

(1977-1978)



THE COLLEGE OF NEW CALEDONIA
CALENDAR



PROGRAM INDEX

COLLEGE PROGRAMS

The College offers three types of programs:

- Technical programs
- Vocational programs
- University Transfer programs

The TECHNICAL programs, leading to a COLLEGE DIPLOMA, are:

- Business Administration
- Construction Technology
- Data Processing
- Diploma Nursing
- Forest Resource Technology
- Medical Laboratory Technology (B.C.I.T. transfer program)
- Professional Secretary

The VOCATIONAL programs, leading to a COLLEGE CERTIFICATE, are:

- Automotive Mechanics
- Business Office Training
- Dental Assisting
- Drafting
- Early Childhood Education
- Falling and Bucking
- Heavy Duty Mechanics
- Heavy Equipment Operating
- Power Engineering
- Practical Nursing

- Small Engine Repair
- Vocational Preparation (B.T.S.D.)
- Welding

The UNIVERSITY TRANSFER programs lead to a COLLEGE DIPLOMA and transfer to third year University for University degrees in:

- Arts
- Commerce
- Dental Hygiene
- Dentistry
- Education
- Engineering
- Fine Arts
- Forestry
- Home Economics
- Law
- Medicine
- Nursing
- Pharmacy
- Physical Education
- Rehabilitation Medicine
- Science

In addition 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 College Counsellor prior to enrollment.

NOTE: As the information contained in this calendar is received well in advance of the academic year, it is necessarily subject to revision.

COLLEGE CALENDAR August 1, 1977 to July 31, 1978

Aug. 1	B.C. Day - College closed.	Jan. 2, 1978	College closed.
Aug. 15-19	Registration and interviews for first-year Forest Resource Technology students.	Jan 3	Classes commence Vocational programs and Forest Resource Technology students.
Aug. 17-19	Registration for second-year students, Arts and Science and Technical programs.	Jan. 3-6	Registration for Arts and Science and Technical programs.
Aug. 22-24	Registration for returning students first-year status, Arts and Science and Technical programs.	Jan. 9	Classes commence - Arts and Science and remaining Technical programs.
Aug. 29	Last day of registration and commencement of classes for first-year Forest Resource Technology students.		NOTE: Students wishing to withdraw from classes, or change courses or sections are advised to consult with a C.N.C. Counsellor, and familiarize themselves with C.N.C. policy concerning withdrawal, and course/section change policy. SEE pages and
Aug. 29-Sept. 2	Registration and Orientation week for new students.		
Sept. 5	Labor Day - College closed.	Mar. 24	Good Friday - College closed.
Sept. 6	Classes commence - Arts and Science, Technical and Vocational programs.	Mar. 27	Easter Monday - College closed.
	NOTE: Students wishing to withdraw from classes, or change courses or sections are advised to consult with a C.N.C. Counsellor, and familiarize themselves with C.N.C. policy concerning withdrawal, and course/section change policy. SEE pages and	Apr. 14	Last day of classes - Forest Resource Technology students.
		Apr. 19	Forest Resource Technology (first-year students) two week field trip commences.
			Forest Resource Technology (second-year students) two week field school commences.
		Apr. 28	Last day of classes - Arts and Science and Technical programs.
Oct. 10	Thanksgiving Day - College closed.	May 1	During May, students contemplating enrolling at C.N.C. for the 78/79 Academic Year are advised to contact the Student Services Office to clarify registration procedures and specific course or program prerequisites.
Nov. 11	Remembrance Day - College closed.	May 22	Victoria Day - College closed.
Dec. 5-9	Advance registration for students in Arts and Science and Technical programs.	July 3	Confederation Day - College closed.
Dec. 16	Last day of classes - Arts and Science and Technical programs.		
Dec. 23	Last day of classes - Vocational programs.		
Dec. 24-27	College closed.		

COVER:

The Nechako River Cut Banks as seen from downtown Prince George. Ink drawing by C.N.C. Art Instructor Vernon Trevelyan.

PRINCIPAL'S MESSAGE

The College of New Caledonia opened its doors in September, 1969. In 1971 it melded with the British Columbia Vocational School which had opened in 1962 offering courses in various trades and business occupations. Since that date it has developed into a comprehensive Regional College offering courses and programs in the following areas: Arts & Science, Technical, and Vocational. The Arts & Science Division provides first and second year University Transfer courses, as well as other courses. The Technical-Vocational Division provides programs of up to two years in length. The third major division of the College is that of Community Education Services. This division offers courses, workshops, seminars, and a variety of community related programs throughout the College region. In addition, there is a Student Services Division which is responsible for such areas as registration, counselling, study skills, recreation, financial aid, information services, health services, and student housing.

