON VALLEY	AREA DIRECTOR - Robson Valley Box 789, McBride. VOJ 2E0 Phone: 569-3368 or: Box 789, Valemount. VOE 2Z0 Phone: 566-4818



PRINCIPAL'S MESSAGE

In a sense, this calendar can serve as a "map of the territory" of training and education open to students interested in attending the College of New Caledonia. This "map" is complicated, however, and there are certain things you should have before you in order to understand this document properly.

Those include:

- a) An idea of where you want to go
- b) The skills required to read this map

Should you require assistance C.N.C. counsellors and faculty, or high school counsellors, are equipped to lend a hand. Without such information the following pages may be a maze and may serve to confuse you.

It is my sincere hope that should you choose a course of studies at C.N.C., the following "map" will assist in showing the way to the future you have chosen. The services, staff, and facilities of this College are at your disposal along the way, as well as our encouragement and best wishes for success in your educational endeavours.

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 four school districts: 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George).

The College opened on September 1, 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 hectares.

A recently completed building program provided 3rd floor classroom and laboratory space. Purchase of a building a few blocks from the main campus houses additional Vocational classes.

Strenuous efforts are now being made to add a student residence to the campus.

With learning centres in Burns Lake, Mackenzie, Quesnel, Vanderhoof, 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, apprenticeship, technologies, university transfer and general interest.

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 Admissions and Registration (Level Two, Vanderhoof Building). A different card will be issued to full-time and part-time students. 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.

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.

Any qualified international student may apply to the College but such students must have local sponsors or sponsoring agencies who will be responsible for the student's full cost of education. International students should submit their applications to the College early enough to allow for the checking of their references, evaluation of transcripts, and corresponding with immigration authorities.

International students will not normally be accepted into limited enrollment programs if this will deny a place to a qualified Canadian citizen or landed immigrant. International students are not eligible for publicly funded student aid programs.

Students who cannot demonstrate acceptable proficiency in English will be required to upgrade their English language skills. The level of upgrading will be determined by the College of New Caledonia.

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 semester 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 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 March 29 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 15 weeks duration.

STUDENT APPEAL PROCEDURE

1. The first step in any appeal involving a student and a C.N.C. employee shall start with the student and the individual employee as the "court of first instance." A student initiating an appeal shall do so within sixty clear calendar days after the incident in question.

2. In the event that the outcome of this initial meeting (court of first instance) is unsatisfactory to the appellant, then he or she shall have the right to appeal through the Vice-Principal Programs and Educational Services.

Student Grade Appeals will be resolved by a Grade Appeal Committee composed as follows:

- a) Two students named by the Student Union at their first meeting in September. At least one of these student representatives must be a full-time student.
- b) Four Faculty members to be named by the Vice-Principal, Programs and Educational Services, not later than September 15 each year.
- c) An Administration Appointee shall chair the Committee and is a voting member of the Committee.

Student Appeals with regard to actions or ethical conduct will be resolved by the Principal based on recommendations from either:

- i) The Grade Appeal Committee
- ii) An Ad Hoc Committee composed as follows:
 - a) One student named by the Student Union
 - b) Two Faculty members named by the Vice-Principal, Programs and Educational Services
 - c) One Administrator named by the Principal

If any member of this Committee is party to a particular grievance, he or she shall not serve on the Committee for the duration of those proceedings. Alternates may be named by the Principal, Vice-Principal, Programs and Educational Services, or Student Union as appropriate. To ensure continuity, it would be desirable to have one member of each of the groups mentioned above serve for two years. The remaining members would serve for a minimum of twelve months.

3. It will be the responsibility of the Grade Appeal Committee Chairman to ensure that the proper appeal procedure is followed by all parties involved.

4. The Student Appeal Procedure is designed to provide the parties involved with an in-house hearing. Every effort will be made to ensure that all parties involved are given the opportunity to state their views openly and honestly. Should any party feel that they have somehow been dealt with unfairly by the Committee, they have recourse to the Principal and the College Board.

GRADE APPEAL PROCEDURE

1. The Vice-Principal, Programs and Educational Services shall receive a written appeal request from the griever after he or she has met with or contacted the C.N.C. employee involved in the grievance. This contact constitutes a "court of first instance".

2. The written appeal will immediately be forwarded to the Grade Appeal Committee Chairman.

3. The Grade Appeal Committee Chairman or designate will advise the members of the Student Grade Appeal Committee and the principals involved of the pending grievance. A copy of the written letter of grievance shall be forwarded to the members of the Committee and principals not later than three clear calendar days after the Vice-Principal, Programs and Educational Services has received the letter. It will then be the responsibility of the Student Grade Appeal Committee Chairman to call a meeting of the Committee and the griever not later than seven clear calendar days after the written grievance has been received.

4. Once the student has received a grade, he or she is entitled to appeal in writing within sixty clear calendar days. Normally, the Vice-Principal, Programs and Educational Services will follow proper appeal procedure as outlined above where the student would appeal to the faculty member as a "court of first instance". However,

where such a meeting is not possible, the student may submit a written request to the Vice-Principal, Programs and Educational Services outlining his or her claim for appeal. It shall be the responsibility of the Grade Appeal Committee Chairman to convene an appeal meeting within seven clear calendar days of having been notified of the grievance. Both students and faculty have the right to proxy representation at this appeal hearing. In the event that they may appoint another faculty member or a student as the case may be, to attend in their place.

5. Students may not use this avenue to appeal decisions arising from situations where their conduct or behaviour has brought them into conflict with criminal or civil law.

6. The Chairman of the Grade Appeal Committee will then forward a report to the Principal. In the event of a failure of the Committee to agree on a resolution, the Principal will have the authority to resolve the dispute and may then report to the College Board if deemed appropriate. Any decisions handed down in accordance with the provisions stipulated in the Student Grade Appeal Procedure shall be final insofar as the College of New Caledonia has jurisdiction.

IMPROPER BEHAVIOUR AND UNAUTHORIZED ACTIVITIES

Students registered at the College of New Caledonia are expected to behave responsibly and with propriety. Where a student fails to live up to these expectations, the College reserves the right to take whatever action it deems to be warranted.

MISCONDUCT

The College will concern itself with misconduct which includes but is not limited to the following examples:

(a) ACADEMIC MISCONDUCT

(1) Cheating:

This includes but is not limited to dishonest or attempted dishonest conduct at tests or examinations, in which use is made of books, notes, diagrams or other aids excluding those authorized by the examiner. It includes communicating with others for the purpose of obtaining information, copying from the work of others for the purpose of obtaining information, copying from the work of others and purposely exposing or conveying information to other students who are taking the test or examination.

(2) Plagiarism:

This is the presentation of another person's work or idea without acknowledgement. Students in doubt about the need for acknowledgement should take care to avoid unintentional plagiarism by learning proper scholarly procedures. Intentional plagiarism is not only dishonest, but a rejection of the principles of scholarship. A plagiarized College assignment will ordinarily receive no credit and may result in failure of the course.

(b) DISRUPTION OF INSTRUCTIONAL ACTIVITIES

This includes but is not limited to student conduct which interferes with lectures, seminars, tutorials, group meetings, other related activities, and with examinations or tests.

(c) DAMAGE TO PROPERTY AND ASSAULT ON INDIVIDUALS

This includes conduct which leads to damage or to theft of College property or the personal property of College staff or of fellow students. It also includes conduct which leads to physical injury or to emotional disturbance of any of the above-mentioned persons.

MISREPRESENTATION

This includes but is not limited to the fraudulent misrepresentation of information on and the falsification of documents and academic records.

LACK OF ATTENDANCE

This includes any persistent and unexcused absences from classes.

DISCIPLINARY MEASURES

Sanctions imposed by the College for misconduct, misrepresentation or lack of attendance; may include a simple warning; reassessment of the student's work; failure on the particular assignment, test, or examination; failure in the course or program; denial of admission or readmission; forfeiture of College financial aid; and suspension or termination from the College. Offenses covered by the Criminal Code of Canada shall normally be dealt with through the Courts of Law.

SUSPENSION

Students who are performing at an unsatisfactory level

may be suspended. They may, at their request, have their performance reviewed by a committee which includes the instructor(s), and the Director of the Division.

If it is the opinion of this committee 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 for one semester in academic programs and for the length of a program in other instructional areas.

TERMINATION

Students may be terminated for misconduct, misrepresentation, or lack of attendance. Students who are terminated from a program must have the appropriate Director's permission for readmission.

SAFETY REGULATIONS

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

SERVICES AVAILABLE TO STUDENTS

INFORMATION

For information on any aspect of the College inquire at the Office of Admissions and Registration, (Level Two, Vanderhoof Building). If they don't have the answer they can direct you to someone who does.

OFFICE OF ADMISSIONS AND REGISTRATION

This office is responsible for admissions, registration, student records, changes to records, timetable, withdrawal etc. Any inquiries regarding these procedures should be directed to this office. CALL 562-2131.

Admissions and Registration Hours:

Monday - Thursday 8 a.m. to 4:30 p.m.
Friday 8 a.m. to 4 p.m.

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 Thursday 8:30 a.m. to 4:30 p.m.
Friday 8:30 a.m. to 4:00 p.m.

RESOURCE CENTRE

The Library is 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 student areas, informal lounge reading corners, and a quiet study area. A coin-operated photocopy machine and typewriters are also available.

A variety of audio-visual equipment for viewing and listening is housed in A/V carrels located near the Circulation Desk.

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

HOURS

Monday through Thursday 7:45 a.m. to 10:30 p.m.
Friday 7:45 a.m. to 5:00 p.m.
Saturday 12 noon to 5:00 p.m.
Sunday 12 noon to 5:00 p.m.

SUMMER HOURS:

Monday through Friday 8:30 a.m. to 5:00 p.m.

Audio-Visual Services are located on Level Three of the Vanderhoof Building (3-355). Various audio-visual equipment including videotape players, cassette and record players, cameras, slide and filmstrip projectors, and calculators are available for student use.

Monday through Thursday 7:45 a.m. to 7:30 p.m.
Friday 7:45 a.m. to 4:00 p.m.

COLLEGE STORE

The College Store is located in the Smithers Building. 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 5:00 p.m.
Saturday 9 a.m. to 4:00 p.m.

SWITCHBOARD

All calls to 562-2131 go through the College switchboard. Calls after hours will not be answered.

Switchboard Hours:

Monday through Thursday	7:30 a.m. to 7:30 p.m.
Friday	7:30 a.m. to 5:00 p.m.
Weekends	NOT STAFFED

Hours may vary during the summer.

CAFETERIA

The 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 9:00 p.m.
Friday	7:30 a.m. to 3:00 p.m.

HOUSING

The College does not have student residences. Therefore, students must arrange for their own accommodation. We advise that these arrangements are made early. Inquire at the Student Association Office, Level One. Call 562-2131 or 562-7415.

EMPLOYMENT PLACEMENT

The Canada Employment Centre On-Campus assists students and graduates in obtaining casual and part-time work, as well as permanent and summer career related employment.

The job placement service also provides information to students on job search skills such as resume and covering letter preparation, labour market information and interview preparation.

Room 2-125
Level Two
Vanderhoof Building

HOURS:
Monday through Friday
8:00 a.m. - 4:30 p.m.

RECREATION

The Ft. St. James Building contains a main gym and two racquetball courts. Recreation activities available for students include:

Open Recreation (Free equipment checkout with a student card.)

Badminton	Floor Hockey	Soccer
Basketball	Racquetball	Volleyball
Intra-murals		

A wide range of activities are provided by the Department of Physical Education and Recreation throughout both semesters. Students are advised to check with the Physical Education and Recreation office to ascertain the schedule of events.

Fitness Testing

The Physical Education Department will provide a comprehensive individualized fitness evaluation on an appointment basis.

For further information contact the Physical Education Faculty.

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 Fall of the year and commences office in September.

Office: 1-201 - Phone: 562-7415

Monday through Thursday - 9:00 a.m. - 5:00 p.m.
Friday - 9:00 a.m. - 3:00 p.m.

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 weekly paper put out by the students for the College and the 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.



ADULT SPECIAL EDUCATION

The intention of Adult Special Education is to assist persons with handicaps to attend college programs. Our major purposes are to increase awareness and acceptance of individual differences, and to provide support services that enable the handicapped student to participate in all facets of college life.

1. Special Services

There are many support services available to help students adapt to the college environment.

Examples include:

- Assistance with registration.
- College orientation sessions.
- Information on financial assistance, housing, transportation, and other community resources.
- Provision of alternate methods for taking exams, lecture notes and completing assignments.
- Coordination of services for interpreting lectures through sign language, taping books and accessing instructional aides.
- Personal, career and academic counselling.
- Referral to appropriate community services.

2. Special Resources

A variety of special equipment and materials are available to assist students with their course work.

- Recorded books, large print and braille materials.
- Visualtek magnification system.
- Speech Plus calculator.
- Variable speed recorder and player.
- Free Scan Speech Terminals.

3. Learning Assistance (Developmental Centre, Lower Level)

Learning assistance is available to help students with specific learning problems through the provision of the following services:

- Diagnostic testing.
- Individual instruction in basic skill areas.
- Academic remediation.
- Program evaluation.

Skill Development

A career preparation program entitled "Toward Greater Independence" is available to help students increase skills and confidence for continuing their education. This program is designed for students whose present skill level restricts their access into regular college courses.

The program focus includes:

- Life skills training
- Functional academics
- Career awareness
- On-the-job training.



ACCESS SYMBOL

The above symbol identifies a building as being accessible to wheelchairs. Most classes offered at CNC are located in accessible facilities.

Facilities

Reserved parking spaces are available for students with handicaps. Most buildings on campus are fully accessible by wheelchair and contain fully equipped washrooms. Students wishing further information on available facilities should contact the Office of Admissions and Registration.

Other Activities

Other activities of Adult Special Education services includes community awareness programs designed to increase acceptance of persons with handicaps, the identification of individual needs and the development of working relationships among community agencies to assist handicapped individuals in locating appropriate resources.

Adult Special Education would like to hear from people who wish to see particular courses offered at the college. Prospective students and other interested persons are encouraged to contact the Coordinator of Adult Special Education to discuss special service needs. To make an appointment or obtain further information call 562-2131, Local 250.



TEST SUPERVISION

The College provides supervision for various tests required to enter universities, other institutions, or the professions.

These include:

- Admissions Testing Program (ATP)
- Allied Health Professions Admission Test (AHPAT)
- English Placement Test
- General Certificate of Education Examination University of London
- Graduate Management Admission Test (GMAT)
- Graduate Record Examination (GRE)
- Law School Admission Test (LSAT)
- Medical College Admission Test (MCAT)
- Miller Analogies Test (MAT)
- National Teacher Examinations (NTE)
- Scholastic Aptitude Test (SAT)
- Secondary School Admissions Test (SSAT)
- Test of English as a Foreign Language (TOEFL)
- Test of Spoken English (TSE)
- Others on request

For further information contact the Developmental Studies Centre.

BUS SERVICE

Full-time students, with the appropriate CNC student card, are eligible for a student rate on the Prince George Transit System. A bus schedule is posted inside the 22nd Avenue entrance to the College, or is available from any of the Transit buses.

FINANCIAL ASSISTANCE

SCHOLARSHIPS, BURSARIES AND AWARDS FOR C.N.C. STUDENTS

GENERAL REGULATIONS

There are a number of sources of financial assistance for students at CNC.

To be eligible for assistance, a student must be enrolled full time in a program of studies. Students are advised to check with the Financial Aid Officer about regulations, deadlines for applications and other details. Unless otherwise stated, the CNC Application for Scholarships/Bursaries form will be used. Applications are available at the Financial Aid Office.

In general, scholarships are awarded on the basis of academic excellence or for high scholastic standing combined with other qualities of distinction. Occasionally, scholarships are awarded for academic excellence combined with financial need. Bursaries are awarded primarily on the basis of financial need and are normally intended for deserving students who require financial assistance and have satisfactory academic standing.

Except in unusual circumstances, students will not be awarded more than one scholarship or bursary per academic year.

BRITISH COLUMBIA STUDENT ASSISTANCE PROGRAM

CANADA STUDENT LOAN - B.C. STUDENT LOAN

This is a comprehensive program of assistance for post-secondary students to ensure that British Columbia residents are not denied the opportunity to reach their educational objectives due to lack of funds.

Purpose

The purpose of the B.C. Student Assistance Program is to assist students whose resources are insufficient to provide for the cost of full-time post-secondary education. Funds provided under the program are intended to supplement, not replace, the student's own financial resources and those of the student's immediate family.

Distribution of Funds

The B.C. Student Assistance Program is composed of two inter-related components:

- (a) The Canada Student Loan Plan, funded by the federal government, allows for a repayable loan to a maximum of \$100 per week. (Amount subject to change.)
- (b) The British Columbia Student Loan Program, funded by the province. Details available from the Financial Aid Officer.

Loans remain interest free until six months after the student terminates full-time studies.

The amount of assistance awarded is based on assessed need as determined by the provincial authority.

Eligibility Requirements

Eligibility for assistance requires enrollment in at least 60 percent of a full course load in a University Transfer or Technical program; or enrollment in a Vocational program of at least 12 weeks in length.

Applicants must be B.C. residents, as defined by the B.C. Student Assistance Program.



APPLICATION PROCEDURES

Applications are available through the Financial Awards Office at all public post-secondary institutions in the province.

It is in the applicant's best interest to APPLY EARLY, at least two months prior to the beginning of the term or semester. Applications submitted after the fourth week of the start of classes will be subject to a prorated assessment only.

Completed application forms should be submitted to the Financial Awards Office at the institution the student will be attending.

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.

Students enrolled in the following courses are eligible to apply:

- A. Less than 60 percent 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.

ABE STUDENT ASSISTANCE PROGRAM

The ABE Student Assistance Program has been established to give financial aid to Adult Basic Education Students. This program will assist needy students with direct educational costs, such as tuition fees, books and related expenses.

Applicants must be British Columbia residents, that is, B.C. must be the province in which they have last resided for 12 consecutive months.

Students receiving maintenance assistance from another government agency, such as Human Resources, Canada Manpower or Department of Indian Affairs, must apply for educational funding from that agency.

Students who will be registering for ABE classes at CNC in Prince George should see the Financial Aid Officer if they require financial assistance. Students planning to register for classes in region should see the Area Director.

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 16 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.

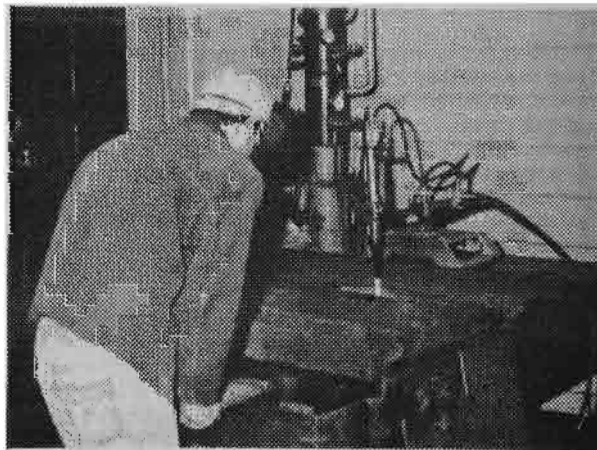
CNC SUBSIDY

The College Board has established an accommodation subsidy for in-region students whose permanent home residence is at least 50 km. from the College and who are renting accommodations in Prince George. The College region comprises four School Districts: 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George). To qualify for the subsidy students must be enrolled in 9 or more credits, or a specified full-time program of at least 15 weeks duration. Students receiving assistance from a government agency such as Canada Manpower, Unemployment Insurance Commission, Ministry of Labour, or Department of Indian Affairs are not eligible for the CNC Subsidy.

No students shall receive the CNC Student Subsidy until either the end of the first semester, or, in the case of vocational students, after a minimum of three months. The subsidy would then be paid retroactively to all qualified students who have obtained a Grade Point Average of 2.5 or higher, or, in the case of vocational students, have obtained satisfactory results. These students would then receive the allowance on a monthly basis thereafter for the rest of the term.

The subsidy is paid to qualifying students who are in regular attendance at the following rates:

Students enrolled in 9 credit hour - \$85 per month
Students enrolled in more than 9 credit hours or in a full-time program of at least 15 weeks - \$125 per month



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 \$100.

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.

SCHOLARSHIPS AND BURSARIES

The College of New Caledonia Faculty Scholarship Fund

Scholarships in the amount of \$150 will be offered to full-time students in the University Transfer and Technical/Vocational Divisions who have completed the Fall Semester and are enrolled in the Winter Semester. The awards will be based primarily on academic achievement, although financial need may be considered.

APPLICATION DEADLINE: January 31

C.N.C. Student Association Scholarships

The C.N.C. Student Association will award eight scholarships in the amount of \$250. each to fulltime students completing the Fall Semester and enrolled in the Spring Semester at C.N.C. University Transfer students must have at least four courses to qualify for the scholarships. The scholarships will be based on grades achieved during the Fall semester, with financial need taken into consideration.

Scholarships will be awarded to fulltime students in the Vocational Technical and University Transfer areas of instruction.

APPLICATION DEADLINE: January 31st.

C.N.C. Student Association Bursaries

The C.N.C. Student Association will award two bursaries in the amount of \$250. each to fulltime students completing the Fall Semester and enrolled in the Spring Semester at C.N.C. University Transfer students must have at least four courses to qualify for the bursaries.

Applications should have a career objective, demonstrated an ability to reach their goals, and show financial need. Fulltime students in technical, vocational, and the university programs will be considered for these bursaries.

APPLICATION DEADLINE: January 31st.

C.N.C. Admission Bursaries

A limited number of CNC Admission Bursaries in the amount of \$300 (tuition fees for 2 semesters) are available to new students planning to attend the College of New Caledonia in the Fall of 1984. Applicants should be a resident of the College Region for at least six months prior to commencement of the student's course of studies at CNC and a graduate of a secondary school in the College region. Recipients must have a minimum G.P.A. of 1.00 (a "C" average) and a demonstrated financial need.

APPLICATION DEADLINE: May 31

Northwood Pulp and Timber Ltd., Scholarships

Three scholarships of \$400 each, donated by Northwood Pulp and Timber Ltd., will be awarded annually

to CNC students. Scholastic excellence will be the only criteria for determining the recipients.

DISTRIBUTION:

1. One \$400 scholarship to a student continuing to the second term of a seven to twelve month program in the Vocational Division of the College of New Caledonia.
APPLICATION DEADLINE: January 31

2. One \$400 scholarship to a student continuing to the third year of a degree program at a B.C. University.
APPLICATION DEADLINE: April 30

3. One \$400 scholarship to a student entering the second year of the Data Processing option of the Business Administration program.
APPLICATION DEADLINE: September 30

Vancouver Foundation Bursaries

Funds in varying amounts are available from the Vancouver Foundation to assist full-time students who require and merit financial assistance. Applicants should have identified career or academic objectives and demonstrated ability to reach their objectives.

APPLICATION DEADLINE: January 31, September 30

Inland Natural Gas Ltd., Scholarship

Inland Natural Gas Ltd., offers a \$350 scholarship to a student who will be entering a second year Science, Business Administration or a Commerce program at CNC. This award is restricted to a student whose home address is within the company's distribution area.

APPLICATION DEADLINE: September 30

B.C. Tel Awards

B.C. Tel will annually award four bursaries in the amount of \$250 each to academic, technical or vocational students. These bursaries will be awarded on the basis of solid achievements in studies and financial need, and are primarily for students in their second year of studies. However, the bursaries are also available to first year students in courses of less than two years duration and, in extraordinary circumstances, to first year students in programs of two years duration.

APPLICATION DEADLINE: September 30

Russell Kenneth Dillabaugh Memorial Scholarship

The Willow-Ah-bau Forest Association will annually award a scholarship in the amount of \$1,000. Candidates must have completed one year of full-time study at CNC with a minimum G.P.A. of 2.75 and be planning to continue a course of study at CNC or another post-secondary institution. Sons and daughters of current employees and contractors of member companies will be given first consideration. Applicants will be considered on the basis of academic standing, financial need and citizenship. The recipient will be invited to a dinner meeting of the Association for formal presentation. Member companies include the following:

Carrier Lumber Ltd.
Dunkley Lumber
Netherlands Overseas Mills
Northwood Pulp and Timber Ltd.
Rustad Bros. and Co. Ltd.
Weldwood of Canada Ltd. (Quesnel)
West Fraser Mills Ltd. (Quesnel)

APPLICATION DEADLINE: March 31

Society of Management Accountants of B.C.

The Society of Management Accounts of B.C. will provide a scholarship equivalent to R.I.A. fees (\$500) upon enrollment with the Society. This award will be granted to the graduating student with the highest average standing in Business 253 and 254 each year. It is hoped that this award will encourage students in their study of Cost and Management Accounting.

APPLICATION DEADLINE: April 30

The Institute of Chartered Accountants of B.C. Bursary

The Institute of Chartered Accountants of B.C. will donate a bursary in the amount of \$300 in recognition of academic achievement to a student in the graduating year of a university transfer program. Preference will be given to deserving students enrolled in accounting options.

APPLICATION DEADLINE: September 30

C.G.A. Continuing Education Tuition Scholarship

The Certified General Accountants Association of B.C. annually offers a \$600 Continuing Education Tuition Scholarship to a graduate of the Business Administration (Accounting) Diploma Program at the College of New Caledonia.

The Scholarship covers up to a maximum of \$600 of the student's first year's tuition on the C.G.A. program. The Scholarship is tenable only with the Certified General Accountants Association of B.C. and will be in the form of a credit toward tuition fees for the academic year following the award.

Students who intend to continue their education with the C.G.A. program should make formal application to the Financial Aid Department or the Business Management Department at the College of New Caledonia.

APPLICATION DEADLINE: March 31

Prince George Chartered Accountant's Association Scholarship

The Prince George Chartered Accountant's Association will donate a scholarship in the amount of \$600 to a student who has completed the pre-commerce year and is registered in a program of studies at CNC which lead to a degree in Commerce. The scholarship will be awarded on the basis of academic achievement with financial need being taken into consideration.

APPLICATION DEADLINE: September 30

Credit Union Foundation Bursary

The Credit Union Foundation annually offers two bursaries in the amount of \$200 each to academic, technical or vocational students who might otherwise have difficulty completing their studies by reason of financial hardship. They may be enrolled in short, long, term or night courses. The recipients are to be Canadians residing in British Columbia and in attendance at CNC.

APPLICATION DEADLINE: January 31

P.E.O. Sisterhood Award

The P.E.O. Sisterhood offers two awards in the amount of \$150 each to female students who are completing their first or second year at the College of New Caledonia and who are planning to continue their education either at CNC or another institution of learning.

APPLICATION DEADLINE: January 31

The University Women's Club Bursary

The University Women's Club of Prince George is offering a \$300 bursary to a mature female student enrolled in any full-time course of study at the College of New Caledonia.

APPLICATION DEADLINE: January 31

Pulp, Paper and Woodworkers of Canada Local 9 Bursary

The Pulp, Paper and Woodworkers of Canada, Local 9, annually makes available a bursary to a maximum of \$500 to cover the cost of fees and books for a student enrolled in a program of studies at CNC. Awards will be based on financial need. The applicant must be a member, or a son, daughter or spouse of a member of the Pulp, Paper and Woodworkers of Canada, Local 9. Please supply proof of membership with the application.

APPLICATION DEADLINE: September 30

Prince George Medical Laboratory Bursary/Scholarship

The Prince George Medical Laboratory offers two Bursary/Scholarships of \$300 each to be awarded annually to CNC students entering the second year of the Medical Laboratory Technology program.

Selection of the winners will be based on monetary need and sound academic achievement. This award is restricted to students whose home address is in the College region. Applications are available in the Financial Aid Office and should be submitted by January 31. The award will be made in September when the students register at B.C.I.T. or Cariboo College for the second year.

APPLICATION DEADLINE: April 30

The B.C. Lung Association Bursary

The Christmas Seal People award a \$500 bursary to a student entering the second year of the Diploma Nursing program. Selection will be made primarily on the basis of need, although grades will be taken into consideration.

APPLICATION DEADLINE: September 30

Prince George, Cariboo and Central Interior Transportation Club Scholarship

The Prince George, Cariboo and Central Interior Transportation Club annually awards a scholarship in the amount of \$300 to a student who has completed the first year and will be enrolling in the second year of either the Business Administration or the C.I.S. program at CNC. The award will be based on grades with financial need being taken into consideration. To be eligible, the student must reside in the area encompassed by Williams Lake to Fort St. John and McBride - Valemount to Smithers.

APPLICATION DEADLINE: September 30

Finning Tractor and Equipment Co. Ltd. Forest Resource Technology Bursary

Commencing January, 1985, Finning Tractor and Equipment Co. Ltd. will offer a \$500 bursary to a student enrolled in the second year of the Forest Resource Technology Program.

Applicants should have a reasonable academic average and evidence of financial need. Preference will be given to students whose permanent residence is in the College Region.

APPLICATION DEADLINE: October 31 - to be awarded the following January.

Finning Tractor & Equipment Co. Ltd. Business Administration Bursary

Finning Tractor and Equipment Co. Ltd. annually offers a \$300 Bursary to a deserving student entering the second year of the Business Administration program. Applicants should have a reasonable academic average and evidence of financial need.
APPLICATION DEADLINE: September 30

Norman Steward Memorial Bursary

(Sponsored by the Prince George Central Lions Club)

A bursary of \$250 will be offered annually to a full-time student in the first year of the Business Administration Program. The award will be based on demonstrated need and an academic achievement of at least a 2.0 grade point average in the first semester.
APPLICATION DEADLINE: January 31

Restaurant and Foodservices Association of B.C. Bursary

The Restaurant and Foodservices Association of B.C. will provide a \$200 bursary to a student in the Cook Training program. The Manager of Food Services will recommend a deserving student based on the following:

- Motivation of the student
- Demonstrated Interest in the Industry
- Participation in special events
- Academic standing
- Instructor recommendations and other pertinent facts.

APPLICATION DEADLINE: January 31

Data Processing Management Association Bursary

The Data Processing Management Association is offering a \$200 bursary to a deserving student entering the third semester of the Computer Information Systems program.
APPLICATION DEADLINE: September 30

Prince George Construction Association Scholarship

The Prince George Construction Association is offering a \$250 scholarship to a student in the second year of the Construction Technology program. This award will be based on financial need for a student with satisfactory grades.
APPLICATION DEADLINE: September 30

Prince George Construction Association Bursary

The Prince George Construction Association annually offers a bursary in the amount of \$250 to a student in the second year of the Construction Technology program. The awards will be based on financial need for a student with satisfactory grades.
APPLICATION DEADLINE: September 30

Council of Forest Industries of B.C. Northern Lumber Sector Scholarships

The C.O.F.I. awards annually two scholarships to the two top students completing the first year of the Forest Resource Technology program, and planning to enroll in the second year of the program at CNC. The student having the highest academic standing at the end of the first year will be awarded a scholarship in the amount of \$600, the second ranked student will awarded a scholarship in the amount of \$400. Any student enrolled in the

complete first year program in Forest Resource Technology is eligible for the C.O.F.I. Scholarships. Applications are not required; the top ranked students will be notified if they have received an award following completion of their first year program of studies and enrollment in the second year of the Forest Resource Technology program.

Sam Ketcham - Phil Bodman Memorial Bursaries

The Northern Interior Lumber Sector of the Council of Forest Industries of B.C. will provide five \$100 bursaries. These bursaries are to be awarded to needy second year Forest Resource Technology students from the Northern Interior region, upon entering their second term with a 2.5 grade point average or better, and provided they are not the recipient of a scholarship or other grant which would eliminate the need for a bursary. The "Northern Interior Region" is from Valemout to Terrace and North from Prince George to the Yukon. It excludes Quesnel and points south.
APPLICATION DEADLINE: September 30

Central Interior Logging Association Scholarships

The Central Interior Logging Association annually offers two scholarships of \$150 each to students who have completed the first year of the Forest Resource Technology program and are enrolled in the second year of the program at CNC. The awards are made on the basis of scholastic achievement and financial need. Applicants should have their permanent residence in the Central Interior area east of Hazelton, B.C.
APPLICATION DEADLINE: September 30

The Pas Lumber Company Ltd. Bursaries

The Pas Lumber Company Ltd. will annually award two bursaries in the amount of \$250 each to students enrolled in the first year of the Forest Resource Technology program. The awards will be restricted to students who have been out of high school for at least one year and who have financial need.
APPLICATION DEADLINE: September 30

Leslie Kerr Memorial Scholarship

Lignum Limited, founded by Mr. L.J. Kerr, offers a scholarship in the amount of \$250 to a worthy student with suitable grades who graduates from Secondary School in School District 27 and is enrolled in the CNC Forest Resource Technology program.
APPLICATION DEADLINE: September 30

B.C. Pre-school Teachers Association (Caledonia Branch)

The Caledonia Branch of the B.C. Pre-School Teachers Assoc. offers a bursary in the amount of \$150 to a full-time student in the Early Childhood Education Program at CNC. The award is determined by academic standing, financial need and career plans.
APPLICATION DEADLINE: February 28

Central Interior Chapter of The Welding Institute of Canada Scholarship

The Central Interior Chapter of the Welding Institute of Canada will donate a \$200 scholarship to a graduating student of a modular welding training program of no less than five months duration. This scholarship will be presented in the spring of each year. The recipient will be selected by the scholarship committee at CNC.

APPLICATION DEADLINE: September 30, January 31

CIS Club Bursary

A \$50 bursary is available for a 2nd year Business Administration student in the CIS program entering the 3rd or 4th semester.

The recipient will be selected on the basis of academic achievement and financial need.

APPLICATION DEADLINE: September 30 and January 31

The Stella DeLuca Memorial Bursaries

Two Stella DeLuca Memorial Bursaries in the amount of \$50 each will be awarded to full-time students registered in the B.T.S.D. program. These bursaries will be awarded primarily on the basis of financial need to students who are making satisfactory progress in their studies.

APPLICATION DEADLINE: September 30 and January 31

Labatt's Athletic Bursary

Labatt Breweries of British Columbia offers an annual bursary of \$150 based on academic qualifications and athletic endeavours. The award is applicable to students who have completed one year at CNC and are enrolled in the second year on the Physical Education Program. Applicants should have demonstrated leadership qualities within the Physical Educational Program and/or the community.

Applications should be submitted to the Financial Aid Officer by January 31st.

Northern Interior Academy of the B.C.S.M.T.

The Northern Interior Academy of the B.C. Society of Medical technologists will donate a bursary to a student in the Medical Laboratory Program at CNC. The availability of this award will be reviewed annually by

the Academy and the amount will be at their discretion.

This award will be based on good academic standing and financial need. Applications should be submitted to the Financial Aid Officer by January 31st.

AWARDS

The following awards are presented to students who have excelled in some particular area of a program of studies at CNC. Applications are not necessary; the awards are made on recommendation of Faculty.

Governor General's Silver Medal Award

The Governor General's Silver Medal is awarded annually to the most outstanding student graduating from a program of studies of at least two years duration at the College of New Caledonia.

Lieutenant-Governor of B.C. Medal Award

A medal in the name of the Lieutenant-Governor of British Columbia will be awarded annually to a student registered in a substantial vocational or career program of studies of less than two years duration. The student chosen will be one who has not only excelled in his/her studies, but who has also contributed in a positive way to the life of the College of the Community.

Dental Assisting Awards

The Louise Backman Award for an exceptional Project in the Advancement of the Dental Assisting Program - donated by Mrs. Louise Backman, Instructor.

The Prince George Dental Association Award for Outstanding Practical Achievement - donated by the Prince George Dental Association.

The Prince George Dental Assistants' Association Award for highest class standing - donated by the Prince George Dental Assistants' Association.

**The College Financial Aid Office has
information on other
SCHOLARSHIPS AND BURSARIES
AVAILABLE TO C.N.C. STUDENTS,
ADMINISTERED BY
OTHER ORGANIZATIONS.**

DEVELOPMENTAL STUDIES PROGRAMS

The Developmental Studies Centre (D.S.C.) is intending to help students who, for whatever reason, lack reading, writing, math or study skills which are prerequisite to their college studies. The Centre's programs are available to students prior to, as well as during, their college studies. The instruction is primarily instructor guided self-paced learning. Assigned times are arranged around the student's college schedule.

PLACEMENT TESTING

All students entering technical programs at the College must take the English and Math Placement Test (E.M.A.T.) prior to their first semester. The outcome of this test in no way affects admission of the student. Rather, the results of the test are used to determine a course of study in those prerequisite English and Math skills in which the students are weak. Students falling below the criteria for the program in which they are enrolled are required to take developmental courses as

part of their college program.

Students wishing to take advantage of the D.S.C. who are not required to take the E.M.A.T. or who scored above the criteria have equal access to the Centre and are encouraged to attend.

COMMENCEMENT DATES: The E.M.A.T. is administered approximately once per month. For more information contact the Developmental Studies Centre (Prince George Campus) or any regional CNC office.

GRADE 12 EQUIVALENCY TESTS (GED)

The General Educational Development (GED) Tests are used toward 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. You must register well in advance for classes and/or testing at the Registration Office for Continuing Education (level two, Vanderhoof Building). 562-2131, local 359 or 562-3532. For information on regional courses and testing contact the local office of C.N.C.'s Continuing Education Division.

TEST SUPERVISION

The Centre provides supervision for various tests required to enter university, other institutions and the professions. For more information refer to page 8.

ENGL 155-0 Developmental English

Based on the results of the E.M.A.T. and the requirements of the program in which they are enrolled, students will be assigned a course of study which is drawn from the following components:

Developmental Reading

A self-paced course for students who are weak in reading. It is designed to help students acquire the basic skills of reading needed to handle college-level material. Skills covered include information analysis, pattern recognition, how to make conclusions and inference, critical reading, and flexible reading.

College Reading

A self-paced course designed to help college students improve their reading skills. Skills covered include information analysis, pattern recognition, how to make conclusions and inferences, critical reading, and flexible reading.

Basic Study Skills

This course is designed to help the student develop a systematic method of studying. Skills demonstrated include study reading, listening to lectures, note taking, time management, review techniques, and exam writing.

Composition

Introductory units include paragraph writing and organization as well as effective diction, sentencing, essay and theme writing. Advanced units directs students to apply these skills in a variety of activities such as letter writing, report writing, precis and research papers. As well, there are units on figurative language and common fallacies.

MATH 155-0 Developmental Math

Based on the results of the E.M.A.T. and the requirements of the program in which they are enrolled, students will be assigned a course of study which is drawn from the following components:

Fundamental Arithmetic

Fundamental Arithmetic including whole number operations, fractions, mixed numbers as well as simple probabilities, proportion percent and simple graphs.

Fundamental Algebra

The Fundamental Algebra discusses arithmetic and algebraic operations involved counting numbers, integers, and rational numbers, as well as solving linear and applied linear equations.

Intermediate Algebra

Intermediate Algebra covers graphic of linear and quadratic equations, operations with and factoring of polynomials, solving inequalities and sets, and operations involving exponential and logarithmic functions and radicals.

Fundamental Trigonometry and Geometry

This program discusses the Pythagorean theorem and the six basic trigonometric functions, as well as solving problems involving right and oblique-angled triangles, vectors, perimeter, area, and volume. Constructing plane geometric figures completes this section.

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.

DEVELOPMENTAL STUDIES PROGRAMS

ADMISSIONS & REGISTRATIONS

Students who are required to do developmental work and are enrolled in full-time technical programs, are automatically registered in one or both developmental courses at no additional cost. Other students enrolled at the College who wish to improve their prerequisite skills may register at no charge. Costs for community users

are based on the number of instructional units completed to a maximum of \$50 per course.

For more information on registration contact the Developmental Studies Centre, Prince George Campus.

DEVELOPMENTAL STUDIES PROGRAMS GRADES

Because the instruction offered in the D.S.C. is prerequisite to college level instruction, grading is based on

mastery learning. Therefore, students receive either an "S" or "U". A rough equivalent of an S grade is the A grade.

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 students for admission in 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 through the Continuing Education Division.

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 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.

ABE BASIC UPGRADING PROGRAM

Course work in Basic Upgrading concentrates on communications (English) and Mathematics.

ABE I (grades 1-5) English 010
 Mathematics 010

ABE II (grades 6-8) English 020
 Mathematics 020

ADMISSION REQUIREMENTS: Applicants must be 18 years of age.

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

Sponsorship for ABE 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. ABE I and ABE II studies may require up to five months each.

COMMENCEMENT DATES: On-campus ABE 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: \$50 per course

Student Association:

Full-time \$10

Part-time \$2⁰⁰ per course

Registration: \$15

I.D. Card: \$1

ACADEMIC UPGRADING PROGRAMS

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

ABE III (grades 9-10) (three courses constitute full-time study)

English 030

Mathematics 030

Science 030

ABE IV (grades 11-12) English 040

Mathematics 040

Biology 040

Chemistry 040

Physics 040

(English, Mathematics and two sciences constitute full time study)

ADMISSION REQUIREMENT: Applicants must have basic English and Mathematics skills, must be 18 years of age.

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

Sponsorship for ABE III and ABE 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. ABE III studies usually require four months. ABE IV studies usually require six months.

COMMENCEMENT DATES: On-campus ABE III and ABE 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 CNC's Con-

tinuing Education Division.
FEES: Tuition: \$50 per course
Student Association:

Full-time \$10
Part-time \$2⁵⁰ per course
Registration: \$15
I.D. Card: \$1

BASIC TRAINING FOR SKILLS DEVELOPMENT (BTSD)

Basic Training for Skills Development (BTSD) is another title for Basic Literacy and Academic Preparation programs. Admission criteria for other College programs often mention completion of a certain level of B.T.S.D. as a requirement.

Students completing full-time studies in one of the levels of the Basic Literacy or Academic Preparation programs will receive a certificate of completion for the B.T.S.D. program at that level.

Sponsorship for the B.T.S.D. program may be available through C.E.I.C. (Canada Manpower). C.E.I.C.'s requirements for sponsorship differ from the College's admission criteria for these programs. If you wish to be sponsored by C.E.I.C. for a level of studies in Basic Literacy or Academic Preparation, contact your local C.E.I.C. office and inquire about the B.T.S.D. Program.

ENGLISH LANGUAGE TRAINING PROGRAMS

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 accessing their skills in English so that they may be placed at the appropriate level of study.

Full-time course

Beginners' 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 course may be offered during the year as demand requires.

FEES: Tuition: \$100
Student Association: \$10
Registration: \$15
I.D. Card: \$1

Part-time Courses

Part-time courses are offered as demand arises.

Beginners' Courses: Cover the material described above.

Intermediate Courses: Designed for those with a basic understanding of English.

Advanced Courses: Offered to those wishing to upgrade their writing and speaking skills to a college entrance level.

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

FEES: Tuition: \$50 per course
Registration: \$15

VOCATIONAL PREPARATION PROGRAMS

A wide range of courses in career planning and job readiness training will be held throughout the year. For further information contact Continuing Education at 562-2131, Local 202.

ADULT BASIC EDUCATION PROGRAMS ADMISSIONS & REGISTRATION

ADMISSION REQUIREMENTS

Admission requirements may vary. Please check the ADMISSION REQUIREMENTS for each program.

ADMISSION PROCEDURES

For Volunteer Adult Literacy Training (VALT):

Contact VALT Coordinator at 562-2131 local 288.

For ABE Basic Upgrading and Academic Upgrading Courses:

- (i) Write or inquire for an application form.
Office of Admissions and Registration
College of New Caledonia
3330 22nd Avenue
Prince George, B.C. V2N 1P8
562-2131 loc. 352

- (ii) The completed application form should be submitted to the College.

- (iii) These programs may require pre-testing for placement. Applicants will be assigned a test date upon receipt of the application.

- (iv) Persons requiring program advice are encouraged to consult with a counsellor.

- (v) Students must register at the time indicated on their Permission to Register Letter. Registration is not complete until all fees have been paid.

- (vi) Students contemplating changing courses should consult with a counsellor. All course and section changes require College approval.

- (vii) To withdraw from a course students should have the instructors complete a Course Drop form and submit it to the Office of Admissions and Registration.

For Grade 12 Equivalency tests (GED), English Language Training, and Vocational Preparation Programs:

- (i) Inquire at the Registration Office for Continuing Education (level two, Vanderhoof Building). 562-2131 Loc. 359 or 562-3532.

- (ii) Applicants must pay for programs at the time of application.

(iii) Persons requiring program advice are encouraged to consult with a counsellor.

(iv) To withdraw from a course, return the Income Tax Receipt to the Registration Office for Continuing Education.

PRIORITY

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

SPECIAL ADMISSION

Special admission may be granted to enter a program or course where the admission requirements or course prerequisites have not been met upon the written recommendation of a counsellor and the instructor with the signed authorization of the appropriate Director.

WITHDRAWAL

A student who has completed less than 50 percent of the course work may withdraw without academic penalty.

A student who has completed 50-75 percent of the

course work and who has maintained a "C" grade, or better, may withdraw without academic penalty.

A student who withdraws after completing more than 75 percent of the course work will receive an "F" grade. The assignment of the "F" grade may be appealed through the appropriate Director.

NOTE: Students who withdraw after the final withdrawal deadline will receive an "F" Grade.

Students have the right to appeal any Grade assigned by the College.

TERMINATION

A student who accumulates 5 days of unexcused absences may be terminated from the course by the Director upon recommendation of the instructor.

READMISSION

A student who received a "0" Grade must have the appropriate Director's permission for readmission to the College.

A student who withdraws from a course and applies for readmission will be placed on the bottom of the waiting list for that course.

ADULT BASIC EDUCATION PROGRAMS FEES & EXPENSES

FEES

Fees may vary. Please check the FEES for each program. No fees will be charged to Senior Citizens.

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 Center or your local CEIC Office.

SPONSORED STUDENTS

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

ABE STUDENT ASSISTANT PROGRAM (ABESAP)

ABESAP is a provincially sponsored program established to give financial aid to Adult Basic Education students enrolled at Secondary/Post-Secondary institutions. This program will help needy students with direct educational costs such as tuition, books, supplies and related expenses. Contact the Financial Aid Officer.

PAYMENT OF FEES

Tuition and Student Association fees are collected at the time of registration. Canada Employment sponsored

students must pay the \$15 Registration Fee, the Student Association Fee, and the \$1 I.D. Card Fee. Other sponsored students may present a letter from the sponsoring agency promising payment.

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 Registrar.

MISCELLANEOUS FEES

Grade Appeal	\$5
Transcript	\$5
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.

HOUSING AND MAINTENANCE EXPENSES

The average cost for room and board in Prince George is \$250 - \$350 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 percent refund of fees will be made if the student withdraws within two weeks after commencement of classes or prior to completion of 15 percent of the

course in courses / programs less than 4 months in length.

b) A 50 percent 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 percent of the course in courses/programs less than 4 months in length.

ths in length.

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

ADULT BASIC EDUCATION PROGRAMS GRADES & TRANSCRIPTS

To ensure maximum involvement of the student in the learning process, CNC follows a policy of continuous evaluation in determining grades. All final grades are issued by the college through the office of the Registrar.

EVALUATION AND GRADING GRADES

Alphabetic symbols may be used to report academic success.

LETTER GRADE

A Outstanding achievement

B plus

B Good achievement

C plus

C Satisfactory achievement. The lowest standing on which to base further study in a discipline.

P Pass. Standing below that required for further study in a discipline. Permission is required to continue in a sequential course.

F Fail. Unsatisfactory achievement.

G A Student who has demonstrated comprehensive mastery of a course but because of illness or family affliction is unable to complete a final assignment or unable to sit a final examination, may be awarded "Aegrotat" standing. The "G" designation, followed by a regular letter grade, indicates appropriate credit will be given for the course.

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 Satisfactory achievement in courses where letter grades and not assigned.

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.

N A student who completes no assignments for grading and who fails to officially withdraw from the course will receive an "N" grade. The "N" designation carries a grade point of "0" and will be incorporated in the student's grade point average.

TER This signifies that the student was terminated from the applicable course by the College.

STATEMENT OF GRADES

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 or certificate 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.

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 Office of Admissions and Registration at a cost of \$5 per copy. The College will forward transcripts to other institutions or potential employers, etc. only with the specific permission of the student involved.

ADULT BASIC EDUCATION COURSES

A placement test will be required for all students wishing to take Adult Basic Education courses.

SPECIAL ADMISSION

Special Admission may be granted to enter a program or course where the admission requirements or course prerequisites have not been met upon the written recommendation of a counsellor and the instructor with the signed authorization of the appropriate Director.

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 as evaluated by a placement test.

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: Science 030 or as evaluated by a placement test.

ENGLISH

ENGL 010 Basic Literacy

This course covers language skills including phonics, vocabulary and reading development up to the Grade 5 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: English 010 or as evaluated by a placement test.

ENGL 030 Intermediate Preparatory English

Course topics include paragraph and theme writing, reading skills, business letters, composition, and literature.

PREREQUISITES: Engl 020 or as evaluated by a placement test.

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: English 030 or as evaluated by a placement test.

MATHEMATICS

MATH 010 Whole Number Arithmetic

This course is an introduction to basic arithmetic, including whole numbers, addition, subtraction, multiplication, and division.

PREREQUISITE: As evaluated by a placement test.

MATH 020 Basic Preparatory Mathematics

This course is a review of basic operations in whole

numbers, fractions, decimals, and percent.

PREREQUISITE: As evaluated by a placement test.

MATH 030 Intermediate Preparatory Mathematics

This course includes an introduction to the metric system, ratio and proportion, roots and powers, manipulation of formulas, an introduction to algebra, and basic geometry.

PREREQUISITE: Math 020 or as evaluated by a placement test.

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.

PREREQUISITES: Math 030 or as evaluated by a placement test.

PHYSICS

PHYS 040 Advanced Preparatory Physics

Basics at a Grade 11-12 level. Topics include mechanics, electricity, magnetism, heat wave theory, light, and sound.

PREREQUISITE: Math 030 or Science 030 or as evaluated by a placement test.

CO-REQUISITE: Math 040 or prior completion of Algebra II.

SCIENCE

SCI 030 Basic General Science

This course is divided into four topics of study: Biology, Chemistry, Earth Science and Physics. For credit, two of these topics must be taken. The choice of topics should depend on the future goals of the student.

PREREQUISITE: ABE II or as evaluated by a placement test.

ACADEMIC & CAREER PROGRAMS (University, Business, Technical)

NOTE: Special admission may be granted to enter a program where the admission requirements have not been met, upon the written recommendation of a counsellor and the instructor with the signed authorizations of the appropriate Director or Registrar.

AGRICULTURAL SCIENCES

The Faculty of Agricultural Sciences, University of British Columbia, is cooperating with CNC to offer some first and second year Agricultural Science courses which allow CNC university transfer students to complete at least the requirements for the first year of the 4-year UBC program leading to a Bachelor of Science in Agriculture degree. B.Sc. (Agr) graduates finding employment opportunities in primary agriculture; in the agriculture service industry; with financial, education and research institutions; and as private consultants.

ADMISSION REQUIREMENTS: There are two routes available for admission into U.B.C. Agricultural Sciences:

(1) First Year Entry at CNC

a) Students must meet the general Academic / Technical Programs admissions requirements to CNC as listed on Page 29.

b) In addition to (a), to register for Agricultural Sciences at CNC the following U.B.C. admission requirements must be met: English 11 and 12; Social Studies 11; French 11; or a foreign Language 11; Algebra 11 and 12; at least two of Biology 11, Chemistry 11, and Physics 11; one of Chemistry 12, Physics 12, Geometry 12, Geology 12, or Biology 12; a course number "12" chosen from other arts and sciences as listed in the Senior Secondary Curriculum.

(2) Admission to U.B.C. Agricultural Sciences at CNC may also be gained after the successful completion of one full year of university transfer courses at CNC.

LENGTH OF PROGRAM: Minimum 2 semester.
COMMENCEMENT DATE: September

THE PROGRAM: SEMESTER I:

UBC Agricultural Sciences 100	AGSC 100
UBC Agricultural Sciences 110	AGSC 110
Biology for Science Majors I	BIO 101
Calculus I	MATH 101
Fundamentals of Chemistry I	CHEM 101
or Introduction to Chemistry I	CHEM 103
Literature and Composition I	ENGL 101
Principles of Economics	
--Macroeconomics	ECON 201

SEMESTER II

UBC Animal Science 258	ANSC 258
or alternate Agricultural Sciences course	
Biology for Science Majors II	BIO 102
Calculus II	MATH 102
Fundamentals of Chemistry II	CHEM 102
or Introduction to Chemistry II	CHEM 104
Literature and Composition II	ENGL 102
or Composition and Style	ENGL 103
Principles of Economics	
--Microeconomics	ECON 202

Students interested in Agricultural Sciences should contact the UBC Agriculture representative or a counsellor at the College of New Caledonia.