Students of all ages and backgrounds are welcome at C.N.C., where the emphasis is on quality teaching. Highly qualified faculty members, selected because of their formal and practical education and experience, provide students with individual attention and unique learning opportunities.

The governing body of the College is the College Council, composed of representatives from the College region, as well as representatives from the faculty, students and non-teaching staff. In addition to the College Council, many advisory and articulation committees provide both advice and support to the College community.

In beginning its ninth year, the College will continue to emphasize "open doors", small classes and close instructor-student relationships.

I welcome each student to The College of New Caledonia, with the wish that you have a profitable and enjoyable period of studies with us.

F.J. Speckeen,
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.

It serves primarily the four school districts that comprise the College Region: School Districts 28 (Quesnel), 55 (Burns Lake), 56 (Nechako) and 57 (Prince George).

As a comprehensive, community educational facility, the College offers a varied program to the communities it serves:

A two year academic program of studies for transfer to third year university.

One and two year Technical Programs

B.C.I.T. transfer programs

Pre-apprentice programs

Vocational programs

Community Education Services

General Studies programs.

THE HISTORY OF NEW CALEDONIA

Simon Fraser founded Fort St. James as a trading post for the Northwest Company in 1806. The post was a thriving centre of commerce in the days when buffalo herds still covered the plains, and there was not a city or town on the western half of the continent north of Mexico. It was the seat of administration for the vast area which Fraser named New Caledonia, and as such was the western capital for the area lying between the Rocky Mountains and the Coast Range and extending from about 51°N to 57°N.



HISTORY

In 1963 the Northern Interior Branch of the British Columbia School Trustees Association established a Regional College Committee, which recommended the establishment of a two year Community College at Prince George to serve the North Central Interior.

In 1967, a plebiscite to form a College Region was approved by the electors in School Districts 54, 55, 56, 57, and 58 - School District 58 (McBride) has since amalgamated with School District 57 (Prince George). In 1968 the electorate in School District 28 (Quesnel) voted in favor of joining the College Region. In March of 1976, School District 54 (Smithers) affiliated with Northwest College (Terrace).

The Council of The College of New Caledonia was formed in 1968, and agreed that the College should offer a program of academic and technical courses, and the Collège opened on 15 September, 1969, using the facilities of the Prince George Senior Secondary School.

On 9 July, 1971, the existing College amalgamated with the B.C. Vocational School (Prince George) and The College of New Caledonia, College, Technical and Vocational Institute was created. In September, 1971 the College reopened on the former B.C. Vocational School site as an amalgamated institution offering a variety of University Transfer, Technical, and Vocational programs.

A temporary building that had been located beside the Prince George Senior Secondary School was moved to the present campus in the Fall of 1971 where it became the Quesnel Building. In late 1972 the Smithers Building complex was completed and the library which to that date had been located on the mezzanine floor of the Prince George Senior Secondary was relocated in this new building.

Early in 1974 The College of New Caledonia received notification that the province was prepared to spend in excess of ten million dollars to construct and equip additional facilities on the campus. As a result of those funds the Fort St. James Gymnasium and the Mackenzie shop addition have already been completed and presently under construction are new Food Services facilities, a permanent library, expanded laboratory facilities, and permanent classrooms. It is expected that these facilities will be opened during the 1977/78 academic year.

The new buildings will provide much needed space for existing programs, and will allow for the development of new programs.

COLLEGE GOVERNMENT

The College Council is the governing body of The College of New Caledonia. It consists of members appointed by the Lieutenant-Governor in Council, members appointed by the participating School Boards, and representatives appointed by the Student Union, Staff Association, and Faculty Association.

The College Principal is solely responsible for the operation of the College. The Principal receives information and recommendations from a variety of College Communities which include members of the student body, faculty, staff, and administration. Technical and Vocational programs each have an advisory committee of interested and knowledgeable members of the Community and College personnel. The Arts and Science Faculty work closely with the Universities and other post-secondary institutions in British Columbia to insure the transferability of courses.

COLLEGE COUNCIL - FEBRUARY 1977

SCHOOL DISTRICT APPOINTEES:

Mrs. Marjorie Millar, School District #55 (Burns Lake)

Mr. Mark Lacerte, School District #56 (Nechako)

Mrs. Ruth Rushant, School District #57 (Prince George)

Mrs. Marion Nielsen, School District #28 (Quesnel)

GOVERNMENT APPOINTEES:

Mrs. Jean French, Vanderhoof

Mrs. Mary Chen, Prince George

Mr. James Pritchard, Prince George

Mr. Donald Flynn, Prince George

Mr. Glenn Barr, Quesnel



COMMUNITY EDUCATION SERVICES

Community Education Services is a flexible arm of the College designed to meet the educational needs of communities within the College Region. Course offerings vary from General Interest (non-credit), Technical (credit), Vocational (credit), and Academic (College credit/University Transfer). Special workshops, seminars, and short courses can also be arranged if interest and numbers warrant. Enquiries or suggestions for courses are invited from prospective students and instructors, organized groups, and all interested members of the public. Enquiries and suggestions should be directed to:

Dean, Community Education Services,
The College of New Caledonia,
2001 Central Street,
Prince George, B.C., 562-2131
V2N 1P8

or
Area Director,
C.N.C. Community Education Ser-
vices (Nechako),
Box 129,
Vanderhoof, B.C., 567-2284
V0J 3A0.

or
Area Director,
C.N.C. Community Education Ser-
vices (Burns Lake),
Box 5000,
Burns Lake, B.C., 692-3175
V0J 1E0.

Class Numbers: Minimum number of students per class
is normally ten. Less than ten students
may mean class cancellation.

COMMUNITY EDUCATION SERVICES' students enrolling in sequential courses (e.g. English 201-3 and English 202-3) are required to pay tuition fees for both semesters at the time of initial registration. Refunds where applicable will be based on the total fee paid.



STUDENT SERVICES

The Student Services department is responsible for the following functions:

Admissions	Registration
Counselling	Employment
Housing	News Caledonia
Health Services	Study Skills
Financial Assistance	Athletics
Calendar	Timetable
Public Relations	Inter-institutional liaison

The main Student Services Office is located in the Vanderhoof Building, level two.

Office Hours:

Monday through Thursday	8:30 a.m. to 7:00 p.m.
Friday	8:30 a.m. to 4:30 p.m.

STUDY SKILLS

The Study Skills Centre is located on level two of the Vanderhoof Building. Professional help is available to assist the student through individual programs. Students encountering difficulties with reading, studying, taking notes, or writing papers are invited to drop in. Throughout the year the Study Skills Centre offers courses which cover the following topics:

Study Management

- Scheduling
- Personal aspects
- Task orientation
- Study environment

Major Course Related Skills

- Study Reading
- Taking notes from books
- Taking notes from lectures
- Writing classroom tests

Auxiliary Course Skills

- Library research
- Vocabulary Development and Spelling
- Writing Skills, Grammar, and Mechanics

Attitudes, Interests, and Habits

- Reading habits and interest
- Concentration and Memory
- School Attitudes and motivation

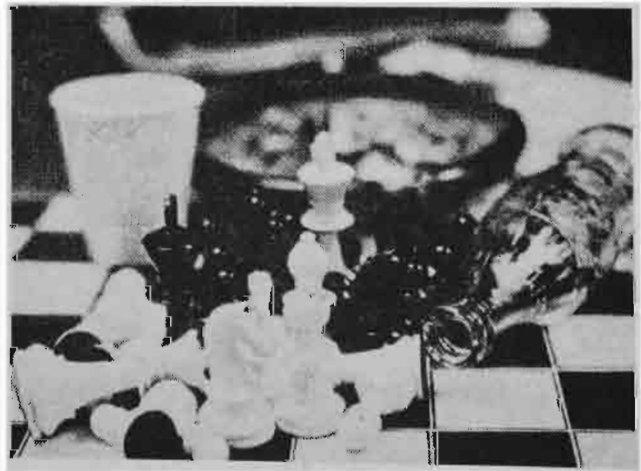
These courses are available to the community on a standard fee schedule and will be offered to C.N.C. students at no extra cost.

The schedule of these Study Skills programs will be published well in advance in the News Caledonia.

Study Skills Centre Hours:

Monday to Friday	8:30 a.m. to 4:30 p.m.
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NOTE: Specific Study Skills course descriptions are found on page 30.



RECREATION

During 1976-77, C.N.C. opened its new gymnasium containing a main gym area with 2 basketball, 3 volleyball, and 8 badminton courts as well as a climbing wall for mountain climbing training techniques. The gym complex also contains 2 racquetball-handball courts and an ancillary gym which is used for weight-training, archery and table-tennis.

There are many recreational activities available for the student. Open recreational time is available for:

- Badminton
- Floor Hockey
- Basketball
- Volleyball
- Table-Tennis
- Handball or Racquetball
- Gymnastics
- Weight and Circuit Training.