APPLIED SCIENCE (ENGINEERING) U.B.C.

In British Columbia Engineering training consists of five years of post-secondary education leading to a Bachelor of Applied Science degree (B.A. Sc.) awarded by the University of British Columbia.

Engineering studies at U.B.C. are offered in nine different fields of specialization. They are: Bio-Resource Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Geological Engineering, Mechanical Engineering, Metallurgical Engineering, Mineral Engineering, and Engineering Physics.

ADMISSION REQUIREMENTS: Grade 12, GED, or ABE IV; Algebra 12 or Mathematics 040, Chemistry 11, and Physics 11.

RECOMMENDED: Physics 12, Chemistry 12, Geometry 12.

LENGTH OF PROGRAM: Two years at C.N.C. followed by three years at U.B.C.

COMMENCEMENT DATE: September

FEES: See Page 30

THE PROGRAM:

The Applied Science program is undergoing extensive revision. For further information contact the Counselling Centre. Call 562-2131 Local 360.

ASSOCIATE OF ARTS Diploma

ADMISSION REQUIREMENTS: Grade 12, ABE IV or GED English 12 or English 040 is required for admission. The GED meets the general admission requirements but does not meet specific course prerequisites where applicable.

To obtain an Associate of Arts Diploma a student must complete 60 credit hours of approved courses according to the following schedule:

21 credit hours must be from the 200 level

24 credit hours must be obtained at CNC (including the last 12)

6 credit hours must be from English 101, 102, 103, or 104

6 credit hours must be from the Natural Sciences:

Astronomy	Geology
Biology	Mathematics
Chemistry	Physics
Geography	

36 credit hours must be from the Liberal Arts or Social

Sciences:

Anthropology	English	Philosophy
Art	French	Political Science
Criminology	History	Psychology
Economics	Music	Sociology

These must include:

6 credit hours from English 101, 102, 103, or 104

6 credit hours from the Social Sciences:

Anthropology	Political Science
Criminology	Psychology
Economics	Sociology

The remaining credit hours must be selected from approved college courses. Approved courses will include all University Transfer courses as well as other designated courses. For more information contact the Counselling Centre.

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, GD or BTSD IV.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September or January.

FEES: See page 30

BUSINESS ADMINISTRATION AND MANAGEMENT PROGRAMS Diploma

Two year Diploma Programs are offered in:

Accounting and Finance
Business Management
Computer Information Systems
Marketing Management

These programs will prepare students for entry into management trainee and specialist positions in a wide range of business 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.

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 69 of Business Administration Transfer Guide.

The focus of the program is thus on a combination of technical and management skills plus technical and management concepts which the students can apply to their 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 lecturers, field trips and through contact in the classroom with students with experience in the business community.

ADMISSION REQUIREMENTS: Grade 12, GED, or ABE IV; English 12 or English 040, Algebra 11, Math 11, or Business and Consumer Math 11, or Math 040.

People without Grade 12, but with business experience, are encouraged to apply. (See ADMISSION REQUIREMENTS on Page 29).

RECOMMENDED: Students contemplating the Computer Information Systems program are strongly recommended to take Algebra 12 and courses in introductory data processing or computer science. Proficiency in typing would be beneficial.

LENGTH OF PROGRAMS: 4 Semesters.

COMMENCEMENT DATES: September. Part-time is possible in January. Students should consult a Counsellor.

FEES: See page 30

OTHER EXPENSES: Estimated \$250

ACCOUNTING AND FINANCE DIPLOMA

This program is offered 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 program, and the selection of courses offered is intended to maximize transfer credit to the professional accounting programs offered by the Institute of Chartered Accountants, the Society of Management Accountants, and the Certified General Accountants Association. Students interested in this program are strongly encouraged to seek advice on these professional accounting programs prior to enrollment in second year studies. 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.

BUSINESS MANAGEMENT DIPLOMA

This program prepares students for junior or trainee management positions in a wide range of businesses and government 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 a student a broad spectrum of content in such fields as marketing, finance, law, organizational behaviour, human relations and economics. Students on this program will be able to select elective courses in second year to suit individual needs.

COMPUTER INFORMATION SYSTEMS DIPLOMA

One of the newest additions to the office, the laboratory, the school, and the home, is the Digital Computer. The tendency to collect ever increasing amounts of data, and to transform it into meaningful information has resulted in an explosion in the field of Computer Information Systems. The computer has in recent years become very much cheaper so that today computers are found virtually everywhere information has to be processed and reported.

The application of a computer to modern business problems requires a great deal of human planning and preparation. The results of processing must be both timely and accurate. The computer is a very fast, accurate machine which must be given very careful instructions to solve a problem. This requires careful analysis of the problem, definition of a solution, and the expression of this solution in terms a computer can process.

Many diverse career opportunities exist in data processing. There are sales persons, maintenance engineers, operators, systems analysts, programmers, auditors and managers. The Computer Information System program offered at C.N.C. trains business programmers.

A business programmer must be adept at translating user requirements to the language of the computer. Thus, the training provided emphasizes both the

technical skills necessary for the programmer to interface with the computer equipment, and the essential business skills necessary for the programmer to relate to the business people and problems that form the working environment.

The College has recently installed a very modern interactive computer for use by the Students, Faculty, and the College Administration. The equipment enables the College to teach the latest computer processing techniques. All students graduating from this program will have the benefit of several hundred hours of actual, hands-on experience.

All studies show that the need for personnel trained in business data processing is rising at a very rapid rate, and that there will be a shortage of such personnel for the foreseeable future.

MARKETING MANAGEMENT DIPLOMA

This option prepares students for a career in either the field of consumer marketing or industrial marketing. Excellent career paths are available to the graduates of this program in the area of management trainee in industrial and retailing firms, in sales and sales management; in advertising and sales promotion; in product and market development and in Marketing research. Employment opportunities are numerous in the field of Marketing in both large companies and small companies. This program is designed to allow graduates to assume a direct role with companies in the field and provide the background necessary to progress toward managerial positions.

THE PROGRAM:

Semester 1 is common to all Diploma Programs. This semester provides students with introductory courses in all program areas, and with an opportunity to assess their own interests and aptitudes. An explicit part of all first year courses consists of career information as an integral part of the course and students are strongly encouraged to take full advantage of this opportunity.

In Semester 2, students taking the CIS program take several courses which are unique to this program and which are prerequisite to second year studies. Students on all other programs take a common second semester and will be able to make a choice of program prior to entry into second year. We recommend that students consult faculty in the various program areas regarding course and program selection.

In Semesters 3 and 4, courses are very specialized in CIS, Accounting-Finance and Marketing. Students making program alterations after the commencement of second year will find little interchangeability between these programs. The Business Management Diploma however, is structured in such a way that maximum credit can be obtained for all second year courses from other Diploma Programs.

SEMESTER I

COMMON TO ALL PROGRAMS

Introduction to Computers and Data Processing	CIS 151-3
Introductor to Programming (BASIC)	CIS 153-3
Accounting I	ACC 151-3
Marketing I	MKT 151-3
Management I	MGT 151-3
Mathematics of Finance	MATH 154-3
Effective Communication	ENGL 151-3

SEMESTER II

COMMON TO ACCOUNTING, MARKETING, BUSINESS MANAGEMENT

Accounting II	ACC 152-3
Applications to Accounting	ACC 156-1
Introduction to Business Statistics	MATH 157-3
Effective Communication II	ENGL 152-3
Marketing II	MKT 152-3
Management II	MGT 152-3
Credit and Collections	CCO 162-3

CIS PROGRAM	
Advanced Programming (BASIC)	CIS 154-3
Applications Programming I (COBOL)	CIS 172-3
Systems Analysis and Design I	CIS 162-3
Computer Operations and Management	CIS 182-3
Accounting II	ACC 152-3
Applications in Accounting	ACC 156-1
Effective Communication II	ENGL 152-3

SEMESTER III

ACCOUNTING AND FINANCE PROGRAM

Intermediate Accounting I	ACC 251-3
Cost Accounting I	ACC 253-3
Financial Management I	ACC 257-3
Business Law I	LAW 293-3
Principles of Economics (Micro)	ECON 211-3
Information Systems for Management	CIS 285-3

BUSINESS MANAGEMENT DIPLOMA

Business Law I	LAW 293-3
Financial Management I	ACC 257-3
Economics I	ECON 251-3
(4 Business Electives)	

CIS PROGRAM

Advanced Business Communications	CIS 251-3
Systems Analysis and Design II	CIS 261-3
Applications Programming II (COBOL)	CIS 271-3
Business Systems and Applications	CIS 281-3
Programming Languages (FORTRAN, RPG II)	CIS 253-3
Introduction to Business Statistics	MATH 157-3
Directed Studies in Marketing I	MKT 291-3
Human Relations in Business	MGT 261-3

MARKETING PROGRAM

Business Law I	LAW 293-3
Economics I	ECON 251-3
Management Marketing Accounting I	MKT 261-3
Consumer Behaviour and Marketing Research	MKT 271-3
Salesmanship	MKT 281-3
Directed Studies in Marketing I	MKT 291-3
Human Relations in Business	MGT 261-3

SEMESTER IV

ACCOUNTING AND FINANCE PROGRAM

Intermediate Accounting II	ACC 252-3
Cost Accounting II	ACC 254-3
Financial Management II	ACC 258-3
Business Law II	LAW 294-3
Principles of Economics (Macro)	ECON 212-3
Organizational Behaviour	MGT 262-3

POST-DIPLOMA COURSES

Advanced Accounting	ACC 353-4
Taxation	ACC 361-4

BUSINESS MANAGEMENT DIPLOMA

Business Law II	LAW 294-3
Financial Management II	ACC 258-3
Economics II	ECON 252-3
(4 Business Electives)	

CIS PROGRAM

Project Programming	CIS 262-3
Maintenance Programming	CIS 272-3
Computer Aids to Management	
Decisions	CIS 282-3
Information Resource Management	CIS 284-3
Organizational Behaviour	MGT 262-3
Cost Accounting Principles	CIS 292-3

MARKETING PROGRAM

Marketing Law	LAW 296-3
Economics II	ECON 252-3

Marketing Management II	MKT 252-3
Marketing Management Accounting II	MKT 262-3
Advertising and Sales Promotion	MKT 266-3
Retailing and Merchandising	MKT 276-4
Directed Studies in Marketing II	MKT 292-8

BUSINESS ADMINISTRATION PROGRAMS Certificate

Certificate Programs in Accounting and Finance, Management Studies, and Business Management are currently offered. Certificate programs in Computer Programming and in Marketing are under review and details of new programs will be released as soon as approved.

ACCOUNTING AND FINANCE CERTIFICATE

Intermediate Accounting I and II	ACC 251-3 and 252-3
Cost Accounting I and II	ACC 253-3 and 254-3
Financial Management I and II	ACC 257-3 and 258-3
Business Law I and II	LAW 293-3 and 294-3
Economics	ECON 201-3 and 202-3
Information Systems for Management	CIS 285-3
Organizational Behaviour	MGT 262-3

NOTE: ACC 151-3 and 152-3 are prerequisites to all second year accounting courses.

CIS 151-3 and 153-3 are prerequisites to CIS 285-3.

CERTIFICATE PROGRAM IN MANAGEMENT STUDIES

This certificate program is designed to meet the needs of those who are already employed in business and government, and who wish to access training in management and supervision.

The program is comprehensive in nature, and includes courses in Computer Applications, Financial Management and Cost Control, Applied Management Communication, Personnel, Industrial Relations, as well as basic courses in Management, Human Relations and Supervisory Skills. Practical and applied skills are developed throughout, as well as the conceptual framework required in management.

Individuals employed in a wide range of organizations and functional roles are served by this program. The Forest and Mining Industries, Health and Educational Institutions, Local, Provincial and Federal Government organizations, and service businesses in such fields as Retailing, Transportation, Banking and Finance will all find this program relevant to their needs.

No specific educational prerequisites are attached to this program, but all participants should have at least three years work experience.

Management I	MGT 151-3
Management II	MGT 152-3
Computer Applications in Management	MGT 153-3
Finance and Cost Control	MGT 154-3
Personnel	MGT 263-3
Industrial Relations	MGT 264-3
Human Relations	MGT 261-3
Organizational Behaviour	MGT 262-3
Applied Management Communications	MGT 265-3
Management Skills for Supervisors	MGT 266-3

All ten courses are required. However, applicants will be given full credit for courses of a similar nature which have already been taken at C.N.C. or at other institutions. In some cases, exemption may be given for work experience or for in-service training which has been completed. All current CNC courses in management are fully transferable to this program.

Those wishing to take the Certificate should consult the College as to an appropriate course sequence and in regards to currently scheduled course offerings and locations.

All courses will be offered in a format which is suitable for the needs of those already fully employed and those employed in all communities in the College Region.

Courses may be taken in a sequence. It is recommended but not essential to take Management I before Management II, and the Cost/Finance course before the Computer Applications course.

BUSINESS MANAGEMENT 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 C.N.C. is prepared to grant credit towards the Certificate for course work in Business Administration completed at other institutions.

Where the business experience of the students overlaps course work, an exemption from the course may be granted by C.N.C. In that case, the student is free to challenge any C.N.C. courses, and a successful challenge will result in the student being granted the appropriate C.N.C. credit.

In terms of credit for courses taken elsewhere, in terms of exemption 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 they feel is more 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.

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.

Accounting I	ACC 151-3
Accounting II	ACC 152-3
Management I	MGT 151-3
Marketing I	MKT 151-3
Financial Management I	ACC 257-3
Financial Management II	ACC 258-3

The remaining four courses may be selected from any C.N.C. courses in Business Management (CIS, ACC, MKT, MGT) or in Economics (ECON).

MANAGEMENT SKILLS FOR SUPERVISORS

Management Skills for Supervisors involves 12 days of integrated material covering a broad range of management issues. The 12 days are divided into three parts, each dealing with a particular group of skills:

- Part I: Interpersonal Skills
- Part II: Group Skills
- Part III: Administrative Skills

The programme is designed to be highly experiential in nature, actively involves the participants in their own learning. To that end, structured experiences, role plays, media experiences, self scoring inventories, and discussions are employed and supported by relevant theoretical concepts.

Over 2,000 managers / supervisors from the private and public sector in British Columbia have been involved in the programme, which is being offered at six B.C. community colleges. Each of these colleges will give credit for partial course completion at another college offering the programme. Management Skills for Supervisors is provincially certified by the Ministry of Education, which will issue a certificate upon successful completion.

COMMERCE

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

ADMISSION REQUIREMENTS: See page 29

LENGTH OF PROGRAM: 4 Semesters

COMMENCEMENT DATE: September.

FEES: See page 30

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 102-3

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 take math 103-104 should consult a counsellor about required second year Math courses.

CONSTRUCTION ENGINEERING TECHNOLOGY Diploma

Over one million people in Canada are employed in construction and in the production and merchandising of related equipment and material.

Advances in technology demand that modern buildings as well as service structures such as hydro dams, bridges and roads meet rigorous standards of workmanship and safety. At the same time they must provide an efficient and environmentally compatible structure.

As a result of the dynamic and varied nature of the industry, careers opportunities for technicians and For technologist encompass a large spectrum. The Con-

struction Engineering Technology Program is designed to give the student a general background over a large part of this spectrum, with emphasis on that area dealing with the design and construction of buildings.

Graduates of the Program fill technological positions between the professional designer / manager and the skilled tradesman. With the addition of on-the-job experience, graduates will be able to attain such positions as materials testing technicians, senior draftspersons, job captains, specification writers, estimators, contract managers, construction supervisors, construction managers, building inspectors, property manager and technical representatives for building supplies and equipment manufacturers and suppliers.

A construction engineering technologist must be able to read and draft construction drawings, calculate quantities, judiciously inspect materials and operations, perform construction surveys, interpret and apply specifications and contracts. He or she must have a sound understanding of the design construction process, contracts, codes and building standards as well as the materials, tools and operations involved in a variety of building trades. In addition, the graduate must be able to communicate effectively with a variety of project related personnel using graphic, written and oral means.

The program is accredited by the Society of Engineering Technologist of British Columbia at the level of Technician. In addition, several courses are recognized as equivalencies to courses given by the Royal Architectural Institute of Canada Syllabus Program.

The program has undergone changes over the past two years. These are expected to continue over the next two years in order to better meet the requirements of the industry and provide the student with improved transferability to supplementary post-diploma training, especially in the areas of quantity surveying, engineering, architecture and management.

Applicants should be skilled in the use of the English language, have good mathematic and graphic aptitudes and be interested in the physical sciences.

ADMISSION REQUIREMENTS: Grade 12, GED or ABE IV. This must include English 12 or English 040, Algebra 11 or Math 040. GED meets the general admission requirements but does not meet specific course prerequisites where applicable.

RECOMMENDED: Algebra 12, Physics 11, Drafting 9/10.

NOTE: Advanced standing to the second trimester of the program will be considered for those students with the following: Algebra, Physics 12 or PHYS 105, CIS 153.

LENGTH OF PROGRAM: 6 Trimesters over a period of two years.

THE PROGRAM:

TRIMESTER 1 (Fall) Beginning first week in September:

English Developmental Studies	ENGL 155-3
Introduction to Computers	CIS 153-3
★ Math Developmental Studies	MATH 155-3
or Pre Calculus Math	MATH 100-3
Physics	PHYS 105-3
Surveying 1	SURV 151-4
Introduction to Construction	CONS 150-2
★ Depending on Math background	

TRIMESTER 2 (Winter) Beginning second week in January:

Technical Communications	TCOM 180-3
Design 1	CONS 161-3
Materials 1	CONS 151-3
Drafting	DRAF 153-3
★ Pre Calculus Math	MATH 100-3
Elective	

★ for those students not taking Math 100 in the fall.

TRIMESTER 3 (Spring) Beginning first week in April:

Materials II	CONS 152-3
Light Wood Framing	CONS 153-3
Soils	CONS 157-2
Drawing and Interpretation	DRAF 154-3
Surveying 1	SURV 152-3

TRIMESTER 4 (Fall) Beginning 3rd week in September:

Design II	CONS 171-4
Materials III	CONS 251-3
Building Regulations	CONS 254-3
Construction Law	CONS 265-3
Heating, Ventilation and Air Conditioning	CONS 285-4
Electrical and Illumination	CONS 286-3
Plumbing	CONS 287-2

TRIMESTER 5 (Winter) Beginning 2nd week in January:

Materials IV	CONS 252-3
Estimating 1	CONS 281-3
Municipal Engineering	CONS 267-4
Design III	CONS 271-3
Introduction to Management	CONS 274-2
Project (continues to term VI)	CONS 288

TRIMESTER 6 (Spring) Beginning 1st week in April:

Estimating 11	CONS 262-3
Construction Management	CONS 282-4
Construction Equipment	CONS 283-3
Project	CONS 288-3

CRIMINOLOGY PROGRAM

S.F.U. Certificate

This 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 within the criminal justice system.

A special feature of the Criminology Program is that graduates will develop specific competencies and knowledge in the criminal justice field while at the same time completing university transfer course work.

Students complete the requirements for the Certificate by taking courses offered by CNC on the Prince George campus together with courses offered by S.F.U. through its Directed Independent Study Courses (DISC) Program. This makes the program especially accessible to part-time students requiring a flexible schedule.

A CNC Counsellor can provide details about the program and development individual plans for study.

ADMISSION REQUIREMENTS: Students wishing to enter directly into the program must meet the admission requirements of S.F.U. However, students unable to meet these standards may be able to enroll in some of the courses of the program and use the credit toward the certificate at a later date.

CNC courses see page 40

For S.F.U. courses contact a Counsellor.

LENGTH OF PROGRAM: Varied

COMMENCEMENT DATE: September or January

FEES: For CNC courses see page 30

For S.F.U. (DISC) courses contact a Counsellor

ELECTRICAL-ELECTRONICS TECHNOLOGY

Diploma

Students in Electrical-Electronics Technology, after successfully completing their first three terms and one co-op work term at C.N.C., transfer to B.C.I.T. for terms four and five and a second work term.

Students also have the option of transfer to Kwantlen College (Surrey) to complete their diploma. Kwantlen offers options in Electrical Power, Electronics and Computer Engineering.

Program options in terms four and five include Control Electronics, Instrumentation, Power, Telecommunications, and Microelectronics.

Graduates will find employment in utilities, government agencies and electronics firms. Entrepreneurial opportunities are abundant.

ADMISSION REQUIREMENTS: Grade 12, GED or ABE IV; Algebra 12 or MATH 040, Physics 11 or PHY 040; English 12 or ENGL 040.

NOTE: Chemistry 11 or CHEM 040 is required for those students wishing to transfer into the Instrumentation Option at B.C.I.T. The GED meets the general admission requirements but does not meet specific course prerequisites.

RECOMMENDED: Physics 12

LENGTH OF PROGRAM: Five 15-week academic levels and two 15-week co-op work terms (optional). The student must complete academic levels four and five at B.C.I.T. but will have the flexibility to transfer after any of levels one, two, or three.

FEES: See page 30

EXPENSES: Students should budget \$200 per year for electronics projects.

THE PROGRAM:

TERM 1 (Available at C.N.C. September-December)

Technology Mathematics 1	TMTH 181-3
Technology Physics 1	TPHY 181-3
Technology Programming	TPRG 186-2
Technology Circuit Analysis 1	TELE 183-3
Technology Shop Practice	TELE 181-2

TERM II (Available at C.N.C. January-April)

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 Printed Circuit Fabrication	TELE 183-3
Technology Digital Techniques	TDGS 186-3
Technical Communications	TCOM 180-3

TERM III (Available at C.N.C. September-December)

(Available at B.C.I.T. May-August)

Technology Electronic Circuits	TELE 201-3
Technology Pulse Circuits	TELE 202-3
Technology Digital Circuits	TELE 203-3
Technology Telecommunications	TELE 204-3
Technology Transducers	TELE 205-3
Technology Electrical Equipment	TELE 206-3

CO-OPERATIVE WORK TERM N° 1 (Available at C.N.C. January-April)

This term is a sixteen-week work period in the employ of an electronics-electrical related business. The student will perform work-related functions that will complement academic training and give him or her valuable hands-on industrial experience. Successful completion of the co-op will be judged by the employer and the College and is required before continuation in the co-op program. The student is paid a competitive salary during his/her work term.

CERTIFICATE: It is possible that students successfully completing level III will be awarded a Technician Certificate. Currently this is under review with the Society of Engineering Technologists. In any event, all students are able to continue on toward a Diploma.

FINE ARTS

The College of New Caledonia offers, in co-operation with Emily Carr College of Art and Design, the Foundation Year of ECCA and D's Fine Arts Diploma program. This program is offered on weekends and evenings for credit and those students who wish to take the program for general skill development.

The program is offered over a two year period and completing students then may transfer to ECCA and D in Vancouver to finish the Diploma Program.

For further information and/or registration information please contact the Counselling Centre.

The College also offers a variety of other visual arts programs for those students who wish to improve their skills or to learn new skills. These courses are offered as students and instructors are available and non-credit in nature. For additional information please contact Admissions and Registration.

FOREST RESOURCE TECHNOLOGY

Diploma

The Forest Resource Technology program offers a wide variety of careers normally placing the individual outdoors. Graduates find jobs in Harvesting, Reforestation, Engineering, Protection, Research, and Management.

The program underwent extensive revision in 1983 and now has a broadly-based curriculum. Liaison with the Forest Industry is excellent and graduate placement is normally very high. Future trends indicate there will be an increasing demand for forest technologists and graduate placement will be very high especially given the pressure toward intensive forest management.

ADMISSION REQUIRES: Grade 12, GED, ABE IV, Algebra 12 or Math 040, Biology 11 or Bio 040 and English 12 or Engl 040. The GED meets the general admission requirements but does not meet specific course or program prerequisites where applicable.

RECOMMENDED COURSES: Forestry 11, Chemistry 11, Physics 11, or Drafting 11.

LENGTH OF PROGRAM: Sixty-four 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 27, 1984, Second Year - August 27, 1984

FEES: See page 30

EXPENSES: (estimated)

Per Year	- Equipment	- \$250
	- Clothing	- \$130
	- Field Trips	- \$150

THE PROGRAM:

SEMESTER 1

English Developmental Studies	ENGL 155-3
Mathematics 1	MATH 151-3
Field School	FOR 150-1
Forest Products	FOR 154-3
Dendrology and Silvics	FOR 155-3
Forest Soils and Hydrology	FOR 157-3
Forest Measurements 1	FOR 161-4
Fire Control 1	FOR 165-3
Photo Interpretation and Mapping 1	FOR 171-3
Drafting	FOR 173-2

SEMESTER 2

Technical Communications I	TCOM 180-3
Mathematics II	MATH 152-4
Botany and Ecology	FOR 156-4
Forest Measurements II	FOR 162-5
Fire Control II	FOR 166-3
Photo Interpretation and Mapping II	FOR 172-3
Forest Drafting II	FOR 174-2
Spring Field School	FOR 199-1

SEMESTER 3

Technical Communications II	TCOM 181-3
Forest Management I	FOR 251-3
Silviculture I	FOR 253-4
Forest Entomology	FOR 255-3
Forest Measurements III	FOR 261-4
Supervisory Skills in Forestry	FOR 267-2
Forest Finance I	FOR 281-3
Roads and Transportation I	FOR 285-5
Logging I	FOR 287-4
Summer Technical Report	FOR 290-2

SEMESTER 4

Forest Management II	FOR 252-4
Silviculture II	FOR 254-4
Forest Pathology	FOR 256-3
Forest Measurements IV	FOR 262-3
Industrial Relations in Forestry	FOR 268-2
Forest Finance II	FOR 282-3
Roads and Transportation II	FOR 286-5
Logging II	FOR 288-4

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 a CNC counsellor prior to enrollment.

MEDICAL LABORATORY TECHNOLOGY

Diploma

Students in the Medical Laboratory Technology program will after successfully completing their year at CNC, transfer to B.C.I.T. 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, GED, ABE IV, Algebra 12 or Math 040, Chemistry 12 or Chem 040, Biology 11 or Bio 040, Physics 11 or Phys 040, English 12 or Engl 040. The GED meets general admission requirements but does not meet specific program or course prerequisites. Colour blindness precludes entry. **LENGTH OF PROGRAM:** 2 semesters at CNC then transfer to B.C.I.T. or Cariboo College to complete the program.

COMMENCEMENT DATE: September.

FEES: See page 30.

THE PROGRAM

SEMESTER 1

★ Developmental English	ENGL 155-3,
Medical Lab Technology	101-3, 102-3 or 103-3
Mathematics I	MATH 161-3
Chemistry for Medical Lab Technologists	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

Technical Communication I	TCOM 180-3
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(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

★ Students may be exempted from English 155 pending results of the English Achievement Test.

NURSING

Diploma

The Nursing Program is designed to meet the requirements of the Registered Nurses Association of British Columbia in preparation for nurse registration (R.N.).

The graduates are members of the health team providing comprehensive nursing care in general medical-surgical, pediatric post partum, normal newborn nursery and psychiatric areas. The graduate will have the potential to function in intensive or critical care areas following additional experience, ongoing education and supervision.

The program provides integrated theory and practical experience.

ADMISSION REQUIREMENTS:

(1) Grade 12, GED, or ABE IV, English 12 or Engl 040, Biology 11 or Bio 040 and Chemistry 11 or Chem 040. GED meets general admission requirements but does not meet program or course prerequisites.

(2) Applicants who meet the College criteria for Mature Student Status may apply. Biology 11 or Bio 040 and Chemistry 11 or Chem 040 are required for admission.

All accepted applicants will be tested to determine basic competency in reading English and arithmetical computation. Applicants who do not meet the required competency level will be given a recommendation for remediation. Re-writes will be given only to those who show evidence of remediation.

A medical examination report attesting to the fact the applicant has four functional limbs, functional vision, and hearing perception and has a general health status suitable for a nursing program, must be submitted before a final acceptance into the program. A chest X-Ray and immunization will be required following final acceptance.

LENGTH OF PROGRAM: General Nursing Option - 22 months extending over 2 and a half years.

COMMENCEMENT DATE: September

FEES: See page 30

THE PROGRAM

SEMESTER 1 (September-December) - 15 weeks

Communications In Nursing	NURS 154-3
Human Anatomy and Introductory Physiology	BIO 115-4
Health - Its Maintenance and Promotion	NURS 151-6
Psychology for Nursing I	PSYC 161-3

SEMESTER 2 (January-April) - 16 weeks

Human Physiology for Nurses	BIO 116-4
The Adult with Common Interferences	NURS 152-12
The Nurses Roles and Responsibilities	NURS 164-2
Psychology for Nursing II	PSYC 162-3

INTERSESSION I (May-June)

Adult with Common Interferences (Continued)	NURS 152-12
Work Session (June, July, or August)	NURS 199-1

SEMESTER 3 (August-December) and SEMESTER 4 (January-April)

The Expanding Family	NURS 261-8
The Child in Health and Illness	NURS 263-8
Professional, Ethical and Moral Issues in Nursing	NURS 251-3
The Individual Experiencing Psychosocial Interferences	NURS 262-8
The Adult with Critical Interferences	NURS 264-8

INTERSESSION II (May-August)

The Individual Requiring Long Term Care	NURS 291-5
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SEMESTER V (June-September or September-December)

The Nurse - A Health Team Member	NURS 299-15
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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.

ADMISSION REQUIREMENTS: See Nursing Program.

In addition, applicants must have current B.C. Licensure as a Practical Nurse plus graduation within the last two years from a Practical Nurse Program or Reference Letter verifying satisfactory performance as an employee in a setting requiring basic nursing skills for one full year or equivalent within the last five years at the Practical Nurse level.

COMMENCEMENT DATE: January

FEES: See page 30

THE PROGRAM

SEMESTER 1 (January-April)

The Adult Experiencing Common Interferences (Access)	NURS 153-7
Communications in Nursing	NURS 154-3
Human Physiology for Nurses	BIO 116-4
Psychology for Nursing I	PSYC 161-3
Psychology for Nursing II	PSYC 162-3

INTERSESSION (May-June)

The Expanding Family (Access)	NURS 265-4
The Child in Health and Illness (Access)	NURS 267-4
The Nurse's Roles and Responsibilities	NURS 164-2

SEMESTER 2 (August - December)

The Individual Experiencing Psychosocial Interferences	NURS 262-8
The Adult with Critical Interferences	NURS 264-8
Professional, Ethical and Moral Issues in Nursing	NURS 251-3

SEMESTER 3 (January-April)

The Individual Requiring Long Term Care (January)	NURS 291-5
The Nurse - A Health Team Member (February-April)	NURS 299-15

REFRESHER COURSE FOR NURSES

(Contact the Health and Social Science Division)

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: Grade 12, ABE IV, or GED, Biology 11 or Bio 040, or Chemistry 11 or Chem 040 and English 12 or Engl 040. GED meets general admission requirements but does not meet specific program prerequisites.

LENGTH OF PROGRAM: 4 semesters.

COMMENCEMENT DATE: September

FEES: See page 30

THE PROGRAM

SEMESTER I

An Introduction to the Study of Sport	PE 121-3
Biodynamics of Physical Activity	PE 123-3
Scientific Basis of Athletic Conditioning	PE 103-2
Two non - P.E. electives from University Transfer Courses	
100 Level University Transfer English	

SEMESTER II

Dynamics of Motor Skill Acquisition	PE 124-3
Two PE Performance courses	
Two non-P.E. electives from University Transfer Courses	
100 Level University Transfer English	

SEMESTER III

Human Functional Anatomy and Applied Physiology I	PE 203-3
Two P.E. Performance courses	
Two non-P.E. electives from University Transfer Courses	
200 Level University Transfer English	

SEMESTER IV

Human Functional Anatomy and Applied Physiology II	PE 204-3
Sport in Canadian Society	PE 222-3
Two P.E. Performance courses	
Two non-P.E. electives from University Transfer Courses	
200 Level University Transfer English	

NOTE 1: Students should refer to the appropriate university calendar as a guide to selecting electives, or contact a counsellor.

NOTE 2: Students who intend to enter Sport Management stream at UBC should enroll in Economics 202.

NOTE 3: Students should select courses which are appropriate to the selected stream of specialization:

Teaching/Coaching	
Sports Medicine	Sports Management
-Athletic Trainer	Special Populations
-Exercise Specialist	Lifestyle Management

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 70.

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 REQUIREMENTS: See below.

LENGTH OF PROGRAM: 4 Semesters.

COMMENCEMENT DATES: September or January

FEEs: See page 30

ACADEMIC & CAREER PROGRAMS **(University, Business, Technical)** **ADMISSIONS & REGISTRATION**

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 ABE IV, but must have English 12, Engl 040 or equivalent.

b) GED meets general admission requirements but does not meet specific course prerequisites. Students without Grade 12 may be admitted who: (i) are deficient in no more than two courses for B.C. Secondary School graduation but must have English 12, Engl 040 or equivalent. Deficient courses may be required to be completed while attending CNC.

OR

(ii) 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. Program prerequisites and their equivalent will be examined on an individual basis.

OR

(iii) 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.

SPECIAL ADMISSION: Special admission may be granted to enter a program or course where the admission requirements or course prerequisites have not been met, upon the written recommendation of a counsellor and the instructor with the signed authorization of the appropriate Director.

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 normally 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

Students may Audit courses under the following provisions.

1. There must be a vacancy in the class. Students taking the course for credit are given preference on class lists.
2. The student must request Audit status at the time of registration.

- 3.a) Students requesting a status change from Regular to Audit must do so during the regular College drop period. Students requesting such a change forfeit their seat on the official class list and will be re-assigned if a vacancy exists as outlined in number one above.

- b) Students requesting a status change from Audit to Regular must do so during the regular College add period. Students may only make such a change if there is a vacancy in the class and they have fulfilled all other College admission requirements.

4. Students may not change from Regular to Audit status after the official add / drop period has passed unless approved by a Division Director or Dean.

5. No College credit is awarded for audited courses.

6. The student must pay the regular fee for taking the course.

7. Courses taken on an Audit basis are not considered part of the student's official work load.

ADMISSIONS PROCEDURES

NEW STUDENTS:

(i) Write to or inquire at the office for an application form:

Office of Admissions and Registration
College of New Caledonia
3330-22nd Avenue
Prince George, B.C. V2N 1P8
562-2131

(ii) The completed Application Form, and Secondary School or Post-Secondary transcript, should be submitted to the College as soon as possible. Secondary School students may complete a Progress Report of Secondary School Subjects. This Report 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.

Students are not formally accepted or placed on program waiting lists until transcripts or Secondary School Status Statements are received by the College.

(iii) Applications will be processed and students will be notified by mail of their admission to the College.

(iv) Detailed registration information, including the date and time for registration, will be included with the Permission to Register Letter.

(v) All new students will be required to consult with a counsellor before or during registration.

FORMER STUDENTS RETURNING TO COLLEGE

- (i) All returning students register at the College at the date and time indicated on their Notice of Admission.
- (ii) Students requiring academic advice or counselling are encouraged to consult a Counsellor prior to the formal registration period.

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

REGISTRATION

Students must register at the time indicated on their Permission to Register Letter.

Students will not be admitted to the registration area at times earlier than those indicated on their Permission to Register Letter. 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. **A \$50 late registration fee will be assessed anyone who does not register at the time indicated on their permission to register letter.** Students with extenuating circumstances are advised to see the Registrar.

CHANGE OF COURSE OR SECTION

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

WITHDRAWAL

A student may withdraw from courses without academic penalty or instructor's permission up to the end of the 6th week of the semester. A minimum of 20 percent of the student's final grade will be decided and be made available prior to the end of the 6th week of the semester.

A student may withdraw from courses without academic penalty from the beginning of the 7th week, until the end of the 9th week provided a "P" grade, or better, has been maintained. Students who withdraw after the 9th week will receive an "F" grade. The assignment of the "F" grade may be appealed through the Grade Appeal Procedure.

NOTE: Students who withdraw after the final withdrawal deadline will receive an "F" grade and a grade point of "0" which will be calculated in their grade point average. Students have the right to appeal any grade assigned by the College.

TERMINATION

See page 6. (GENERAL INFORMATION SECTION)

READMISSION

A student who received a "F" grade must have the appropriate Director's permission for readmission to the college.

UNIVERSITY, BUSINESS, TECHNICAL PROGRAMS

A student who withdraws twice from the same course and applies for readmission to that course will be given the lowest priority on the course's waiting list.

NURSING PROGRAMS

A Student who fails a nursing course once will be allowed to apply for readmission.

A subsequent failure in any nursing course will automatically exclude the student from further study and from readmission to the Nursing program.

Nursing students will be readmitted to the program according to the following priorities:

1. A student who has successfully completed the prerequisite courses and/or who, at the time of withdrawal maintained a grade of "C" or better, will have first priority.
2. A student who has failed a nursing course or who has withdrawn from the nursing course with less than a "C" grade standing will be given second priority.
3. A student requesting transfer from nursing programs at other institutions will be subject to the criteria above and will be given third priority.
4. A student who withdraws twice from the same course and applies for readmission to that course will be given the lowest priority on the course's waiting list.
5. A student who is enrolled in the General Nursing Program must complete the program requirements within 5 years of the date of initial enrollment.

A student who is enrolled in the Access Nursing Program must complete the program requirements within 3 and a half years of the date of initial enrollment.

The College reserves the right to refuse readmittance to any student based on its' ability to deliver the appropriate instructional experiences.

FEES

DIPLOMA & UNIVERSITY TRANSFER PROGRAMS

TUITION AND ASSOCIATED FEES Per Semester FULL AND PART TIME ARTS AND SCIENCE UNIVERSITY TRANSFER

Tuition \$50 per course
Lab/Materials \$25 per lab
course (maximum \$50)

Registration	\$15
Student Association	\$3 ⁰⁰ per course (max \$18)
I.D. Card Fee	\$1

NOTE: A University Transfer student having successfully completed any courses in excess of five (5) in one

semester, may apply to be refunded the \$50 tuition fee for those courses in excess of five (5) at the end of the semester involved. It is incumbent upon the student to apply.

FULL TIME CAREER TECHNICAL PROGRAMS

INCLUDING:

NURSING, FORESTRY, BROADCAST TECHNOLOGY, CONSTRUCTION TECHNOLOGY, ELECTRICAL / ELECTRONICS TECHNOLOGY, BUSINESS ADMINISTRATION, APPLIED SCIENCE (i.e. Engineering), AGRICULTURAL SCIENCE, PHYSICAL EDUCATION.

Tuition	\$250 per semester
Lab / materials	\$25 per lab course (maximum \$50)
Student Association	\$3 ⁰⁰ per course (max. \$18)
Registration Fee	\$15
I.D. Card Fee	\$1

PART TIME CAREER TECHNICAL PROGRAMS

Tuition	\$50 per course
Lab / materials	\$25 per lab course
Student Association	\$3 ⁰⁰ per course (maximum \$18)
Registration Fee	\$15
I.D. Card Fee	\$1

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 will be required to present a letter to this effect from the agency concerned at the time of registration.

PAYMENT OF FEES

Tuition, lab fees and Student Association 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 Registrar.

MISCELLANEOUS FEES

Grade Appeal	\$5
Transcript	\$5
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 beyond the fees, they will incur each semester. Costs can be estimated as follows:

Books and supplies	\$200
Local transportation	\$150
Miscellaneous	\$400
Total	\$750

HOUSING AND MAINTENANCE EXPENSES

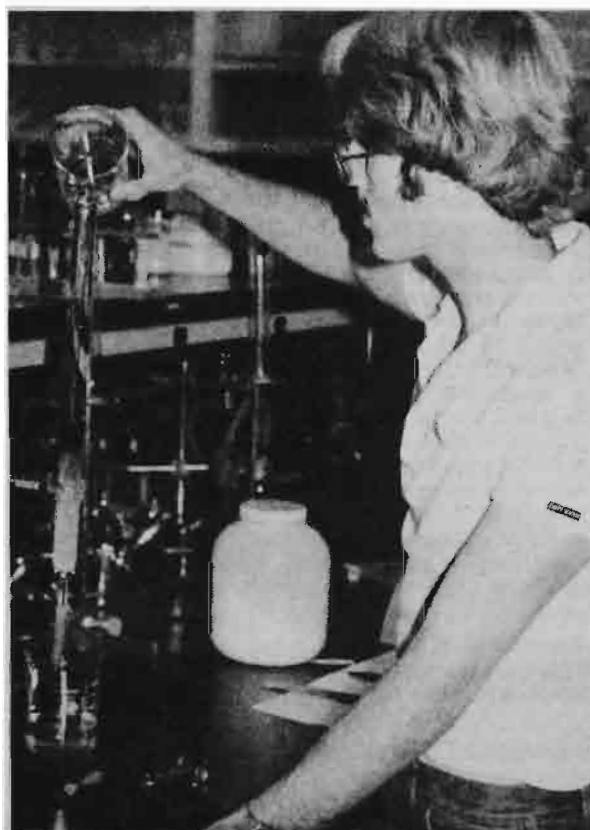
The average cost of room and board in Prince George is \$250 - \$350 per month.

REFUNDS

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

SCALE OF WITHDRAWAL REFUNDS:

- An 80 percent refund of fees will be made if the student withdraws within two weeks after commencement of classes.
- A 50 percent refund of fees will be made if the student withdraws within the third or fourth week after commencement of classes.
- No refund will be made if the student withdraws more than four weeks after commencement of classes, or after 25 percent of the course has been completed in courses/programs less than 4 months in length.



Diploma & University Transfer Programs

GRADES & TRANSCRIPTS

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 plus	3.5
B Good achievement	3.0
C plus	2.5
C Satisfactory Achievement.	2.0
The lowest standing on which to base further study in a discipline.	
P Standing below that required for further study in a discipline. The student is granted college credit to 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 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.	
G A student who has demonstrated comprehensive mastery of a course but because of illness or family affliction is unable to complete a final assignment or unable to sit a final examination, may be awarded "Aegrotat" standing. The "G" designation, followed by a regular letter grade, indicates appropriate credit will be given for the course, and such credit will be incorporated into the student's grade point average.	
N A student who completes no assignments for grading and who fails to officially withdraw from the course will receive an "N" grade.	
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.	★
TER This letter grade signifies that the student was terminated from the applicable course by the college.	

★ Not included in the calculation of the grade point average.

STANDARDIZED GRADING SYSTEM

A	88 percent - 100 percent
B plus	81 percent - 87 percent
B	74 percent - 80 percent
C plus	67 percent - 73 percent
C	60 percent - 66 percent
P	50 percent - 59 percent

FOR PROGRAMS USING 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
<hr/>				
15				31

G.P.A. equals 31 plus 15 equals 2.07.

STATEMENT OF GRADES

At the end of each semester 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 \$5 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.

ACADEMIC PROGRAMS COURSES

Each course is identified by a four-digit number, for example ANTH 101-3.

The first digit indicates the year in which the course is usually taken. Course numbers beginning with a 1 are usually first-year courses and course numbers beginning with a 2 are usually second-year courses.

The second digit indicates transferability to B.C. Universities.

Course numbers with 0, 1, 2, 3, or 4 as the second digit are generally transferable. Course numbers with a 5, 6, 7, 8, or 9 as the second digit are generally not transferable. The third digit completes the course number. The fourth digit indicates the number of credit hours the course carries.

e.g.

ECON 152-3

The 1 indicates a first-year course

The 5 indicates it is probably not transferable to a university.

The 2 completes the course number

The 3 indicates the course carries 3 credit hours

CHEM 204-3

The 2 indicates a second-year course

The 0 indicates probably transferability to a university

The 4 completes the course number

The 3 indicates the course carries 3 credit hours.

For more complete University transfer information check the Transfer Guide page 70.

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)L-3 hours lecture and 2 hours lab or seminar per week. The letter "L" following the parenthesis indicates a lab fee.

In any course with a laboratory component both the lab portion and the lecture portion must be passed in order to pass the complete course.

Students may register only in those courses 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 Office of Admissions and Registration.

Courses in this section are not necessarily offered every semester. Check with the Counselling Centre 562-2131 Loc 360.

SPECIAL ADMISSION

Special admission may be granted to enter a course where the course prerequisites have not been met, upon the written recommendation of a counsellor and the in-

structor with the signed authorization of the appropriate Director.

BUSINESS ADMINISTRATION

ACC 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 fundamental areas. All material is integrated with case studies. (3,0)

ACC 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. Prerequisites: Acc 151-3 (3,0)

ACC 156-1 Applications In Accounting

The accounting principles learned in Acc. 152 are applied through the use of projects and practice sets. Students will gain experience in 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: Acc 151-3

(1,2)

ACC 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: Acc 152-3

(3,0)

ACC 252-3 Intermediate Accounting II

The analysis of the balance sheet accounts, which was started in Acc 251, 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.
Prerequisite: Acc 251-3 (3,0)

ACC 253-3 Cost Accounting I

An introduction to managerial accounting. Emphasis is placed on cost for planning and control and includes the following topics of prime managerial significance: cost-volume-profit relationships, job order costing, budgeting, standard costs, and flexible budgets.
Prerequisite: Acc 152-3 (3,0)

ACC 254-4 Cost Accounting II

A continuation of Accounting 253. Topics covered include cost allocation, joint and by-products, process costing, spoilage, inventory control, and payroll. A practice set is included.
Prerequisite: Acc 253-3 (3,0)

ACC 257-3 Financial Management I

An introduction to the application of financial tools to analyse the internal operations of the business enterprises 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.
Prerequisites: Acc 151-3, Acc 152-3, Math 154-3. (3,0)

ACC 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: Acc 257-3 (3,0)

ACC 353-4 Advanced Accounting

Topics covered include: consolidations, changes of price levels and financial reporting, replacement costs and financial reporting, foreign operations, reorganizations and liquidations.
Prerequisite: Acc 252-3 (4,0)

ACC 361-4 Taxation

A course dealing with all aspects of taxation in Canada. Municipal, provincial and federal taxation will be covered. Specific topics will include income tax, sales taxes and customs and excise taxes.
Prerequisite: Acc 252-3 (4,0)

AGRICULTURAL SCIENCES

NOTE: Students wishing to take Agricultural Sciences courses must register with UBC. See ADMISSION REQUIREMENTS or a counsellor.

AGSC 100 Introduction to Agricultural Sciences

This UBC course gives an orientation to study and career programs; survey of professional opportunities and requirements.
(one Friday evening, all day Saturday session)

AGSC 110 Introduction to Food Production Systems

This UBC course studies the fundamental concepts and principals underlying food production systems. (3,2)

ANSC 258 Introduction to Animal Production Systems

This UBC course studies the livestock and poultry industry; application of scientific principles to the production of various classes of livestock and poultry. (3,2)

ANTHROPOLOGY

ANTH 101-3 Cultural and Social Anthropology

A comparative study of cultural institutions 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 (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 organizations, and political structures.
Prerequisite: Anth 101-3 and Anth 102-3 (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 (3,0)

ANTH 291-1 Introduction to Fieldwork in Anthropology

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

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

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

BIOLOGY

Both the lecture portion and laboratory portion must be passed in order to complete the course.

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 or Chem 040 (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 organism and various aspects of social organizations are studied. Prerequisites: Biology 11 or Biology 040 and Chemistry 11 or Chem 040. (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 classified 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 1

An introductory survey of the structure and functions of the systems of man. Lecture topics include cellular biology and the skeletal, cardio vascular, respiratory, urinary and gastro intestinal systems. Laboratory exercises involved histology and anatomy. This is an appropriate course for Nursing students and others who require introductory coverage of the field.

Prerequisites: Biology 11 or Bio 040 and Chemistry 11 or Chem 040 (3,3)L

BIO 112-3 Human Anatomy and Physiology for Nursing II

A continuation of Biology 111-3. This course deals with the muscular, nervous, endocrine and reproductive systems. A series of lectures will also be given in microbiology at the introductory level. 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, Biology 11 or Bio 040, Chemistry 11 or Chem 040 (3,3)L

BIO 115-4 Human Anatomy for Nurses

An introductory survey of the structure and functions of the systems of man. Lecture topics include cellular biology. (4,0)

BIO 116-4 Human Physiology for Nurses

This course deals with the physiology of the major systems of the body.

Prerequisite: Bio 115-4 or Licensed Practical Nurse. (4,0)

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: Biology 11 or Bio 040 and Chemistry 11 or Chem 040 (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, gastro intestinal, 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.

Prerequisite: Bio 11 or Bio 040, TCHM 181-3
Corequisite: Chem 154-3 (3,2)L

BIO 201-3 Cell Structure

Beginning with experimental techniques, this course covers physical and chemical aspects of biological structure in procaryote and eucaryote cells as well as in virus particles. Additional topics include all events (mitosis, meiosis and movement) and correlations of structural diversity with functional specialization.

Prerequisites: Bio 101-3 and 102-3; Chem 101-3 and Chem 102-3 or Chem 103-3 or 104-3.
Corequisite: Chem 203-3 (3,0)

BIO 202-3 Cell Chemistry

An introductory course dealing with the chemical 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.

Prerequisites: 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 206-3 Introduction to Microbiology II

This course will include an introduction to the genetics of bacteria and virus; 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 variety of morphological advances will be dissected 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: Bio 101-3 and 102-3 (3,3)L

CHEMISTRY

Both the lecture portion and the laboratory portion must be passed in order to complete the course.

CHEM 101-3 Fundamentals of Chemistry I

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

Prerequisite: Chemistry 12 or Chem 040 (3,3)L

CHEM 102-3 Fundamentals of Chemistry II

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 Chem 040. (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 Chem 040 (3,3)L

CHEM 154-3 Chemistry for Medical Lab

Analytical, organic, and biological chemistry for Medical Lab Technology students.

Prerequisite: TCHM 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 Chemistry (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. Laboratory 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

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

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 and 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 Behaviour

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

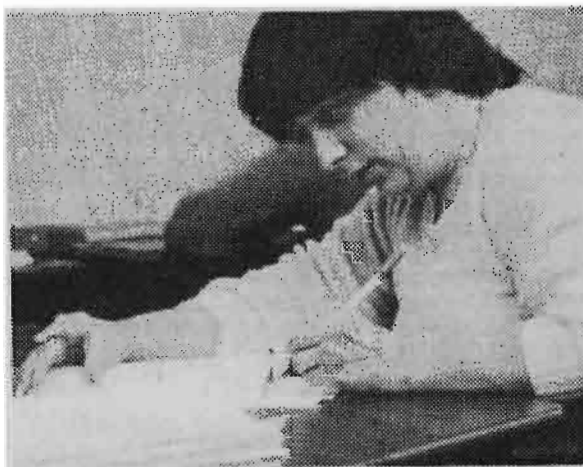
Basic probability and statistical concepts. Decision Theory and the revision of probabilities. Classical decision theory.

Prerequisites: Math 102-3 or Math 103-3 and Math 104-3. (3,0)

COM 208-3 Business Statistics II

Statistics applied to business problems. Estimation, hypothesis testing, correlation, linear and multiple regression, time series and forecasting models.

Prerequisite: Math 207-3 or Com 207-3 (3,0)



COMPUTER INFORMATION SYSTEMS

CIS 151-3 Introduction to Computers and Data Processing

This course provides an overview of computers in society, what computers are, what they can and cannot do; the people that work with computers, and current concepts and issues regarding the potential for use and misuse of computers. Emphasis is on computer terminology and descriptions of equipment and fundamental concepts and processes to provide the student with basic computer literacy skills. Included are discussions on: the data processing cycle; evolution of the computer; hardware and software; data storage, control and retrieval; batch and transaction-oriented systems; common programming languages; data communications; and, the system development cycle. (3,0)

CIS 153-3 Introduction to Programming (BASIC)

This course provides a general introduction to computer programming, not just to a programming language. Structured technique is emphasized throughout because it has been demonstrated to produce clear, efficient, maintainable code at a highly productive rate. Simple business problems are analyzed and solutions developed using structured flowcharts and pseudo-implemented in laboratory sessions using the BASIC programming language; each lab assignment is documented to typical business standards. (BASIC is a language commonly available with many small business computers.) (3,3)L

CIS 154-3 Advanced Programming (BASIC)

This course is a continuation of CIS 153 with emphasis on advanced programming concepts and advanced features of the BASIC language. Advanced programming concepts include: structured programming and "top down" modular approaches; screen handling; file access; techniques for files of various organizations; and, DLC (DEC Control Language) and utilities of the VAX 11 / 780. Advanced BASIC features include: matrices, virtual arrays, internal and user-defined functions, and input/output operations on various peripheral devices. Laboratory assignments are typical business problems which must be coded and documented in accordance with accepted standards.

Prerequisites: CIS 151-3 and CIS 153-3 (3,3)L

CIS 162-3 Systems Analysis and Design I

An introduction to the theory and methodology of structured analysis and design of business information systems. Among the many topics introduced are: the systems development cycle; the problem definition and evaluation of existing systems; characteristics of good system design; system controls; evaluation of benefits and alternatives; systems documentation; conversion and testing; implementation, follow-up and evaluation. Throughout, human relations are emphasized as well as the goals, methodology, and particular tools and techniques of a top-down approach to analysis and design of business systems.

Prerequisites: CIS 153-1 and CIS 153-3 (3,1)L

CIS 172-3 Application Programming I (COBOL)

The popular business language COBOL is introduced in this course on program design, documentation and coding of typical business problems. Modular and structured programming are emphasized and advanced language features are incorporated as skill levels increase. Assignments must meet typical business standards. Throughout, various common business applications (e.g. Sales Analysis) are discussed from a programmer's viewpoint.

Prerequisites: CIS 151-3 and CIS 153-3
Corequisite: CIS 154-3 (3,3)L

CIS 182-3 Computer Operations Management

The material focuses on the role of computer operations as a service centre. Effective organization structures, workload scheduling and operational techniques are topics included in the studies. A portion of the course concentrates on operating systems and some of the technical aspects of different systems. Other perspective relating to site management such as security and environmental control are addressed.

Prerequisites: CIS 151-3 and CIS 153-3 (3,0)L

CIS 251-3 Advanced Business Communications

This course serves as a technical communication lab for concurrent CIS courses requiring considerable effort in technical writing and oral presentation. Expert help is provided to assist the student with the format of assignments received in technical courses. In effect, evaluation in this course is based on the communications component of each assignment, leaving the student confident in concentrating on the technical aspects of the assignment in the subsequent presentation for the other courses.

Prerequisites: ENGL 151-3 and ENGL 152-3 (3,0)
Corequisites: CIS 261-3 and CIS 281-3

CIS 253-3 Programming Language (Fortran, RPG II)

This course provides the advanced programming student with an exposure to several other common business programming languages. This better prepares the student to find a place in the business world; demonstrates that advanced programming techniques and good programming habits are independent of particular programming languages; demonstrates the ease with which trained programmers can master new languages; and, illustrates features, advantages and disadvantages of particular languages. Regardless of language, students are expected to produce programs which follow established conventions and meet accepted documentation standards.

Prerequisite: CIS 154-3 (3,3)L

CIS 261-3 Systems Analysis and Design II

Structured techniques are utilized in constructing a new logical and a new physical system as a solution to a business problem. Comprehensive practice in a team environment is provided to reinforce earlier discussion of the tools of structured analysis and design: data flow diagrams, data structure charts, structured English, data dictionary, and data transformation descriptions. Students design an actual system, creating all the necessary reports and documentation and present their work to "management" for approval.

Prerequisite: CIS 162-3
Corequisite: CIS 251-3 (2,2)L

CIS 262-3 Project Programming

This course follows Systems Analysis and Design I and II and demonstrates the software development as an outcome of the earlier work. It concentrates on the design, programming, testing and documentation associated with the implementation of business information systems. Students are expected to work cooperatively in a team environment. A comprehensive case study contains loose ends, holes, and outright omissions to simulate a likely real-life situation; each team must navigate these obstacles and produce a working set of programs.

Prerequisites: CIS 253-3, CIS 261-3 and CIS 271-3 (0,6)L

CIS 271-3 Application Programming II (COBOL)

This second course concentrates on implementation of more sophisticated business applications with COBOL. Benefits of good methodology are easily illustrated with the more complex programming assignments. Further discussions illustrated with the more complex programming assignments. Further discussions on modular and structured techniques as well as peer group critiques (walkthroughs) are included. More advanced features of COBOL are introduced as the more sophisticated assignments require greater program interaction with the hardware and software environment.

Prerequisite: CIS 172-3 (3,3)L

CIS 272-3 Maintenance Programming

This course simulates a programming shop environment; a variety of short assignments provide exposure to several applications requiring modification or enhancement. The student is expected to apply earlier training in programming, analysis and design to such typical situations as: changed requirements, expanded

requirements, rewrites of poor code, familiarization with and documentation of undocumented code, and conversion to other languages. The student is exposed to a variety of programming styles and missing, mis-leading and incomplete documentation, while expected to provide a product that is coded and documented to a high standard.

Prerequisites: CIS 253-3 and CIS 271-3 (3,3)L

CIS 281-3 Business Systems and Applications

This course discusses many of the most frequently encountered business computer applications, such as payroll, accounts payable, and general ledger. The techniques for conducting a feasibility study will be discussed, and a major paper will be written on a selected topic of business use of computers.

Prerequisites: CIS 151-3, ACC 152-3 and ACC 156-1 (3,0)L

CIS 282-3 Computer Aids to Management Decisions

Increasingly, management utilizes the computer to apply management science techniques in the analysis of business problems. The student will learn to use these techniques both manually and through preprogrammed packages. The topics include linear programming, critical path, transportation algorithms, queueing theory, etc.

Prerequisites: CIS 151-3, MATH 157-2 and MATH 154-3 (3,3)L

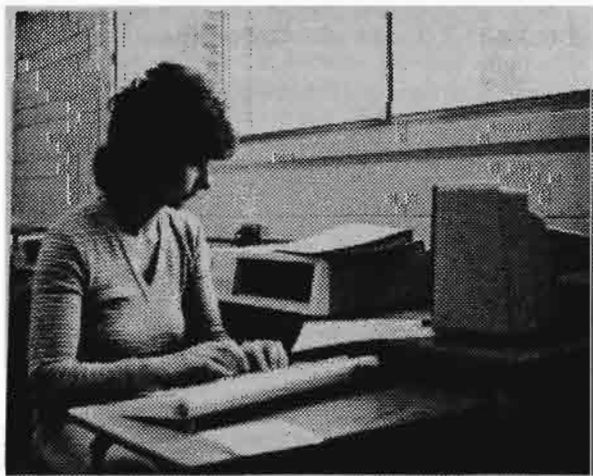
CIS 284-3 Information Resource Management

This course provides the advanced student with an overview of emerging issues in the CIS field and an insight into the climate likely to be encountered in a typical business installation. Topics include: D.P. networks, D.B.M.S., project management, legal considerations, "Office-of-the-Future", career opportunities, and professionalism. Students will become familiar with many of the leading periodicals in the field and are expected to critique others' research projects.

Prerequisite: CIS 261-3 (for CIS students only). (3,0)

CIS 285-3 Information Systems for Management

The foundations of business information systems and the creation of such systems are examined from the perspective of the owners and users of the systems, typically accountants and managers. The concept of "system," and the role of the user and of the computer specialist in the creation and support of computer



systems is explored. Topics include: the technological foundation of the information revolution, planning for computerization, computer implications for organizations and individuals, and control and the computer. The states of system development and the assignment of individual responsibilities which provide the best chance for successful systems are discussed.

Prerequisites: CIS 151-3, CIS 153-3 and ACC 152-3 (3,0)

NOTE: This course is offered for Accounting Program students.

CIS 292-2 Cost Accounting Principles

An overview of cost accounting principles and practices, specially tailored for CIS students to provide literacy skills. The emphasis is on terminology, basic concepts, practical applications, and problem-solving. Topics covered include: job-order cost accounting, process cost accounting, materials and labour standards, overhead standards, project costing method, cost allocation, joint products and by-products.

Prerequisite: ACC 152-3 (3,0)

NOTE: This course is offered for CIS students only. Accounting students should take ACC 253 and ACC 254.

COMPUTER SCIENCE

See Math 109-3 and Math 110-3

Also see:

COMPUTER INFORMATION SYSTEMS COURSES.

CONSTRUCTION ENGINEERING TECHNOLOGY

CONS 150-2 Introduction to the Construction Industry

An introduction to the construction process, the parties involved, their function and interrelationships. (2,0)

CONS 151-3 Materials I

First of four courses dealing with the physical properties of materials and their environment, including the function they are expected to perform in the built environment.

Structural materials: concrete, masonry and stone. (2,2)L

CONS 152-3 Materials II

Structural materials: timber, steel.

Interior floor finishing materials for walls, ceilings and floors. (4,0)

CONS 153-3 Light Wood Framing

Wood as a structural material in Canadian wood frame construction. The student will build a framing model from a set of working drawings.

Prerequisite: DRAF 153 (1,3)L

CONS 157-2 Soils

The nature of soils and their influence on construction design and operations. Common soil analysis and testing procedures are demonstrated. (2,1)L

CONS 161-3 Design I

The first of three courses in structural design. Principles of structural mechanics. Compression, tension, shear and bending moments. Simple beams are analysed. (3,2)L

CONS 171-4 Design II

Analysis of continuous beams, columns, trusses, welded, bolted and nailed connections. (3,2)L

CONS 251-3 Materials III

The building envelope: exterior walls and roofs. Special construction. Material assemblies. Coatings. Prerequisite: CONS 152 (4,0)

CONS 252-3 Materials IV

Acoustics. Materials selection and specification writing. (5,0)

CONS 254-3 Building Regulations

Federal, provincial and municipal legislation covering design and construction of the built environment. Emphasis is on Prince George zoning regulations and B.C. Building Code. (3,0)

CONS 261-3 Estimating I

An introduction to quantity take-offs and estimating construction costs. Emphasis is on the preparation of a General Contractor's estimating for a small building. Prerequisite: DRAF 154 (3,1)L

CONS 262-3 Estimating II

Estimating procedures as they are used by the design professionals. Life cycle costing. Elemental cost analysis. A multi storey commercial structure will be evaluated. Prerequisite: DRAF 154 (4,1)L

CONS 265-3 Construction Law

Contract law as it relates to the construction industry. Includes: contractual relations among consultants, owners and contractors; tenders, estimates and claims; damages, specific performance injunctions; variations and claims for extras; bonds and guarantees of performance; Lien Act. (4,0)

CONS 267-4 Municipal Engineering

An overview of the urban planning process; zoning and subdivision bylaws' municipal services. Contour mapping, road layout, plan profiles, cross sections and earthwork calculations, all as related to a small residential or industrial subdivision. (3,3)L

CONS 271-3 Design III

Analysis of concrete structures: beams, columns, one and two way slabs, retaining walls, formwork. (4,1)L

CONS 274-2 Introduction to Management

Supervision and management principles as they relate to construction operations. Construction Safety. (5,0)

CONS 282-4 Construction Management

A review of the design / construction process. Preconstruction operations; construction planning and scheduling including fundamentals of CPM and PERT scheduling; construction operations; meetings and negotiations; measurement and payment; materials control, quality control and changes; claims and disputes; records and reports; project closeout.

The process will be viewed from the designer's and general contractor's perspectives. (5,2)L

CONS 283-3 Construction Equipment

Construction equipment capabilities for municipal engineering and building construction. Equipment selection procedures. Excavation, hauling, finishing, drilling, mixing, paving, lifting and materials handling equipment. (4,0)

CONS 285-4 Heating, Ventilation and Air Conditioning

Environmental control in buildings. Heat loss and gain calculations; heating and ventilation systems; air conditioning systems; system layouts and associated blueprint reading.

Prerequisite: DRAF 154 (3,0)

CONS 286-3 Basic Electricity and Illumination

A review of the principles of electricity. Electrical wiring and service systems descriptions and design. Light physics, sight, light source characteristics and lighting design and application. Electrical controls and signal systems.

Prerequisites: DRAF 154, CONS 285 (3,1)L

CONS 287-2 Plumbing

An introduction to water supply and treatment systems, plumbing systems, sewage treatment, storm water systems, standpipe and sprinkler systems for fire protection. Related blueprint reading will be covered.

Prerequisite: DRAF 154 (3,0)

CONS 288-3 Project

A major project must be completed on a construction related topic chosen by the student and approved by a Construction Engineering Technology faculty advisor.

Prerequisite: Completion of term IV (1,0)

CREDIT AND COLLECTIONS

CCO 162-3 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.

Prerequisite: ACC 151-3 (3,0)

CRIMINOLOGY

CRIM 101-3 Introduction to Criminology

Examination of different terms and concepts commonly used in criminology, such as crime, delinquency, deviance, criminal, victim rehabilitation, treatment, etc. Criminology as a science and as a profession. Position

and subject matter of criminology. Relationship between criminology and other sciences. Specificity of criminology. Relationship between theory and practice. History and evolution of criminological thought. Elements of continuity and discontinuity between classical and modern theories of criminality. Levels of explanations in criminology. Practical applications of criminology. Criminology and the scientific foundations of a modern criminal policy. (3,0)

CRIM 103-3 Introduction to the Criminal Justice System

An overview and analysis of the Canadian Criminal Justice System. The offender is followed through the process of initial contact with police to correctional disposition after conviction. The rights, responsibilities and discretion at each stage of the process are discussed. The functions and disfunctions of the system and the relationships among its components and community agencies are analyzed. (3,0)

CRIM 106-3 Sociological Explanations of Crime and Deviance

An introduction to sociological and social psychological explanations of criminal and deviant behaviour. Several sociological perspectives on crime and deviance are examined and applied to various forms of deviant behaviour. The assumptions underlying each of the theories are identified and critically assessed. Prerequisite: CRIM 101-3 (3,0)

CRIM 241-3 Introduction to Corrections

This course provides an overview and understanding of the historical development of the correctional system in Canada and the U.S. The course also furnishes the student with an understanding of the social organization and dynamics of correctional institutions. Finally, the course will discuss and evaluate correctional treatment and programming from pretrial to re-entry with a special emphasis on the various prevalent punitive philosophies. Prerequisites one of: CRIM 101-3, 103-3 or 106-3 (3,0)

DRAFTING

DRAF 153-3 Drafting

A review of basic drafting techniques and equipment Drafting as it relates to architectural working drawings. A set of 'permit quality' working drawings for a small wood framed building will be done. (2,3)L

DRAF 154-3 Drawing Interpretation

Interpretation of construction drawings for larger buildings, including architectural, structural, mechanical, plumbing and electrical. The student will do sketches and shop drawings. (3,2)L

DRAWING

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

Engineering geometry (including auxiliary views), azimuth and bearing problems, contour lines, cutting planes and developments, graphical integration and dif-

ferentiation, logarithmic graphs. Prerequisite: DRAW 141-2

(1,2)L

EARLY CHILDHOOD EDUCATION

ECE 151-4 Child Growth and Development

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

ECE 153-3 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. (3,0)

ECE 154-3 Theories and Practices 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 155-3 Theories and Practices of ECE

A continuation 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 and ECE 170 (3,0)



ECE 160-1 Seminar in ECE

The exploration of current topics in ECE as they apply to student participation in the field. Pre or Corequisite: ECE 151, 154, 165, 170 Corequisite: ECE 190

ECE 161-1 Seminar in ECE

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

clude: differing philosophies, solving discipline problems, working in a team etc.

Prerequisites: ECE 151, 154, 160, 165, 170 and 190

Corequisites: ECE 155, 166, and 199.

ECE 165-4 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.

Corequisites: ECE 151 and 154 (4,0)

ECE 166-4 Program Development

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

Prerequisites: ECE 154 and ECE 165. (4,0)

ECE 170-2 Observing and Recording Behaviour

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.

Corequisite: ECE 151 (4,0)

ECE 172-2 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. (2,1)

ECE 174-2 Interacting 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 176-3 Human Relation in Early Childhood Setting

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

ECE 190-3 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 conjunction with field work.

Pre or Corequisites: ECE 151, 154, 165, 170 (0,10)
Corequisite: ECE 160

ECE 199-4 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.

Prerequisite: All Semester I ECE courses
Pre or Corequisites: All Semester II ECE courses. (0,10)

ECE 251-3 (Post Diploma) Administration of Early Childhood Programme

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

Prerequisites: ECE Certificate (3,0)

ECE 252-3 (Post Diploma) Administration 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 (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 reviews 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 Economics Council of Canada, current statistical publications, and other assigned readings from part of the material in this course. (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 behaviour of businesses under different industry environments and consumerism.

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. (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. (3,0)

ECON 251-3 Economics I

An examination of principles, problems, government policies and current events and issues related to microeconomics. Topics include: an overview of economic systems; supply and demand and various product, labour and financial markets; organization and behaviour of business under different industry environments; topics in consumerism. Throughout, issues relevant to the local and provincial economy will be discussed. (3,0)

ECON 252-3 Economics II

An examination of principles, problems, government policies and current events and issues related to macroeconomics. Topics include: taxation and the government sector; unemployment and inflation; money banking and interest rates, unions and industrial democracy; international trade and exchange rates. Throughout, issues relevant to the local and provincial economy will be discussed. (3,0)

ENGLISH

ENGL 101-3 Literature and Composition I

A study of the 20th Century short story and drama, and a consideration of effective composition practices. Students will write a significant number of essays on literature. (3,0)

ENGL 102-3 Literature and Composition II

A study of the 20th Century poetry and novels, and a consideration of effective composition practices. Students will write a significant number of essays on literature. (3,0)

ENGL 103-3 Composition and Style

A study of grammar, composition, and style. A vigorous program of essay writing plus a variety of writing assignments or exercises dealing with specific problems in essay writing. Strongly recommended for students who wish to improve their writing skills. (3,0)

ENGL 104-3 Introduction to Literature

This course will introduce students to three genres of literature: poetry, fiction, and drama, and include readings from the classical to the modern periods. Students will write a significant number of essays on literature. Strongly recommended for students who take English 103 as their first English course. (3,0)

ENGL 161-3 Film Appreciation

Classic and popular films of the International and domestic cinema will be screened and discussed each class meeting. Just come and watch, or for the more ambitious student, readings in the history and theory of film will be given, and film reviews and related projects assigned. Grade can be Audit, Pass/Fail, or Letter. A CNC credit course, not a university transfer credit. No

prerequisites. Usually offered in the Spring Semester, and may be repeated. (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 1940s. 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 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

The following course descriptions are the result of an extensive revision that took place in 1983. Changes now anticipated are in the scheduling of courses and duration of labs but no major curriculum adjustments are anticipated.

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, 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'. (8 days)

FOR 154-3 Forest Products

Manufacturing of lumber, chips, plywood, and pulp is covered in this course with major emphasis on lumber production. Species utilization for end product use is emphasized. Macroscopic identification and properties of B.C. commercial wood species is handled in laboratory sections. (2.2)L

FOR 155-3 Silvics and Dendrology

The Silvics and Dendrology courses are taught concurrently in two two-hour blocks. The Dendrology section involves site recognition of the principal commercial tree species of B.C. Silvics is the study of the climatic and site conditions which optimize tree growth. Two hours per week will be given to each discipline. (2,2)L

FOR 156-4 Botany and Ecology

This course includes the study of plant cell structure, forest genetics and the physiology and morphology of selected conifer species. Included in Ecology are basic principles of Ecology, moisture, nutrient, and energy regimes, and biogeoclimatic zones. (3,2)L
Prerequisites: FOR 155-3, and FOR 157-3

FOR 157-3 Forest Soils and Hydrology

This course is basic to an understanding of forest productivity and side effects resulting from various forestry practices, with applications in silviculture, watershed management and engineering. Topics covered are landforms and soil formation, physical and chemical properties of soils, description of profiles, the Canadian system of soil classification, and basic principles of hydrology. Field exercises will emphasize sampling description and classification of soils. (2,2)L

FOR 161-4 Forest Measurements I

A field-oriented course involving the theory and practice of all aspects of forest measurements. Students will receive a good exposure to timber cruising and basic surveying instruments. (3,3)L

FOR 162-5 Forest Measurements II

A continuation of Forest Measurements I (For 161-4). The intent of this semester is to provide the student with sufficient knowledge and field training to be able to sample forest types to the standards established by the current B.C. Ministry of Forest Cruising Manual. Material will be covered in a lecture/lab format, averaging seven hours per week over the entire semester. Prerequisites: FOR 161-4, FOR 171-3, and FOR 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, bulldozers, skidders, rotary and fixed wing aircraft, air tankers and chemical retardants. Initial attack and fire crew organization, detection, communications and suppression planning are covered in detail. Part X of the Forest Act and Regulations are covered. Fire suppression methods and concepts are studied through fire simulation exercise. (2,2)L
Prerequisite: FOR 165-3

FOR 171-3 Photo Interpretation and Mapping I

The intent of this course is to provide the student with a basic knowledge of the application of aerial photography to forest measurement practices in the fields of field orientation and identification of topographic features. Emphasis will be placed on photogrammetric measurements and interpretation of tree species and timber types. (1,3)L

FOR 172-3 Photo Interpretation and Mapping II

The intent of this course is to provide the student with an understanding of photogrammetric practice in the areas of landform recognition and interpretation, planimetric map construction from aerial photographs, parallax measurements and special applications in the fields of forest protection, roads, reforestation and soils. (1,3)L
Prerequisite: FOR 157-3, FOR 171-3

FOR 173-2 Drafting I

The Forest Drafting course is designed to complement the Forest Measurements and Photo Interpretation and Mapping course taught concurrently in the Fall. The skills acquired in this course are essential for the student wishing to complete the objectives of other course offerings in the Forestry Technology Program. (1,2)L

FOR 174-2 Drafting II

The emphasis of the spring semester of Forest Drafting is the construction of maps for purposes of recording stand histories, planning and log production. Aerial photographs are most useful in updating existing logged, burned or areas treated silviculturally. It is also desirable to learn the computer applications of survey methods involved. All of these aspects will be covered in the course with emphasis on drafting. (1,2)L
Prerequisites: FOR 173-2, FOR 161-4

FOR 199-1 Spring Field School

During the final week of spring classes all first-year students spend one week in the field conducting day-long exercises that focus on various courses taken during first year. The emphasis is placed on field skills that may be applied during summer employment. (5 days)L
Prerequisite: Completion of first-year

FOR 251-3 Forest Management I

The course covers the history and legal basis for management of Crown Forest Land in B.C. Major emphasis is placed on the Forest Act and Regulations and, in particular, Forms of Tenure, Section 88 and Section 52 of the Act. Inventory, Yield Analysis and A.A.C. are also introduced. (2,2)L
Prerequisites: FOR 162-5, FOR 172-3, and TCOM 180

FOR 152-4 Forest Management II

A sequential course to FOR 251 in which emphasis is placed on "Integrated" resource management as promulgated by the Ministry of Forests Act and the Forest Act. Interaction of various resources and resource users are covered. Preparation of a Management / Working Plan for a sub-unit is a major portion of the course. (2,3)L
Prerequisites: FOR 251-3, FOR 253-4

FOR 253-4 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 and planting operations. Laboratory and field exercises will include planting inspections and plantation performance assessment, site assessment and prescriptions, juvenile spacing and ecosystem mapping.

Prerequisites: FOR 156-4, FOR 157-3, FOR 162-5, FOR 166-3, FOR 174-2, FOR 172-3 (2,3)L

FOR 254-4 Silviculture II

Topics include silviculture systems, 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.

Prerequisite: FOR 253-4 (3,2)L

FOR 255-3 Forest Entomology

The student will obtain a practical working knowledge of important insects which affect forest trees. Concentrates on the habits and economic significance of the most important insect pests in B.C. Stress is placed on detection, evaluation of damage and control.

Prerequisite: FOR 156-4 (2,2)L

FOR 256-3 Forest Pathology

The student will obtain a practical working knowledge of forest disease organisms and their effect upon forest management. The course will emphasize the recognition of and damage caused by the most important diseases in B.C. in addition to fungi, other pests (or damaging agencies) such as mammals, birds, climate, dwarf mistletoe, nematodes, forest and range weeds, and marine borers will be studied. Damage appraisal techniques and control will be covered where applicable.

Prerequisite: FOR 156-4 (2,2)L

FOR 261-4 Forest Measurements III

The course will cover the practical application of timber cruising in compliance with the B.C. Forest Service Specification as set forth in their Cruising Manual. The field data taken in a two-week operation timber cruise is compiled by the manual method to provide an understanding of the compilation procedure and then the data is compiled by the computer to provide a comprehensive cruise report.

Prerequisites: FOR 162-5, FOR 172-3, FOR 174-2, and MATH 152-3 (1,3)L

FOR 262-3 Forest Measurements IV

An applied course in Forest Measurements to cover the subjects of weight scale sampling, cyclic billing, practical log scaling, insect surveys and the application of the desk-top computer to handle this measurement data.

Prerequisite: FOR 161-4 (1,3)L

FOR 267-2 Supervisory Skills in Forestry

The course will emphasize communication methods and skills required for successful supervision and human interaction. Full student participation as individuals and in group discussions is required for the course to be meaningful.

(0,2)L

FOR 268-2 Industrial Relations in Forestry

The course will cover the B.C. labour Code with emphasis on rights of employers and employees. Specific collective agreements, e.g., I.W.A., Forest Industry, B.C.G.E.U. and Provincial Government will be examined. W.C.B. regulations and their impact will be covered.

(0,2)L

FOR 281-3 Forest Finance I

The course covers methods of financing business enterprises of various types and how they are affected by economic factors such as interest, taxation and markets. All types of costs are described and defined.

Prerequisites: MATH 152-3, FOR 154-3, and FOR 162-5 (2,2)L

FOR 282-3 Forest Finance II

A sequential course to FOR 281 in which concepts developed in the previous course are utilized in: Cost Analysis, Stumpage Appraisal, Cost Estimating and Budgeting and application of productivity to unit costs and total costs.

Prerequisites: FOR 281-3 (2,2)L

FOR 285-5 Roads and Transportation I

The intent of this course is to provide the student with a basic knowledge of forest engineering practice in the fields of forest road design, field location and surveying of forest roads, soil classification and identification and earthwork calculations. Emphasis is placed on field procedures and microcomputer-design applications.

Prerequisites: MATH 152-3, FOR 162-5, FOR 157-3, FOR 172-3, and FOR 174-2 (3,3)L

FOR 286-5 Roads and Transportation II

The intent of this course is to provide the student with an understanding of forest engineering practice in the fields of soil mechanics and compaction, stream flow and culvert design, simple beam timber bridge and log culvert design, construction equipment applications and costing transportation economics, and higher order surveying with transit and level.

Prerequisite: FOR 285-5 (3,3)L

FOR 287-4 Logging I

Logging I is a course to provide the student with an introduction to the more common logging systems presently in use in B.C. The course will deal with logging planning, logging phases with emphasis on steep slope logging, log transportation and safety management.

Prerequisites: FOR 162-5, FOR 154-3, FOR 157-3, FOR 166-3, FOR 172-3, and FOR 174-2 (2,3)L

FOR 288-4 Logging II

Logging II is a continuation of the Logging I course with emphasis on interior British Columbia logging systems and methods. A review of logging layout and logging guidelines will be covered as well as principles of logging systems, log transportation, safety management and maintenance of logging equipment. Material will be covered in a lecture-lab format. (Total 5 hours per week). A five-year development plan will be completed in conjunction with other forestry courses - FOR 252, FOR 254, FOR 268, FOR 282, FOR 286. This course will include a number of field lab exercises.

Corequisites: FOR 252, FOR 254, FOR 268, FOR 282, and FOR 286

Prerequisites: FOR 287-4 (2,3)L

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 Oct. 15th. Specification for the essay will be discussed with students prior to the conclusion of the first term. (1,0)

FRENCH

NOTE: Students with preparation in French other than specific course prerequisites may be admitted to courses. This may include native Francophones, those who began their study of French at an early age, or those who have lived and/or studied in a French environment. Contact a counsellor or the Instructor for placement under the terms of Special Admission.

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: FREN 12 (3,1 1/2)

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 (3,1 1/2)

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: French 11 (3,1 1/2)

FREN 104-3 Intermediate College French, Level 4

A continuation of Fren 103-3.

Prerequisite: FREN 103-3 (3,1 1/2)

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. (3,1 1/2)

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 (3,1 1/2)

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 (2,1)

FREN 152-3 Conversational French II

A continuation of Fren 151-3.

Prerequisite: FREN 151-3 (2,1)

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 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 "behavioural" 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 (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 (3,0)

GEOLOGY

GEOG 101-3 Introduction to Physical Geology (Engineering)

This is an introductory course in physical geography for Applied Science (Engineering).

UBC transfer students. The topics covered will be the same as for GEO 101-3, plus Geologic time. Practical and engineering aspects will be stressed. (3,3)L

HISTORY

HIST 101-3 World History: The Early Twentieth Century

After a brief introduction to general problems of historical investigation, this course tests 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 "super-power", 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. Prerequisites: 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 (3,0)

LAW

LAW 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)

LAW 294-3 Business Law II

An in-depth treatment of legal topics complementary to those in Law 293. Major areas discussed include Employment, Agency and Partnership, Corporations, Negotiable Instruments, Secured Transactions, Insurance, Real Property, and Landlord and Tenant. (3,0)

LAW 296-3 Marketing Law

A review of topics pertinent to retailing, selling, and advertising. Includes all Municipal and Provincial, and Federal legislation and regulation affecting location, competition, real estate, consumer protection, sale of goods, hours of opening, etc. (3,0)

MANAGEMENT

MGT 151-3 Management I

An orientation to the nature of business in the private enterprise system, providing a practical and theoretical introduction to the principal functions of modern management. Topics include: organizational objectives, planning, decision making, organizing, staffing, as well as organizational change and working with groups. Students will obtain a good understanding of how an organization functions and develop their skills in analysing, communicating, delivering, and proposing solutions to typical business problems. Prerequisite: None (3,0)

MGT 152-3 Management II

The course continues the study of the functions of management begun in Management I, providing further insight into the practice of management. Topics include: the functions of direction and control, communication, supervision, leadership, and a brief introduction to industrial relations. Prerequisite: MGT 151 (3,0)

MGT 153-3 Computer Applications in Management

An introduction to computers and computer literacy. The course emphasizes management utilization of the computer in the analysis of business problems. Topics include some of the most often encountered business computer applications, such as: payroll, cost control and budgeting, inventory, equipment, personnel as well as an introduction to word processing. Prerequisite: None (4,0)
NOTE: This course is designed for Certificate Program Students only.

MGT 154-3 Finance and Cost Control (Management Accounting)

An introduction to the application of financial tools to analyse the internal business operation and measure managerial performance. Topics include: financial statement analysis, budgeting, forecasting, financial planning, internal control, and basic cost accounting.

Prerequisite: None (3,0)

NOTE: This course is designed for Certificate Program students only. No credit is granted towards any Accounting Program.

MGT 261-3 Human Relations in Business

This course is designed to develop an awareness of the importance of human relations skills in the organization. Topics covered include: managerial assumptions about human behaviour, personality, occupational maladjustment (stress, job burnout), perception, motivation, communication skills, leadership, effective management, interviewing, performance appraisals, conflict and problem solving, time management, and decision making. Human relations skills will be examined through lectures, discussion and laboratory assignments.

Prerequisite: None (3,0)

MGT 262-3 Organizational Behaviour

Information extracted from various areas of psychology (industrial, organizational, social) will be utilized to study nature of work and organizations. Topics include: research design, the use of surveys in organizations, management by objectives, motivation, leadership, communication, job design, job enrichment, managing change in organizations, Japanese industry, organizational design and climate. Organizational behaviour will be examined through lectures, discussion and practical application of learned materials.

Prerequisite: None (3,0)

MGT 263-3 Personnel

An introduction to personnel management including organization of the personnel functions: recruitment and selection; interviewing and counselling; job descriptions and evaluation; compensation and salary administration; management development and performance appraisal; training and manpower planning; safety and occupational health. The course places particular emphasis on the practical application of personnel policies and procedures, on personnel's relationship to management and its responsibilities to employees.

Prerequisite: None (3,0)

MGT 264-3 Industrial Relations

An introduction to the fundamental issues of labour/management relations in Canada. Topics include the roles assumed by labour unions, management and government bodies; the processes involved in collective bargaining such as interpretation and administration as well as discipline procedures.

Prerequisite: None (3,0)

MGT 265-3 Applied Management Communication

The course reviews the communication process and includes an organizational approach to writing and speaking tasks. Particular emphasis on the skills and techniques required to write memos, letters, reports, proposals and feasibility studies as well as public speaking, giving instructions and conducting effective meetings.

Prerequisite: None (3,0)

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MGT 266-3 Management Skills I, II and III

The course reviews essential managerial skills with particular emphasis on listening skills, time management, effective delegation, team building, dealing with change, stress analysis, assertiveness training, innovation and creativity.

Prerequisite: None (6,0)

MGT 291-8 Directed Study

This course is designed to give students some practical application of concepts learned in the management program. The projects will involve in-depth study of an area of management under the guidance of an instructor and "experts" in the field.

Prerequisite: Full time Directed Study Diploma Enrollment (0,8)

MGT 292-8 Directed Study

This course is designed to give students some practical application of concepts learned in the management program. The projects will involve in-depth study of an area of management under the guidance of an instructor and "experts" in the field.

Prerequisite: Full time Directed Study Diploma Enrollment (0,8)

MARKETING

MKT 151-3 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 behaviour, product planning, development and distribution. Throughout the course, emphasis will be placed upon the application of concepts and perspectives to selected marketing cases.

Prerequisite: None (3,0)

MKT 152-3 Marketing II

An in-depth examination of marketing research, promotional 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: MKT 151 (3,0)

MKT 251-3 Marketing Management I

The analysis of marketing management in the area of marketing opportunities, marketing planning and product strategy. A more in-depth analysis of the topics previously covered in MKT 151.

Prerequisite: MKT 151 and MKT 152 (3,0)

MKT 252-3 Marketing Management II

A continuation of Marketing 251 covering the planning and control functions from a managerial viewpoint. The decision making responsibilities of the marketing manager are examined with particular emphasis in the areas of market research, demand analysis, cost analysis and market planning and development.

Prerequisite: MKT 251 (3,0)

MKT 261-3 Marketing Management Accounting I

An in-depth analysis of the Marketing manager's need for the understanding of accounting principles in the area of profit planning, pricing strategies, retail control and cost accounting control. An accounting course with a definite marketing orientation.

Prerequisites: ACC 152, ACC 156, MATH 154 (3,0)

MKT 262-3 Marketing Management Accounting II

A continuation of MKT 261 covering such topics as inventory management, cash management, capital planning and financial considerations, and revenue reporting systems. Both MKT 261 and 262 combined will give the student an in-depth understanding of accounting principles as they apply to the marketing function in an organization.

Prerequisite: MKT 261 (3,0)

MKT 262-3 Advertising and Sales Promotion

This course is concerned with promotion, especially the form of promotion known as advertising. As well as covering the advertising process from the standpoint of the firm, this course will cover the nature and process of communication and examine the impact of advertising on the consumer.

Prerequisite: MKT 151 (3,0)

MKT 271-3 Consumer Behaviour and Marketing Research

A study of the various influences placed upon the consumer in his purchasing process. Covered in this area will be Economic and Demographic influences, Cultural and Social and Reference Group influences. Also the consumer decision making process and its implication on a company's Market Research design, data collection and interpretation process will be covered.

Prerequisite: MKT 151 (3,0)

MKT 276-4 Retailing and Merchandising

A study of the merchandising principles, practices and processes as they relate to the total marketing process. Content will be the consumer, his importance and behaviour, buying methods and sources of supply, selling, sales promotion methods and media, inventory control, human relations, advertising and display. Projects and practical applications will be emphasized during the course.

Prerequisite: MKT 151 (4,0)

MKT 281-3 Salesmanship

An introduction to professional selling. This will be a practical course which will emphasize locating and qualifying prospects, sales presentation and organization, improving interpersonal relations in non-selling situations as well as some practical experience in developing sales techniques.

Prerequisite: MKT 151 (2,1)

MKT 291-3 Directed Studies in Marketing I

Directed Studies will supply the student with practical experience related to the Marketing Diploma Program. Participants will be assigned to a few companies in town to work in the various Marketing functions. This experience is designed to allow the student to translate theory into practice. This work will consist of 1 day per week and will be without monetary remuneration. The

contact and experience will culminate this segment of Directed Studies.

Prerequisite: Enrollment in Second Year Diploma Program in Marketing (0,8)

MKT 282-8 Directed Studies in Marketing II

A continuation of MKT 291 with higher level exposure to the various marketing functions and how they apply to the local business community. Again the student will be required to work at various businesses in town to gather additional marketing experience and exposure to the "real" world. Once again the student will culminate this course with a detailed analysis of the practical experience gained.

Prerequisite: Enrollment in Second Year Diploma Program in Marketing. (0,8)

MATHEMATICS

MATH 100-3 Precalculus Mathematics

This course is designed to prepare students for the introductory calculus sequence. It is intended primarily for students who have not taken Algebra 12 or Math 12 and for students whose mathematics background is weak. Topics covered in the course are: a review of algebra, solving equations and inequalities, graphing and an introduction to functions, linear and quadratic functions, and an introduction to trigonometry.

Prerequisite: Algebra 11, MATH 040 (4,0)

MATH 101-3 Calculus I

This course is the first half of a two-semester introductory calculus sequence. The topics covered in the course are: the concepts, techniques, and applications of differentiation and an introduction to integration. Together with Math 102 this course satisfies the first year mathematics requirement in all university transfer science and applied science programs.

Prerequisites: Algebra 12, Math 100 (4,0)

MATH 102-3 Calculus II

This course is a continuation of Math 101 and forms the second half of the two-semester introductory calculus sequence. The topics covered in the course are: applications of integration, logarithmic and exponential functions, trigonometric functions, techniques of integration, and infinite series. Together with Math 101 this course satisfies the first year mathematics requirement in all university transfer science and applied science programs.

Prerequisite: MATH 101 (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: Algebra 11, or MATH 040 (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 040 (3,0)

MATH 109-3 Computing Science I

This is a general introductory course in Computer Science. The topics include computer architecture, computer systems, algorithms, computer programs, and programming style. The main emphasis of this course is on the study and development of algorithms. PASCAL is the programming language to be used.

Prerequisite: Algebra 12 or MATH 100

Corequisite: MATH 101-3 (3,3)L

MATH 110-3 Computing Science II

This is a continuation of Math 109-3, and more advanced algorithms and computer programs are developed. The topics include subprograms, advanced string processing, numerical computations, and linear and non-linear data structures. PASCAL and FORTRAN are the programming languages to be used.

Prerequisite: MATH 109-3

Corequisite: MATH 102-3 (3,3)L

MATH 151-3 Technical Math I

A review and expansion of Algebra 12. Topics include plane geometry, trigonometry, intermediate algebra, and practical applications in technology related areas, especially in road layout and drafting.

Prerequisites: Algebra 12 or MATH 155 (3,0)

MATH 152-3 Technical Math II

An introduction to the use of the microcomputer in specific technical applications. The student will be exposed to the use of the microcomputer as a mathematical tool, as a modelling tool, and in the presentation of graphics. Some very elementary programming will be done. (2,2)L

MATH 154-3 Mathematics of Finance

An introductory course including simple interest, simple discount, compound interest, annuities, amortization, sinking funds, depreciation, and bonds.

Prerequisite: Algebra 11 or MATH 040, or MATH 155 (3,0)

MATH 155-0 Developmental Math

Based on the results of the E.M.A.T. and the requirements of the program in which they are enrolled, students will be assigned a course of study which is drawn from the following components: Fundamental Arithmetic, Fundamental Algebra, Intermediate Algebra and Fundamental Trigonometry and Geometry.

MATH 157-3 Introduction to Business Statistics

Descriptive statistics, statistical inference, and related topics, with special emphasis on business applications.

Prerequisite: Algebra 11 or MATH 040 or MATH 155 (3,0)

MATH 161-3 Medical Lab Technology Mathematics I

Topics include: systems of measure, concentration and dilution of solutions; linear, exponential, and logarithmic functions; Introduction to differential calculus. Applications of each topic to the solution of Med. Lab. problems.

Prerequisite: Algebra 12 or MATH 040 (3,0)

MATH 162-3 Medical Lab Technology Mathematics II

An introduction to statistics for Medical Lab Technology. Topics will include descriptive statistics, basic rules of probability, Poisson and binomial probabilities, the normal distribution, estimation and hypothesis testing for population means and proportion, linear regression and correlation.

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, Supremum 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 (3,0)

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

MLT 152-3 Medical Laboratory Orientation II

A continuation of MLT 151-3 with emphasis on microscopy, spectrophotometry, electro phoretic techniques and quality control as used in the clinical laboratory.

Prerequisite: MLT 151-3 (3,2)L

NURSING

NURS 151-6 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 practice in a nursing laboratory, visits with individuals in the community and in the hospital setting. Corequisites: NURS 154-3 (8,8)L

NURS 152-12 The Adult with Common Interference

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. Prerequisites: NURS 151-6, BIO 115-4, NURS 154-3, PSYC 161-3

Sem. 2 (6,14)L
Intersession I (10,14)L

NURS 154-3 Communications in Nursing

This introductory course in the theory and process of communication in nursing focuses upon the oral and written skills necessary for applying the nursing process both in the student role and in the practice setting. Lab experiences are designed to assist in developing the basic interpersonal skills necessary for beginning interactions with patients. (1,2)

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 151-6 and NURS 151-12. The focus is on the adult who has common interferences in meeting his needs. Responses to the interference, means of assessing including drug therapy, surgical procedures, and nursing approaches are covered. Prerequisite: Licensed Practical Nurse (10,7)L

NURS 164-2 The Nurse - Role and Responsibilities

This course examines the role of the nurse as it has developed through history to the present. Professional and legal responsibilities are discussed. Prerequisites: NURS 154-3, NURS 151-6 (2,0)

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)L

NURS 251-3 Professional, Ethical and Moral Issues in Nursing

This course is designed to focus on ethical problems

and dilemmas that nurses may experience as they carry out their roles and responsibilities as health professionals. A model for use in analysis a resolution of ethical dilemmas is discussed and applied to various situations.

Prerequisite: NURS 164-2

(3,0)

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 116-4, PSYC 162-3 (8,14)L

NURS 262-8 The Individual Experiencing Psychosocial Interference

This course examines the impact that interferes 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 199-2, BIO 116-4, PSYC 162-3 (8,14)L

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.

Prerequisites: NURS 199-1, PSYC 162-3, BIO 116-4 (8,14)L

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 199-1, BIO 116-4, PSYC 162-3 (8,14)L

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 phase, and when complications occur.

Prerequisites: NURS 153-7, PSYC 162-3, BIO 116-4 (8,14)L

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 116-4 (8,14)L

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, general wards of an acute care hospital and with individuals in the community.

Prerequisites: NURS 261-8, NURS 262-8, NURS 263-8, NURS 264-8 or NURS 265-4, NURS 267-4 and NURS 251-2 (6,21)L

NURS 299-15 The Nurse: A Health Team Member

This course focuses on the organization of the nursing team and the role and responsibilities of the nurse as a member and potential leader of that team in providing care to meet the needs of hospitalized patients in all age groups. Clinical experience is provided in a rural and an urban health care facility.

Prerequisite: NURS 291-5 (1,34)

PHILOSOPHY

PHIL 101-3 Moral Philosophy

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 judgement?" "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. This 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 Philosophy of Science

An introduction to the philosophical questions underlying science's methods and content. Of interest to all who aspire to careers in science, the course examines questions such as whether science results in knowledge, whether the social sciences are really sciences, and what social and moral responsibilities scientists have, if any. (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. (1,2)

P.E. 103-2 Scientific Basics 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 Sking

This course is an introduction to the theory, practice and teaching of the fundamental skills of volleyball. (1,2)

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. 109-2 Educational Gymnastics

This course introduces the student to the basic movements and movement patterns characteristic of gymnastics. (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. 113-3 Dance Forms

This course is designed to introduce the fundamental patterns and techniques common to traditional dance forms leading to basic completion and performance. The student will gain practical experience in the style and steps of selected folk, square and ballroom (social) dance. (1,2)

P.E. 117-2 Artistic Gymnastics

This course will provide an individualized approach to movement on floor and apparatus, teaching methods, and 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 skills 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 Psychology 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 Psychology 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

Both the lecture portion and the laboratory portion must be passed in order to complete the course.

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: Physics 12 or PHYS 040, Algebra 12 or MATH 040 Corequisite: MATH 101-3 (3,3)L

PHYS 102-3 Introductory Physics II

Electricity and magnetism including charges, electric field, magnetic field, electric current and circuits, light, atomic physics, nuclear reactions. Prerequisite: PHYS 101-3 (or PHYS 105-3 with B standing or better) 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: Physics 11 or PHYS 040, Algebra 11 or MATH 040 (3,3)L

PHYS 106-3 General Physics II

Electricity and magnetism, including charges, electric fields, magnetic field, electric current and circuits, light, atomic physics and nuclear reactions.

Prerequisites: Physics 11 or PHYS 040, Algebra 11 or MATH 040 (3,3)L

PHYS 201-3 Thermodynamics

A first course in thermodynamics for students going on in chemistry, physics, and engineering. Topics include temperature, heat and work, heat transfer, molecular properties, ideal and real gases, heat engine cycles, evaporation and refrigeration, entropy and the Second Law.

Prerequisites: PHYS 105-3 or PHYS 101-3 (3,3)L

PHYS 202-3 Electricity and Magnetism

Topics include Electrostatic Charges, the Electric Field, Gauss's Law, the Electric Potential, Capacitance, 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: PHYS 101-3 or PHYS 105-3 and MATH 101-3 Corequisite: MATH 201-3 and MATH 204-3 (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: PHYS 204-3 Corequisites: MATH 202-3 (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)

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 behavioural 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 and sexual responses, psychosexual development, sexual behaviour and sexual complications. (3,0)

PSYC 157-1 Industrial Psychology and Human Relations I

This course, designed primarily for students in the Forest Technology program, is intended to provide an overview of the theory and application of Human Resource Management. Areas of discussion include: personality development, motivational theory, group dynamics, communications, leadership and practical consideration of the basics of supervisory responsibilities and Industrial Relations. (1,0)

PSYC 158-1 Industrial Psychology and Human Relations II

This course, designed primarily for students in the Forest Technology program, is intended to provide an overview of the theory and application of Human Resource Management. Areas of discussion include: personality development, motivational theory, group dynamics, communications, leadership and practical consideration of the basics of supervisory responsibilities and Industrial Relations. (1,0)

PSYC 161-3 Developmental Psychology for Nursing I

An introduction to the scientific study of behaviour utilizing the developmental sequence from adolescence through adulthood and through to old age. Topics include research methodology, structure and function of the organism, motivation, learning, theories of personality emotional development and intelligence.

PSYC 162-3 Developmental Psychology for Nursing II

This is a continuation of PSYC 161-3. It is a continued study of behaviour utilizing the developmental and childhood of birth through infancy and childhood. Prerequisite: PSYC 161-3

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.

Prerequisite: Algebra 11 or MATH 040

(3,3)

PSYC 202-3 Experimental Psychology

This course introduces experimental methods and designs as applied to research 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. Prerequisite: PSYC 101-3 and 102-3 (3,0)

PSYC 204-3 Social Psychology

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, altruism (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

(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 conative 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.

Prerequisites: 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: PSYC 101, 102 and 203

(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 organizations, goals, and social influence. Connections between work life and personal life. Socialization and work. Women and industrial work.

Prerequisite: SOC 201-3 (3,0)

★ SOC 202-3 Sociology of Work-Industry

Industrial workers; their life-styles, family life, neighbourhoods, and communities. Industrial work groups and work forces. The one-industry town. Worker interest groups at the work place (cliques, worker associations, labour 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)

SOC 206-3 Social Problems

A study of contemporary social problems in Canadian Society. Selected topics such as juvenile delinquency, child abuse, alcohol and drug abuse, sexual deviance and abortion are analyzed and discussed within a sociological framework. Sociological interpretations are supplemented by psychological and/or legal principles, where appropriate.

(3,0)



SURVEYING FOR FORESTRY AND CONSTRUCTION

SURV 151-3 Surveying I

Basic field surveying methods, notes and their interpretation. Traversing, levelling and route surveying as applied to the construction industry.

Prerequisite: Algebra 11 or MATH 040 (1,4)L

SURV 152-3 Surveying II

Building layout and control. Use of theodolite, E.D.M. and laser equipment as well as computer applications in surveying. Curve layout, traverse error of closure calculation, balancing a traverse.

Prerequisite: SURV 151 (1,3)L



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 12 or CHEM 040 (3,3)L

TCOM 180-3 Technical Communication

This course provides students in career programs with the skills necessary for effective written and spoken communication in the business world. Students will be given extensive practice in writing clear and concise English, planning and researching business and/or technical projects, in interviews, in business meetings, and in oral presentations of research and results.

Prerequisite: Credit for English 155-3 (0,3)L

TCOM 181-3 Technical Communication II

An English course designed specifically for technology students. Course assignments will be integrated with other technology courses and will be marked by both the technology and English instructors. Topics will include report writing, oral presentations, memos and related communication devices. In Forestry, the summer Technical Report will form a portion of this course.

Prerequisite: TCOM 180-3 (1,2)L

TDGS 156-3 Technology Digital Techniques

Solid state logic (TTL, MOS, CMOS), noise and loading considerations, flip flops, counters, shift registers, encoding, decoding and arithmetic systems. Simple method of digital to analog and analog to digital conversion.

Prerequisite: TELE 183-3

Corequisite: 188-3

(3,3)

TELE 181-2 Technology Shop and Lab Practice I

Provides practical training in shop procedures and laboratory techniques. Topics include safety, use of multimeters, oscilloscopes, power supplies, and other electronic equipment, wirewrapping, soldering, component specification and identification.

(0,5)L

TELE 182-3 Technology Printed Circuit Fabrication

Teaches the art and technique of printed circuit design and construction. Topics include artwork product, single and double aided design, R.F. design, CAD for PBC layout, thick film and P.C. to schematics.

(0,4)L

TELE 183-3 Technology Circuit Analysis I

The principles and analysis of DC circuits. Topics include series, parallel series - parallel, nodal, loop, superposition, Thevenin and Norton analysis of circuits. Capacitance and inductance, charge-discharge equations, and an introduction to wave forms. The lab portion of the course supports the theory presented.

(3,3)L

TELE 184-3 Technology Circuits Analysis II

AC network analysis methods (loops, nodal, superposition, Thevenin, Norton), Resource z, y and h parameters, a further study of transients in inductives and capacitive circuits. The lab portion of the course supports the theory presented.

Prerequisite: TELE 183-3, TMTH 181-3

Corequisite: TMTH 182-3

(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, thyristors, and field-effect transistors.

Prerequisite: TELE 183-3, TMTH 181-3

Corequisite: TELE 184-3

(3,3)L

TELE 201-3 Technology Electric Circuits II

Continuation of TELE 188. Topics include operational amplifiers, D.C. power supplies, discrete and differential amplifiers and tuned discrete amplifiers.

(3,2)L

TELE 202-3 Technology Pulse Circuits

Advanced studies of specialty circuits common to most modern electronic equipment. Clippers, clampers, transistor switching, schmitt triggers, ramp generators, 555 timers, D.C. to D.C. conversion.

(3,2)L

TELE 203-3 Technology Digital II

Continuation of TPRM 186. Flip-flops, counters, registers, A/D, D/A conversions, RAM, ROM, EPROMS, VARTS, ANALOG MPX.

(3,2)L

TELE 204-3 Technology Telecommunications

Fundamentals of electronic communications. Topics include AM and FM principles, transmitters and receivers, multiplexing transmission lines, impedance matching, data communications and antennas.

(3,2)L

TELE 205-3 Technology Transducers

Principles of conversion of physical quantities into useful electrical quantities. Vibration, acoustic temperature, pressure, flow strain, displacement, acceleration, optical conversions applied to control applications.

(3,2)L

TELE 206-3 Technology Electrical Equipment

Selected topics in high voltage, AC and DC power systems, power factor WYE and Delta connections, rectification DC machines, industrial machines, relays, breakers, speed control, and AC servo motors.

Prerequisites: ALL 200 level courses require successful completion of term one and two of the Electrical Program.

(3,2)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.

(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: Albegra 12 or MATH 040 or MATH 100 (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

TPHY 181-3 Technology Physics I

The first of two continuous courses to cover statics, dynamics, momentum, force, kinematics, angular mo-

tion 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 PHY 040
Corequisite: TMTH 181-3 (3,3)L

TPHY 182-3 Technology Physics II

The second of two continuous courses to cover: Kinetic Theory, Heat, Thermodynamics, Optics, Wave Motion, Light, Electricity and Magnetism, Semiconductor Physics.

Prerequisites: TPHY 181-3, TMTH 181-3
Corequisite: TMTH 182-3 (3,3)L

TECHNOLOGY PROGRAMMING

TPRM 186-3

Basic language programming on micro-computers, oriented toward solving practical problems in electronics. Common numerical methods and algorithms applied to practical problems.

(1,2)L

VOCATIONAL PROGRAMS

NOTE: Special admission may be granted to enter a program where the admission requirements have not been met, upon the written recommendation of a counsellor and the instructor with the signed authorization of the appropriate Director.

APPRENTICESHIP TRAINING

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

Apprenticeship training presently offered are:

Automotive Mechanical Repair

Carpentry

Electrical

Heavy Duty Mechanics

Millwright

Plumbing

Steam and Pipe Fitting

Welding

Persons Interested in any of these trades should apply through the:

Apprenticeship and Industrial Training Counsellor

Ministry of Labour

Plaza 400 1011 4th Ave.

Prince George, B.C. V2L 3H9

Telephone 562-8131

or

The Apprenticeship and Industrial Training Branch

Ministry of Labour

4211 Kingsway

Burnaby, B.C. V5H 3Y6

Telephone 434-5761

AUTOMOTIVE MECHANICAL REPAIR (Apprenticeship)

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: To enter this program the participant must already be an indentured apprentice. Applicants must be in good health, non-allergic to solvents and lubricants, and have a good mechanical aptitude. (Contact Ministry of Labour Apprenticeship

Training Branch.)

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: 4 week intervals

COMMENCEMENT DATE: As per Ministry of Labour

FEEs: Tuition paid by Ministry of Labour.

Registration fee \$15

I.D. card \$1

BUSINESS OFFICE TRAINING

Certificate

(Office Administration)

The programs offered by the Office Administration Department are designed to train the student for employment at the entry level positions available in today's Business, Government, and Industrial Offices, and to train the student on automated office systems.

Students will learn the basic skills for positions involving general office duties such as filing, mail processing, typing, business machines, and/or in addition may have the option of selecting courses designed for legal secretaries, word processing specialists, word processing correspondence secretaries, etc.

The Course for the Office Administration programs are under review. As the technology of the automated office is rapidly changing, some of the applications of the new technologies will be introduced to the program for September, 1984.

For further information contact the Counselling Centre at 562-2131, Local 360.

ADMISSION REQUIREMENTS: All applicants will be required to take a placement test which will be used to determine entry into the program.

CARPENTRY

Apprenticeship

The Carpentry Apprenticeship program is intended in each of its four training sessions to increase carpentry skills and the student's understanding of the theory of carpentry. The course provides students with a grounding in equipment, materials, correct use of tools and construction procedures.

Apprentices must know the properties of and be able to work with wood, plywood, concrete and various metal, plastic, and composite products. They must be skilled in the care and use of tools and have a sound knowledge of local building codes and safety requirements.

THE PROGRAM

Covered during the 1st to 4th training session.

Good work habits

Care and use of tools
 Work safety (W.C.B.)
 Blueprint reading
 Building layout
 Materials
 Formwork
 Framing
 Exterior and Interior finish
 Roofing
 Heavy construction procedures
 Roof framing
 Stair building
 Basic welding

Upon completion of the four year apprenticeship program, the student must be able to visualize a completed project from blueprints and working drawings, to perform trade skills, and to give direction to all the sub-trades.

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

DRESS: That which is appropriate for training and safety. Safety toed boots are required (Worker's Compensation regulations will apply.)

LENGTH OF PROGRAM: 6 weeks

FEES: Tuition paid by the Ministry of Labour

I.D. Card \$1

Registration \$15

EXPENSES (estimated):

Textbooks \$100

Safety Toed Boots \$65

COOK TRAINING

Certificate

An introduction to Food Services and facets of kitchen management. Instructional areas covered in the program include soups and sauces, meat cookery, short-order, meat cutting, garde manger (cold kitchen), elementary baking, elements of catering and banquet preparation, storeroom procedures (inventory control), and speciality presentation.

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

ADMISSION REQUIREMENTS: Grade 10, GED, ABE III or Mature Student status. Applicants must supply a recent health certificate and chest x-ray.

LENGTH OF PROGRAM: 10 months

COMMENCEMENT DATE: August

(10 month program - 2 semesters)

Tuition	\$150	\$300
per semester		
Student Association	\$3 ²⁰	32
per month		
Registration	\$15	15
per year or program		
Lab Fees	\$25	50
per semester		
Uniform Cleaning	\$15	30
per semester		
I.D.	\$1	1
		<u>\$428</u>

DENTAL ASSISTING

Certificate

The Dental Assisting program provides the theory and skills necessary for the graduate to function as a chair-side 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. Graduates are advised that they must also complete courses and have a current certificate in Safety Oriented First Aid (SOFA) and Basic Rescuer I (CPR or Cardio Pulmonary Resuscitation) in order to become licensed. The SOFA and the Basic Rescuer I courses are not included in the Dental Assisting Program.



The student must make arrangements to complete these courses.

ADMISSION REQUIREMENTS: Grade 12 GED or ABE IV, Biology 11 or Biology 040, English 12 or English 040. GED meets the general admission requirements but does not meet specific program prerequisites.

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.

LENGTH OF PROGRAM: 10 months

COMMENCEMENT DATES: September. Application deadline May 1. (Although applications will be accepted after that date, preference will be given to applications received by May 1.)

FEES: (10 month program - 2 semesters)

Tuition	\$150	\$300
per semester		
Student Association	\$3 ²⁰	32
per month		
Registration	\$15	15
per year or program		
Lab Fees	\$25	50
per semester		
I.D.	\$1	1
		<u>\$398</u>

EXPENSES (estimated): Textbooks, Uniforms, Shoes, Safety Glasses, etc. \$400

ELECTRICAL

Apprenticeship

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.)

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: 8 week session

FEES: Tuition paid by Ministry of Labour

Registration \$15

I.D. Card \$1

GENERAL DRAFTING

Certificate

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

The draftsman 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 draftsman 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 ABE IV.

LENGTH OF PROGRAM: 9 months (30 hours per week)

COMMENCEMENT DATE: September

FEES: (9 month program - 2 semesters)

Tuition	\$150	\$300
per semester		
Student Association	\$3 ²⁰	28 ⁰⁰
per month		
Registration	\$15	15
per year or program		
Lab fees	\$25	50
per semester		
I.D.	\$1	1
		<u>\$394⁰⁰</u>

EXPENSES (Estimated): Books \$75
Calculator \$50

THE PROGRAMS:

GD 100 Basic Drafting (44 days)

- orthographic projection
- dimensioning - scales
- auxiliary views
- pictorial drawing
- sections and conventions
- intersections and developments

GD 200 Machine Drawing (20 days)

- tolerance and allowance
- fasteners
- gears and cams
- assembly drawings

GD 300 Civil Drawing (50 days)

- subdivision mapping
- grading, profiles and sections
- highway construction drawings
- industrial piping
- descriptive geometry and geological applications

GD 400 Technical Mathematics (12 days)

- fundamentals and metrics
- geometry
- educations
- trigonometry
- vectors

GD 500 Architectural Drawing (36 days)

- residential planning, design and drawing
- building codes and standards
- light construction
- detail drawings

GD 600 Mechanics and Strength of Materials (12 days)

- force and stress
- moments and reactions
- shear, bending and deflection
- wood timber design

GD 700 Surveying (10 days)

- distance and angular measurement
- traversing
- differential learning
- coordinate geometry
- field notes
- transit and level instruments
- fieldwork

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).

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: 5 weeks

FEES: Paid by Ministry of Labour

REGISTRATION: \$15

I.D. CARD: \$1

LONG TERM CARE AIDE Certificate

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 and Aide (Long Term Care)" Ministry of Education. Clinical practice will be provided in the College nursing lab and in extended and intermediate care units of health care facilities. The completion of a Safety Oriented First Aid Program (SOFA) is also a requirement.

The student must make arrangements to complete the SOFA course.

ADMISSION REQUIREMENTS:

1. Grade 10 recommended and Grade 9 reading level required. Testing for reading level must 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: (15 week program)

Tuition:	\$15	\$225
per week		
Student Association:	\$3 ²⁰	12 ⁰⁰
per month		
Registration	\$15	15
per year or program		
Lab Fees:	\$25	25
per program		
I.D.:	\$1	1
		<u>\$278⁰⁰</u>

EXPENSES (estimated only): Uniforms: \$75
Textbooks: \$75

MILLWRIGHT

Apprenticeship

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.)
DRESS: Workers' Compensation Board Regulations will apply. Safety toed boots and coveralls are required.
LENGTH OF PROGRAM: 5 weeks
FEES: Tuition Paid by the Ministry of Labour.
REGISTRATION: \$15

OFFICE ADMINISTRATION (See Business Office Training)

PLUMBING Apprenticeship

This program is open to indentured apprentices registered through the Ministry of Labour, Apprenticeship Training Programs Branch. It provides a six week term of instruction in theory and practical application of the Plumbing trade in each year of the four year apprenticeship.

Schooling prepares apprentices for the Interprovincial Trades Qualification ticket (T.Q.) in Plumbing.

THE PROGRAM:

Care and Use of Tools
 Science and Math
 Welding, Soldering and Brazing
 Piping
 Pumps and Water Supply
 Drainage, Waste and Venting
 Cross Connection Control
 Estimating
 Valves, Fittings and Supports
 Hot Water Heating
 Gas Fitting

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

LENGTH OF PROGRAM: Four 6 week sessions.

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

FEES: Registration: \$15

I.D.: \$1

EXPENSES (estimated): Textbooks and training materials \$300 in total

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 ABE IV. Related experience in industry will be considered in lieu of formal education.

RECOMMENDED: Algebra 11 or MATH 040, Physics 11 or PHYS 040, Chemistry 11 or CHEM 040, Drafting.

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: 10 months

COMMENCEMENT DATE: September

FEES:

Tuition: \$150

Student Association: \$25

Registration: \$15

I.D. Card: \$1

THE PROGRAM

Mathematics and Applied Science
 Instrumentation

Workshop
 Sketching and blueprint reading
 Steamplant training
 Boiler operation
 Electricity
 Report writing

POWER ENGINEERING UPGRADE

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

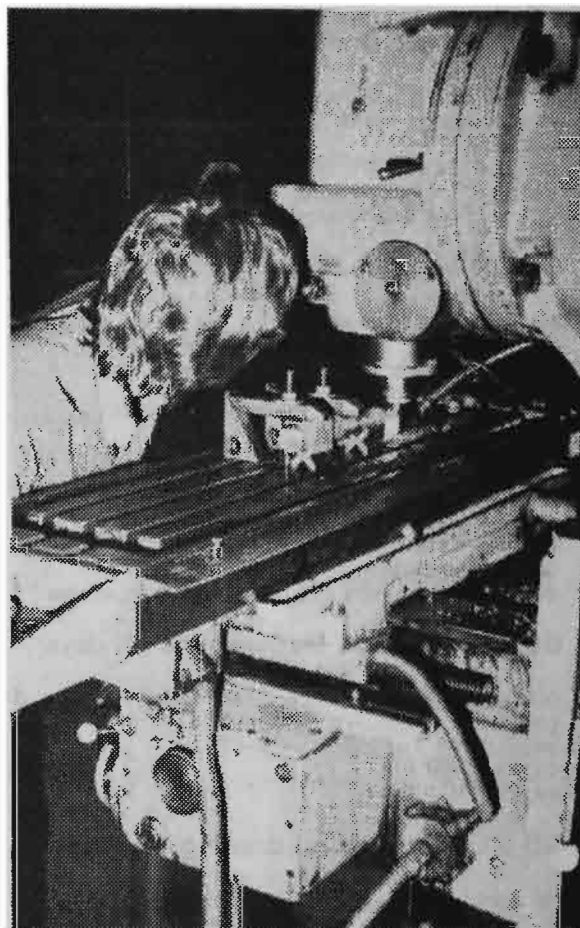
Inquiries should be directed to the Office of Admissions and Registration.

LENGTH OF PROGRAM: Variable

COMMENCEMENT DATE: Continuous Intake

FEES: (10 month program)

Tuition:	\$250	\$500
per semester		
Student Association:	\$3 ²⁰	32
per month		
Registration:	\$15	15
per year or program		
Uniform Cleaning:	\$15	30
per semester		
I.D.:	\$1	<u>1</u>
		\$578



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 Counselling Centre.

POWER ENGINEERING UPGRADE (Correspondence)

For students who are unable to attend either full-time or part-time classes, a full range of correspondence courses are offered in the 4th, 3rd, 2nd, and 1st Class Power Engineering. This service is available on a year round basis through the Open Learning Institute(O.L.I.)

STEAMFITTING AND PIPEFITTING Apprenticeship

This program is offered to indentured apprentices registered through the Ministry of Labour, Apprenticeship Training Programs Branch. It provides a six week term of instruction in theory and practical applications of the steamfitting-pipefitting trade in each year of the four year apprenticeship.

Schooling prepares apprentices for the Interprovincial Trade Qualification ticket (T.Q.) in Steamfitting - Pipefitting.

THE PROGRAM:

Care and Use of Tools
Good Work Habits
Sciences and Mathematics
Piping, Support and Valves
Soldering, Brazing, Cutting and Welding
Pumps
Heating Systems
Air Conditioning
Boilers
Instrumentation
Gasfitting

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

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: Four 6 week sessions.

FEES: Tuition - Paid by the Ministry of Labour.

Registration: \$15

I.D. Card: \$1

EXPENSES (estimated): Textbooks and training materials \$200 in total.

TRAINING ACCESS (TRAC) PROGRAM

This program has been introduced throughout B.C. and has transferability to other B.C. colleges and institutes. The TRAC program is designed to allow students to develop the skills necessary to enter an apprenticeship. It is also designed to allow students to make choices as to which trade they wish to enter as an apprentice.

THE PROGRAM

The TRAC program has three levels:

1. Common Core: All students will take this level which is designed to provide the knowledge and skills common to all trades.

2. Occupational Core: After completing the Common Core students will enter Occupational Core where they will take training in broad occupational areas. CNC will offer instruction in Carpentry / Joinery, Electrical, Machinist/Millwright, Mechanics, and Piping.

Metal Fabricating will be offered at other B.C. colleges and institutes.

3. Specialty: After students have completed the Occupational Core they will then take training specific to individual trades. At present CNC offers instruction in Automotive Repair, Carpentry, Electricity, Heavy Duty Repair, Millwrighting, Plumbing, and Steamfitting. Autobody Repair, Boilermaking, Inboard/Outboard

Engine Repair, Ironworking, Joinery, Sheet Metal Working, Sprinklerfitting, and Steel Fabricating courses will be offered at other B.C. colleges and institutes. Students may transfer to other institutions at any point in the program.

OCCUPATIONAL CORE LEVEL	SPECIALTIES LEVEL
Carpentry/Joinery	Carpentry ★ Joinery
Electrical	Electricity ★ Machinist
Machinist/Millwright	Millwrighting ★ Autobody Repair
Mechanics	Automotive Repair ★ Inboard/Outboard engine Repair
Common Core	Heavy Duty Repair ★ Boilermaking ★ Ironmaking
★ Metal Fabrication	★ Sheet Metal Working ★ Steel Fabrication
Piping	Plumbing ★ Sprinklerfitting Steamfitting

★ Starting dates not confirmed. Contact the Counselling Centre.

ADMISSION REQUIREMENTS: Grade 10, GED, or ABE III or Mature student status. (Requirements may be changed. Contact the Counselling Centre). Grade 10 completion including Math, Science and English or ABE III or GED. A general Medical Examination is required with special note taken of colour blindness, respiratory problems and allergies.

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots are required.

LENGTH OF PROGRAM: Varies. This program is self-paced. Each level should take about two months. Students with previous experience or training may write challenge exams and, if successful, may be exempted from some sections of the program.

COMMENCEMENT DATES: New classes will start every two weeks.

FEES:

FEE PAYER	
Tuition:	\$25
(1st TRAC coupon)	
Labs:	\$75
(all 3 levels)	
I.D.:	\$1
(good for 10 months)	
Student Association:	\$32
(good for 10 months)	
Registration:	\$15
Total:	\$148

THESE FEES ARE NON-REFUNDABLE - NON-REFUNDABLE SHOULD BE WRITTEN ON THE COUPON.

Additional Coupons may be purchased for \$25 each. Refunds will be issued on coupons according to test boxes unmarked by TRAC office. Student will bring pink copy from TRAC office to Admissions and Registration office where refund can be computed. Refunds are based on \$1 per empty box.

MANPOWER STUDENTS

Lab Fees:	\$75
I.D.:	\$1
Student Association:	\$32
Registration:	\$15
Total:	\$132

MANPOWER STUDENTS GET THEIR FIRST TRAC COUPON ISSUED FROM ADMISSIONS; ADDITIONAL FROM TRAC OFFICE.

SPONSORED STUDENTS

Don't pay anything but get first TRAC coupon from CNC, and any additional tickets.

D.I.A. OR M.H.R. STUDENTS

Tuition (8 TRAC cards):	\$200
Lab/Material Fees:	\$75
Student Association:	\$32
Registration:	\$15
I.D.:	\$1
Total:	\$323
EXPENSES (estimated):	
Safety-toed boots, \$65.	

WELDING

Certificate

Welding is a specialized skill, the demand for which is rapidly expanding in our industrial society. It requires constant physical co-ordination of arms, hands and eyes, and the student develops manipulative skills through manual training.

Welding is universal in its application. Construction welding appeals to certain people due to the variety of working locations, while others prefer to remain in industrial centers where job opportunities are also plentiful.

Due to microtechnological evolution, welding equipment and techniques are constantly changing. It therefore becomes imperative for welders to constantly strive to update their skills.

Successful students of this program will be qualified for a variety of employment opportunities in the metal working industries. A production welder, maintenance welder, welder fabricator or welder fitter are only a few of the possible employment possibilities.

BEGINNER WELDING (Registered "C" Level)

This program offers basic training for entry level employment in a broad variety of welding and steel fabrication related jobs. The curriculum is self-paced and is organized in a modular format which is designed to accommodate the individual differences which occur in learning. On completion of the program a student will have gained enough practical experience and related theory to take a variety of job tests.

COURSE CONTENT:

- P-1 Introduction and Program Orientation.
- P-2 Gas Cutting.
- P-3 Gas and Braze Welding.
- P-4 Shielded Metal Arc Welding.
- P-5 Air Carbon Arc Cutting.
- P-6 Gas Metal Arc Welding, Flux Core Arc Welding.
- RK-1 Material Handling and Rigging.
- RK-2 Blue Print Reading I.
- RK-3 Introduction to Metallurgy I.

ADMISSION REQUIREMENTS: Grade 10, GED, ABE III.
DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots and welding gloves are required.

LENGTH OF PROGRAM: May vary from 5-7 months. Continuous intake based on a modular concept is designed to allow students to progress at their own rate.

FEES: Beginner (Full time / Day time) (5-7 months) 5 month program

Tuition:	\$15 per week	\$300
Student Association:	3 ⁰⁰ per month	16
Registration:	15 per year or program	15
Uniform Cleaning:	15	15
I.D.:	1	1
		\$347

EXPENSES (estimated): Welding Gloves
Safety-toed Boots \$65

ADVANCED WELDING (Upgrading, Registered "B" and "A" Levels and Testing).

COURSE CONTENT:

Register "B" Level contains training in the following practical and related knowledge modules:

- P-7 Shielded Arc Welding II (S.M.A.W. II).
- P-8 Gas Metal Arc Welding II (G.M.A.W. II).
- P-9 Flux Core Arc Welding II (F.C.A.W. II).
- P-10 Gas Tungsten Arc Welding I (G.T.A.W. I).
- RK-5 Inspection Procedures, Welding Standard and Quality Control.
- RK-6 Blueprint Reading II.
- RK-7 Metallurgy II.

Registered "A" Level contains training in the following practical and related knowledge modules:

- P-11 Shielded Metal Arc Welding III (S.M.A.W. III).
- P-12 Gas Tungsten Arc Welding II (G.T.A.W. II).
- RK-8 Metallurgy III.
- RK-9 Blueprint Reading III.

TESTING: Company, industry, government and other testing will be offered. The instructor will inform interested parties as to the paperwork required by the various companies and the Brollier Inspection Branch. The instructor will supervise the practical performance of the test as well as arrange for inspection by the government Boiler Inspector.

ADMISSION REQUIREMENTS:

(1) Registered "B" and "A" Levels require the candidate to have successful completion of the Registered "C" Level.

(2) Registered "A" Levels require the candidate to have successfully completed the registered "B" Level.

Applicants must contact instructors for assessment, space availability, and testing requirement.

DRESS: Worker's Compensation Board regulations will apply. Safety-toed boots and welding gloves are required.

FEES:

Tuition: \$15 per week

Testing: \$45

Lab/Materials: Charges vary with the type of test taken.

EXPENSES (estimated): Welding Gloves: \$12
Safety-toed Boots: \$65
Books
Students Association: \$12⁰⁰
Registration: \$15
I.D. Card: \$1

EARLY CHILDHOOD EDUCATION Certificate

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.

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 ABE IV,
English 12 or English 040.

Application forms are available from the Financial Aid Office and should be submitted at the start of classes.

GED meets general admission requirements but does not meet program or course prerequisites where applicable.

A medical examination including T.B. test and up to date immunization is 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

COMMENCEMENT DATE: September

FEES: (9 month program)

TUITION	\$150	per term	\$300
STUDENT ASSOCIATION	3 ²⁰	per month	28 ⁰⁰
REGISTRATION	15	per year or program	15
LAB FEES	25	per term	50
I.D.	1		1
			<u>\$394⁰⁰</u>

THE PROGRAM

SEMESTER I

Child Growth & Development	ECE 151-4
Theories and Practices of ECE	ECE 154-3
Program Development	ECE 165-4
Seminar in ECE	ECE 160-1
Observing and Recording Behaviour	ECE 170-2
Practicum	ECE 190-3
Human Relations in Early Childhood Settings	ECE 176-3

SEMESTER II

Theories and Practices of ECE	ECE 155-3
Program Development	ECE 166-4
Seminar in ECE	ECE 161-1
Human Relations in Early Childhood Settings	ECE 176-3
The Child in Society	ECE 153-3
Interacting with Families	ECE 174-2
Practicum	ECE 199-4
Health, Safety & Nutrition in the Preschool	ECE 172-2
Human Relations in Early Childhood Settings	ECE 176-3

VOCATIONAL PROGRAMS

ADMISSIONS & REGISTRATION

ADMISSION REQUIREMENTS

Admission requirements may vary. Please check AD-MISSION REQUIREMENTS for each program. To be eligible for Mature Student Status the applicant must be 19 years of age and have been out of the regular school system for at least one year.

ADMISSION PROCEDURES

For Apprenticeship Programs:

Apply through the
Apprenticeship and Industrial Training Counsellor
Ministry of Labour
Plaza 400, 1011 4th Avenue
Prince George, B.C. V2L 3H9
Telephone: 562-8131

or the

Apprenticeship and Industrial Training Branch
Ministry of Labour
4211 Kingsway
Burnaby, B.C. V5H 3Y6
Telephone: 434-5761

For Other Programs:

- (i) Write or inquire for an application.
Office of Admissions and Registration
College of New Caledonia
3330 - 22nd Avenue
Prince George, B.C. V2N 1P8
562-2131

- (ii) The completed application form along with all necessary transcripts should be submitted to the College. Secondary School students may complete a report

on Secondary School Subjects. This report 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 transcripts of Secondary School grades should be forwarded as soon as possible. Students are not formally accepted or placed on program waiting lists until transcripts or Statements of Secondary School Status are received by the College.

- (iii) Applications will be processed and students will be notified by mail of their admission to the College.

- (iv) Detailed registration information, including the date and time for registration, will be included with the Permission to Register letter.

- (v) Persons requiring program information are encouraged to see a counsellor.

- (vi) Students must register at the time indicated on their Permission to Register letter. Registration is not complete until all fees have been paid.

NOTE: A \$50 late registration fee will be assessed anyone who does not register at the time indicated on their Permission to Register letter. Students with unusual circumstances may appeal this late fee through the Registrar.

- (vii) To withdraw from a program the student must complete the Withdrawal form available at the Office of Admissions and Registration.

PRIORITY

All Applicants are urged to apply as early as possible as first priority may be given to the earliest applicant.

VOCATIONAL PROGRAMS FEES & EXPENSES

FEES

Fees may vary. Please check FEES for each program. No fees will be charged to Senior Citizens.

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.

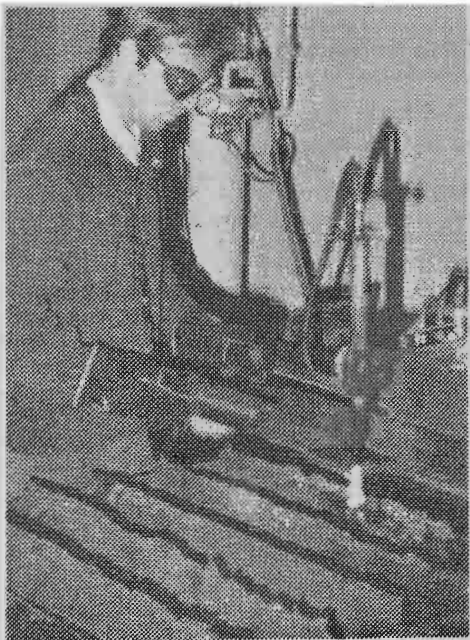
SPONSORED STUDENTS

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

PAYMENT OF FEES

Tuition and Student Association fees are collected at the time of registration. Canada Employment sponsored students must pay \$15 Registration Fee, the Student Association Fee, and the \$1 I.D. Card Fee. Other sponsored students may present a letter from the sponsoring agency promising payment.

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 Registrar.



MISCELLANEOUS FEES

Grade Appeal	\$5
Transcript	\$5
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 beyond the fees they will incur. Costs can be estimated as follows:

Books and Supplies	\$100
Tool and Book deposit	\$50
Leather gloves for welding students	\$19
Steel-toed boots	\$65
Local transportation	\$150
Miscellaneous	\$400
	\$784

HOUSING AND MAINTENANCE EXPENSES

The average cost for room and board in Prince George is \$250 - \$350 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 percent refund of fees will be made if the student withdraws within two weeks after commencement of classes or prior to completion of 15 percent of the course in courses / programs less than 4 months in length.

b) A 50 percent 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 percent 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 percent of the course has been completed in courses/programs less than 4 months in length.



VOCATIONAL PROGRAMS GRADES & TRANSCRIPTS

EVALUATION AND GRADING

To ensure maximum involvement of the student in the learning process, C.N.C. follows a policy of regular and frequent evaluation in determining grades. All final grades are issued by the college through the office of the Registrar.

GRADES

Alphabetic symbols may be 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

A Outstanding achievement

B Plus

B Good achievement

C PLUS

C Satisfactory achievement

P Pass

F Fail. No credit granted.

G Aegrotat. A student who has demonstrated comprehensive master of a course but because of illness or family affliction is unable to complete a final assignment or unable to sit a final examination, may be awarded "Aegrotat" standing. The "G" designation, followed by a regular letter grade, indicates appropriate credit will be given for the course.

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.

N A student who completes no assignments for grading and who fails to officially withdraw from the course will receive an "N" grade. The "N" designation carries a grade point of "0" and will be incorporated in

the student's grade point average.

S Satisfactory achievement in courses where letter grades are not assigned.

TER This signifies that the student was terminated from the applicable course by the college.

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.

STATEMENT OF GRADES

At the end of each 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 or certificate will be released.

NOTE: Statement of Grades for Apprenticeship programs will be issued by the Ministry of Labour.

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.

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 Office of Admissions and Registration at a cost of \$5 per copy. The College will forward transcripts to other institutions or potential employers, etc. only with the specific permission of the student involved.

NOTE: Transcripts for Apprenticeship programs must be obtained from the Ministry of Labour.

CONTINUING EDUCATION PROGRAMS

562-2131 Loc. 202

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 the 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 most of the rights and privileges of full-time students at CNC. Many of the programs at the College are designed to allow an adult to follow the programs 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 program. 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.

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 programs in adult, part-time education.

PROGRAMS

VOCATIONAL PART-TIME PROGRAMS

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

GENERAL INTEREST PROGRAMS

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.

SEMINARS AND CONFERENCES

Usually initiated when large public demand is recognized.

NATIVE INDIAN PROGRAMS

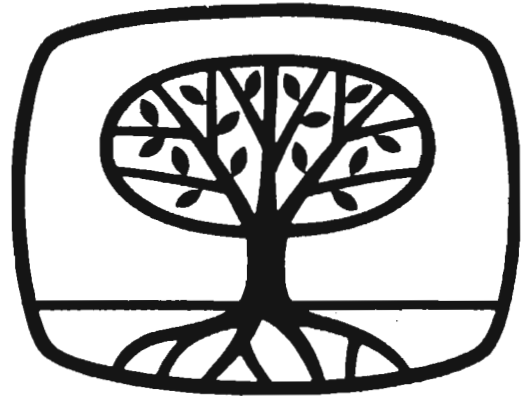
This is a developing program that aims to work with status and non-status people to meet their educational and training interests. These include adult upgrading, vocational and career programs both in Prince George and the region. Special programs include Teacher Associate Training, Pre-career preparation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

WOMEN'S PROGRAMS

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

PROVINCIAL INDUSTRIAL TRAINING CONSULTANT

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).



KNOWLEDGE NETWORK

CNC receives educational programming from various institutions in the lower mainland through the Anik-C satellite system. There are live-interactive, telecourses, and video tape courses offered. CNC feeds the and video tape courses offered. These courses are available throughout the College Region.

COLLEGE BOARD

GOVERNMENT APPOINTEES

G. Barr - Quesnel
J. Blunt - Prince George
J. Dodge - Fraser Lake
D. Little - Prince George
R.W. Stewart - Prince George (Chairman)
W. Gilgan - Burns Lake
C.H. Stephen - Vanderhoof
F. Gregory - Prince George

FACULTY & ADMINISTRATION

J. Allgaier	B.A., M.A.	English	P. Elliott	Forest Technology Dip. of Tech C.E.T.	Forest Resource Technology
D. Anderson	B. Sc.	Vice Prin., Programs and Educational Ser- vices	J. English	P.Eng.	Electrical Electronics
L. Anderson	I.D.	Welding	G. Farmer	B.A., M.A.	Sociology Anthropology
C. Andrew	R.N.B.Sc.N., M.Ed.	Nursing	S. Fefferman	B. Comm., M.A.	Economics
M. Applegate	R.N., B.Sc.N.	Nursing	D. Fleck	C.F.C.C., T.Q., Cert. Journeyman	Cooking
J. Backhouse	A.L.A.	Head, College Resource Centre	A. Forsyth	IP.TQ, A.W.W.A.	Steam Fitting
L. Backman	C.D.A.	Dental Assisting	J. Fort	R.N., B.Sc. N.	Nursing
M. Baehr	B.A., I.D., M. Ed.	Business Programs	C. Fortin	I.D.	Welding
C. Bardal	B.S.F., R.P.F.	Forest Resource Technology	K. Friedrich	R.N., B.Sc. N	Nursing
G. Bebault	B.Sc., Ph.D.	Chemistry	N. Frood	R.N., B.Sc. N	Nursing
M. Bell	R.N., B.N.	Nursing	M. Fuhrmann		Electrical
N. Berry	B.Ed.	A.B.E. Instruction	W. Garrett	B.A., M.A., Ph.D.	Director, Deve- lopmental Services
S. Berry	Telecommunication and Electronic Diploma	Audio Visual Manager	J. Gattrell	B.A., M.L.S.	Reader Services Librarian
R. Bircher	I.D., 1st Class P.E., J.I.I.M.	Power Engineering	M. Gee	B.Ed., Comm. Cert. F.T.M. Dip. B.C. Teach. Cert.	ABE English and Math
C. Blair		Millwright	M. Geller		Developmental Services
J. Blake	B. Comm., M.B.A.	Vice Prin., Administration and Bursary	J. Gillespie	B.S.F.R.P.F.	Forest Resource Technology
C. Bowes	Dip. E.C.E., B.A.	Early Childhood Ed.	B. Gillies		Labour Relations Asst.
R. Brazier	B.Sc., M.Ed.	Head of Human Resource Develop- ment Programs	R. Goode	Arch Tech	Bldg. Services Manager
S. Burgess	I.D.	H.D. Mechanics	B. Gordon	R.N., B.Sc. N	Nursing
D. Carlson		A.B.E.	R. Goudie	Inter-Prov. Auto Mechanic, T.O.	Automotive Instructor
M. Chapman	R.N., B.Sc. N.	Nursing	J. Graber	B.Sc.	Construction Tech.
J. Chorney		Head of Trades	R. Green	B.Comm., C.A.	Business Administration
J. Cloe	B.A., M.A., Ph.D.	Psychology	E. Griffith		Computer Info. Systems
G. Clancy	C.F.C.C., T.Q., Cert. Journeyman	Mgr. Food Services	L. Hamel		Heavy Duty Mechanics
A. Clark	Dip. Computer Technology	Data Processing	J. Harris	B.A., M.A., Ph.D.	English
D. Cole	B.A., C.A.	Controller	W. Hartman		Area Director, Mackenzie
J. Connors	B.Sc.	ABE Mathematics and Physics	W. Heinz		Comp. Info. Systems
K. Conroy	B.A., M.A., M.S.W.	Counsellor	M. Hill	B.Sc., M.A.	Mgr. Adult Special Education
M. Croken	R.N., B.A.	Nursing	L. Hogan	R.N., B.Sc. N	Nursing
J. Crow	B.Sc., Ph.D.	Chemistry	W. Hohman	B.Sc., M.Sc., M.A.	Mathematics
J. Curry		Personnel Asst.	P. Husband	R.N., B.Sc. N.	Nursing
K. Dawson	I.D.	Trades	R. Insley	B.Sc., M.Sc.	Mathematics
S. Delaney		Exec. Sec. to Principal	G. Jackson		ABE English
B. Dickens	B.S.F., R.P.F.	Forest Resource Technology	C. Jarosh	B.S.A., M.Sc.	Biology
A. Dumas	B.Sc., P.Eng.	Construction Technology	J. Jensen	I.D., Inter-Prov. 1st Class Elect.	Electrical
R. Dunsmore	B.S.F., M.F.	Forest Resource Technology	H. Klassen	Tech. Dip. B. Sc.	Area Director, Nechako
			P. Kolbuc	Ag.	Vocational Preparation

G. Krop		Business Administration	D. Roscoe	B.A., M.S., Ph.D.	Bookstore Manager
C. Lee	B.A., M.Sc., Ph. D.	Mathematics	A. Roy		Office Administration
M. Lee	B.Sc., Ph. D.	Biology	D. Rubadeau	B. Comm.	Associate Director University Credit Programs and Centre for Improved Teaching
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	K. Ruffie		Head Reference Services
R. Lo	B.Sc., Ph.D.	Biology	W. Rush	B. Comm.	ABE Math
F. Long	B.A., B.Ed.	Area Director, Burns lake	R. Ryan	B. Comm.	Business Administration
N. Lynch	R.N., B.Sc. N	Nursing	T. Sawtell	B.A., M.Ed., B.C. Teach Cert.	TRAC
D. MacNeil	B.A., E.C.E. Cert.	Early Childhood Education	C. Schlueter		Millwright
R. Maldes		Public Relations Officer	L. Schmidt	R.N., B.A.	Nursing
R. Malda	B.A., M.Sc.	Counsellor	W. Schulte	B.Sc., Bus. Admin.	Manager Financial Services
B. Malcolm	B.Sc., M.Sc.	Chemistry	G. Scliver	T.Q. Carp., B. Ed., M. Ed.	Registrar
R. Martin	I.D.	Welding	P. Seens	B.A., M.A., M.L.Sc.	Director, Planning and Student Records
C. McCaffray		Principal	S. Shaffer	B.A., M.A., B.C. Teach Cert.	English
E. McCue		Exec. Sec. to Vice Principal, Administration and Bursar	G. Sinclair	R.N., B.Sc.N.	Director, Health and Social Sciences
T. McDonald	B.Sc., M.A.	Psychology	G. Sipos	B.A., M.A., B.C. Teach Cert.	English
J. McGillivray	R.N., B.Sc. N	Nursing	D. Snider	C.E.T.	Industrial Training Consultant
B. McKinnon	B.A., M.A.	English	J. Somero		Executive Secretary, Vice Principal, Programs and Educational Services
D. McMullen	IPTQ, BC N°2 G.F. AWWA	Plumbing	B. Spearman	B.Sc., M.Sc., Ph.D.	Mathematics
J.A. McVey	M.A. (Hons.) M.A.	Geography	G. Springate	B.Eng., M.B.A.	Director, Science, Trades and Technology
R. Miller		Mgr. Computer Services	T. Stageburg	B.S., M.Ed.	Dev. Services
M. Mingay	I.D., T.O. Elect.	Electrical	D. Stearns	B.S.F.	Forest Resource Technology
S. Moores	R.N., B.Sc. N	Nursing	D. Steer	R.N., B.Ed.	Nursing
G. Morrison	B. Ed., M. Ed.	Admin. - Director Business	J. Steger	Mill T.Q.	Millwright
V. Nau	B.Sc.	ABE Chemistry	L. Steneker		Purchasing Agent
G. Neelin	B.A.	Area Director, Robson Valley	N. Tarrant	C.D.A.	Dental Assisting
R. Nelson	B.Sc., M.Sc., Ph.D.	Physics	R. Taylor	T.Q.	Millwright
Y. Nomura	B.S., M.Sc.	Mathematics	W. Taylor	I.D., T.Q., H.D.M. and Auto	Apprentice: H.D.M.
J. North		Mgr. Security and Custodial Services	B. Thair	B.A., M.A., Ph.D.	Biology
K. Parker	B.A., M.A.	Sociology / Criminology	J. Therres	I.D., 1st Class Power Eng.	Power Engineering
E. Peacock	I.D.	Drafting	M. Timbres	B.A.	Manager, General Interest
B. Petriw	R.N., B.N.	Nursing	G. Tyndall	B.Sc., M.A.	Psychology
J. Peters		Carpentry	P. Usher	B.P.E., M.A., Ph.D.	Physical Education
K. Pielt	B.A., M.L. Sc.	Librarian	B. Watters	B.A.Sc., P. Eng., R.P.F., M.F.	Forestry / Dev. Services
J. Pooley	B.Sc.	Office Administration	B. Westfall		Area Director, Quesnel
D. Precosky	B.A., M.A., Ph.D.	English			
H. Ramsay	B.S., M.A.	English Language Training			
P. Ramsay	B.A., M.A.	English			
E. Ritch	B.Sc., M.Ed.	ABE Biology			
P. Roberts	B.P.E., M. Ed.	Counsellor			
P. Robinson	B. Comm., M.B.A.	Head, Business Management Programs			
V. Rochford	B.A., R.N., M.A.	Nursing			

D. Wharrie	Bus. Admin. Diploma	Associate Director, Regional Operations and Ancillary Services	M. Wilson	C.F.C.C., C and G	Cooking
			L. Winthrop	Bus. Admin. Diploma	Personnel Manager
H. Williams	B.A., M.A.	Manager, Developmental Centre	D. Worden	B.A.Sc., M.A.Sc.	Mathematic
C. Wilson	B.A., M.Ed.	Academic Upgrading	B. Zettl		Office Administration

BUSINESS ADMINISTRATION TRANSFER GUIDE

C. N. C.	Institute of Chartered Accountants of B.C. (CA)	Certified General Accountants of B.C. (CGA)	Society of Management Accountants of B.C. (RIA)
Acc 151 and 152	Financial Accounting to Intern. Level	Accounting 101	111 Introductory Acc.
Accounting 251		Intermediate Acc. 211 and 222	229 Intermediate Acc I
Accounting 252			339 Intern. Acc. II
Acc 253 and 254	Management and Cost Acc.	Cost Accounting 311	331 Cost and Management Acc.
Accounting 257	Business Finance	Financial Controllorship 316	442 Financial Management
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Management 261	Organization Behaviour		
Management 262	Organization Behaviour		123 Organizational Behaviour
Law 293	Commercial Law	Law 108	122 Commercial Law
Law 294	Commercial Law		
Commerce 120	Organizational Behaviour		
Commerce 110	Mathematics		333 Quantitative Methods II
Commerce 207	Statistics	Statistics	
Commerce 208			
Commerce 201	*** Note three		
Economics 201	Economics	Economics 104	212 Economics
Economics 202	Economics		
Economics 151	Economics		
C.I.S. 151	Computers in Business		
C.I.S. 153			
C.I.S. 253	Computers in Business		
C.I.S. 284	Information Systems		
C.I.S. 285	I.C.S. 325	451 Accounting Information Systems	
English 151 and 152			213 Communications and Case Analysis
Math 101 or 103 or 104	Mathematics		
Math 104	Statistics		232 Quantitative Methods I
Math 109	Computers in Business		
Math 157	Statistics	Statistics	232 Quantitative Methods I

NOTES:

- * Prerequisites: C.I.S. 151 and 153.
- ** Mandatory subjects; those candidates with required subject(s) must challenge the R.I.A. exam.
- *** May be substituted for Acc 151/152 portion of Financial Accounting.

CNC-UNIVERSITY TRANSFER EQUIVALENCIES

C.N.C.	S.F.U.	U.B.C.	U.V.C.	C.N.C.	S.F.U.	U.B.C.	U.V.C.
Anth 101	S.A. (3)	Anth (1 1/2)		Chem 201	Chem 261 (3)	Chem 205 (3) OR	Chem 200 level (1 1/2)
Anth 101	S.A. 270 (3)			Chem 202	Chem 232 (3)	Chem 220 (3)	Chem 200 level (1 1/2)
Anth 202	S.A. (3)			Chem 203	Chem 251 (3)	Chem 203 (3) OR	
Anth 102	Art (3)			Chem 204	Chem 252 (3)	Chem 230 (3)	Chem 230 (3)
Anth 103	S.A. 200 level (3)			Com 110		Com 110 (1 1/2)	
Anth 201	S.A. 170 (3)	Pending	Anth level (1 1/2)	Com 120	Bus 270 (3)	Com 120 (1 1/2)	
Anth 202	S.A. (3)	Anth 200 (1 1/2) } Anth 200 (1 1/2) } 200 (3)	Anth 200 level (1 1/2)	Com 201	Bus 222 (3)	Com 151 (1 1/2)	
Art 101	Visual Art (3) Studio			Com 202		Com 153 (1 1/2)	
Art 102	Visual Art (3) Studio			Com 207	Math (3)	Com 211 (1 1/2)	Math 200 level (1 1/2)
Art 103	Art History (3)			Com 208	Math (3)	Com 212 (1 1/2)	Math 200 level (1 1/2)
Art 104	Art History (3)			CRIM 101	CRIM 101	Socd (1 1/2)	Socd 100 level (1 1/2)
Art 163	Visual Art (3) Studio	Fine Arts 125 (3)	H.A. 120 (3)	CRIM 103	CRIM 131		
Art 164	Visual Art (3) Studio			CRIM 106	CRIM 104		
Art 165	Visual Art (3) Studio			CRIM 241	CRIM 241		
Art 166	Visual Art (3) Studio			CRIM 230	3 unassigned 2nd yr. credits		
Art 171	Visual Art (3) Studio			Econ 101	Econ 100 (3)	Econ (1 1/2)	Econ 100 level (1 1/2) } Econ 100 (3)
Art 172	Visual Art (3) Studio			Econ 102	Econ 101 (3)	Econ (1 1/2)	Econ 100 level (1 1/2) } Econ 100 (3)
Art 173	Visual Art (3) Studio			Econ 201	Econ 205 (3)	Econ (1 1/2)	Econ 202 (1 1/2)
Art 174	Visual Art (3) Studio			Econ 202	Econ 200 (3)	Econ (1 1/2)	Econ 201 (1 1/2)
Art 177	Visual Art (3) Studio						
Art 178	Visual Art (3) Studio						
Art 261	Visual Art(3)Studio						
Art 262	Visual Art(3)Studio						
Art 264	Visual Art(3)Studio						
Art 265	Visual Art(3)Studio						
Astr 101	Astron (3)	Science (1 1/2)	Art 200 level (1 1/2)	Engl 101	Engl (3)		Engl 121 (1 1/2)
Astr 102	Astron (3)	Science (1 1/2)	Art 200 level (1 1/2)	Engl 102	Engl (3)		Engl 122 (1 1/2)
Astr 131	Phys (3)			Engl 103	Engl (3)		Engl 115 (1 1/2)
Bio 101	BiSc 101 (3)			Engl 104	Engl (3)		Engl 116 (1 1/2)
Bio 102	BiSc 102 (3)						
Bio 103	BiSc 101 (3)						
Bio 104	BiSc 102 (3)						
Bio 111	BiSc (3)						
Bio 112	BiSc (3)						
Bio 121	BiSc (3)						
Bio 122	BiSc (3)						
Bio 181	BiSc (3)						
Bio 182	BiSc (3)						
Bio 201	BiSc 201 (3)						
Bio 202	BiSc (3)						
Bio 203	BiSc 204 (3)						
Bio 204	BiSc 202 (3)						
Bio 205	BiSc (3)						
Bio 206	BiSc (3)						
Bio 207	BiSc 203 (3)						
Bio 208	BiSc 203 (3)						
Bio 209	BiSc 326 (3)						
Bio 274							
Chem 101	Chem 105 (3)						
Chem 102	Chem 104 (3)						
Chem 103	Chem (3)						
Chem 104	Chem (3)						

C.I.S. Courses have not been articulated

Examples from Engl 101, 102 or 103
CNC Engl 101 and 104 or 102 and 104 will
receive credit for any two of S.F.U. Engl
101, 102, 103 or 104

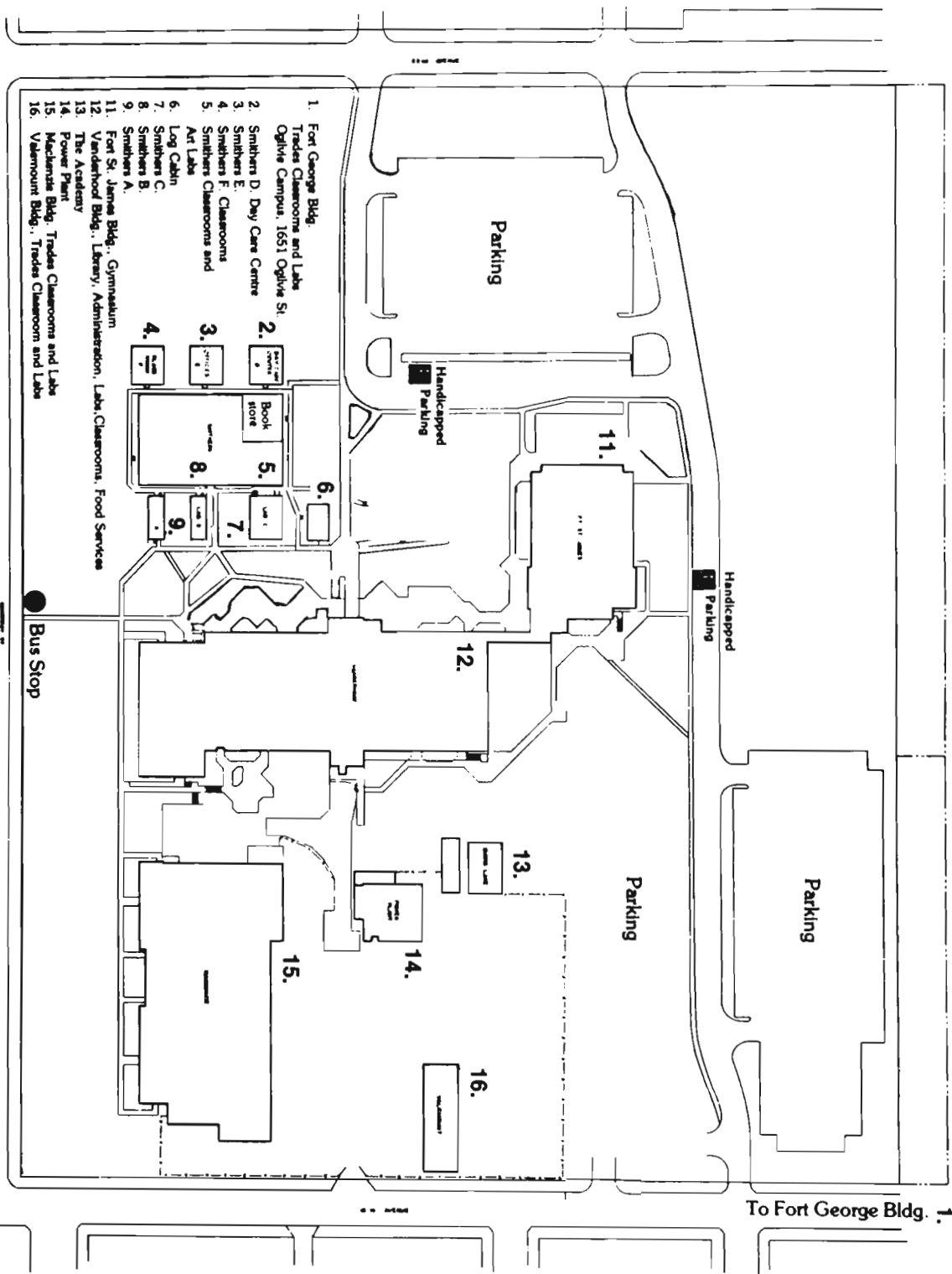
C.N.C.	S.F.U.	U.B.C.	U.VIC
Geol 101	Geol 112(3)	Geol 105(3)	Geol
Geol 102	Geol (3)	Geol 312(1)	Geol
Geol 201	Hist (3)	Hist 125 (3)	Hist 242 (3)
Hist 101	Hist (3)	Hist 135 (3)	Hist 230 (3)
Hist 102	Hist (3)	Hist (1 1/2)	Hist 200 level (1 1/2)
Hist 103	Hist 101 (3)	Hist (1 1/2)	Hist 200 level (1 1/2)
Hist 104	Hist 102 (3)	Hist (1 1/2)	Hist 200 level (1 1/2)
Hist 201	Hist 224 (3)	Ling(1 1/2)	Math 012 (0)
Hist 202	Hist 225 (3)	Math 111 (3) (1 1/2) in Faculty of Science	Math 130 (3) OR
Hist 211	Hist 110(3)	Math 100 (1 1/2)	Math 101 (1 1/2)
Linguistics III		Math 101 (1 1/2)	Math 151 (1 1/2)
Math 100	Math 100 (3)	Math 101 (1 1/2)	Math 100 level (1 1/2)
Math 101	Math 151 (3)	C.Sc. 101 } C.Sc.	C.Sc. 115(1 1/2)
Math 102	Math 152 (3)	C.Sc. 200 } 115 (3)	Math 200 (1 1/2)
Math 103	Math (3)	Math 201 (1 1/2)	Math 201 (1 1/2)
Math 104	Math 101 (3)	Math 220 (1 1/2)	Math 200 level (1 1/2)
Math 109	Math 105 (3)	Math 221 (1 1/2)	Math 110 (1 1/2)
Math 110	Math 103 (3)	Math 315 (1 1/2)	Math 200 level (1 1/2)
Math 201	Math 251 (3)		Mus 100A(1)
Math 202	Math 252 (3)		100B(1) 170(1)
Math 203	Math 242(3)		Mus 110 (3)
Math 204	Math 232 (3)		Mus 115(3)
Math 215	Math 310 (3)		Mus 180(1)
Mus 101			Mus 180(1)
Mus 102 (pending)			Mus 100 level(1)
Mus 103	Mus History (3)		Mus 100 level(1)
Mus 104	Mus History (3)		Phil 100 (3)
Mus 105/106			Phil 202 (3)
Mus 107/108			PE 120 (1/2)
Mus 110			PE 100 level (1/2)
Mus 111 (pending)			PE 115 (1/2)
Mus 112			PE 122 (1/2)
Mus 113 (pending)			PE 121 (1/2)
Phil 101	Phil 120 (3)		PE 117(1/2)
Phil 102	Phil 100 (3)		PE 110(1/2)
Phil 204	Phil 210 (3)		PE 109(1/2)
Phil 205	Phil (3)		PE 119(1/2)
PE 101			PE 105(1/2)
PE 102			PE 100 level(1 1/2) - may be used in lieu of PE 143
PE 103			
PE 104			
PE 105			
PE 106			
PE 107			
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PE 109			
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PE 121			

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• **PRINCE GEORGE CAMPUS**

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• **MACKENZIE OFFICE**

Community Education and Recreation
Mackenzie Sports Complex
Box 2110, Mackenzie, B.C. VOJ 2C0
Telephone: 997-4333

• **BURNS LAKE OFFICE**

Resource Centre, Highway 16
Box 5000, Burns Lake, B.C. VOJ 1E0
Telephone: 692-3175

• **VANDERHOOF OFFICE**

College of New Caledonia Campus
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• **QUESNEL OFFICE**

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• **ROBSON VALLEY OFFICE**

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or

Box 789, Valemount, B.C. VOE 2Z0
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