Additional equipment and games that are available are:

- Cross-Country Skis (rental basis)
- Snowshoes (rental basis)
- Chess and Checkers
- Cards.

Structured intra-mural activities include:

- Floor Hockey
- Racquetball
- Volleyball
- Table-Tennis.

Students interested in assisting with any recreational activities (volleyball nights, racquetball tournaments) or interested in starting any other recreational activity are invited to contact the Athletic Recreation Coordinator.

MISCELLANEOUS

Day use locks are available free of charge, and gym users are asked to lock all valuables. A towel service is also available at a cost of 25¢ per towel. C.N.C. jackets, T-shirts, Rugby sweaters, and other sports items are sold at the Equipment Check-out Center.

Equipment Check-out hours:

Monday to Thursday	12:30 p.m. to 10:30 p.m.
Friday	12:30 p.m. to 8:00 p.m.
Saturday and Sunday	12:00 p.m. to 5:00 p.m.

ATHLETICS

C.N.C. is a member of the Totem Conference Athletic Association composed of participating Community Colleges throughout B.C. C.N.C. participates in men's and women's basketball, volleyball, and curling. Interested players should contact the Athletic Recreation Coordinator for further information.

C.N.C. RESIDENCE:

During the summer of 1974, College Council ratified a decision to lease one of the two residence blocks belonging to School District 57. This residence is located approximately one mile and a half off campus at the corner of Alward Street and Sixth Avenue.

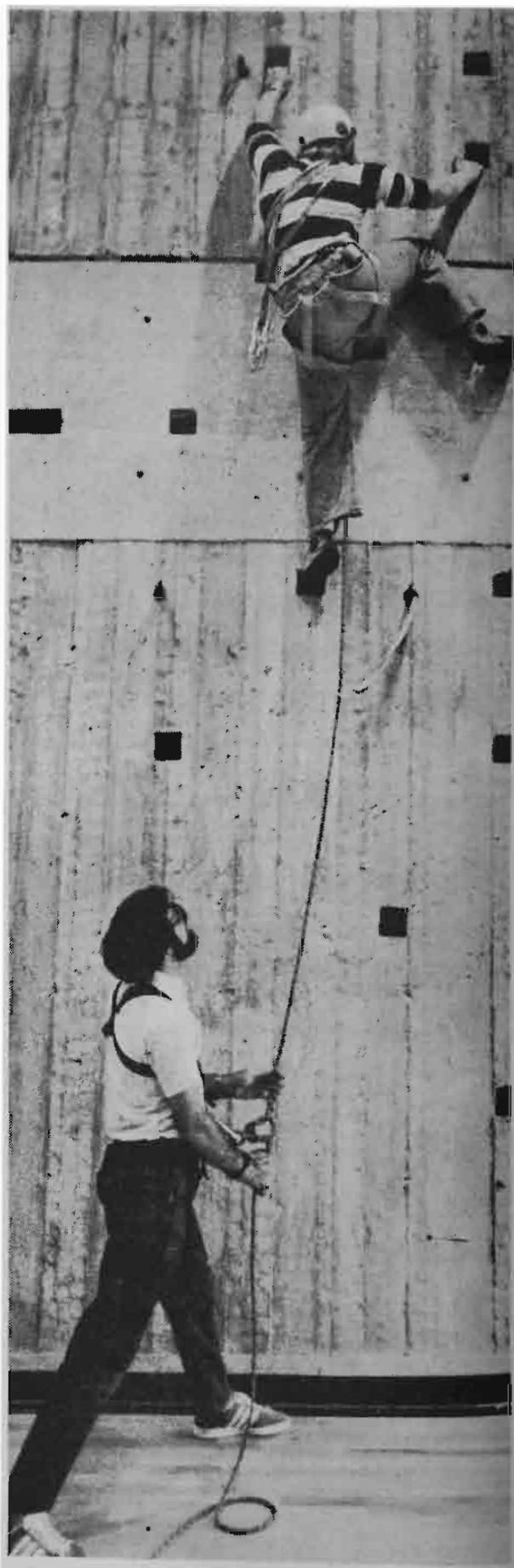
Due to the availability of private and public accommodation close to the C.N.C. campus the C.N.C. residence is normally reserved for students in short term vocational and apprenticeship programs.

The School District 57 block, adjacent to the College residence, has a kitchen and dining area and full meals are provided to College students on a daily basis. Limited kitchen facilities are available to students on the weekend.

Apply to the Student Services Office for space in the residence.

HOUSING LISTS:

Prior to the Fall and Spring semesters, the Student Services Office compiles a list of private residences which are available for student accommodation. This list is made available to all students through the Student Services Office.



COUNSELLING:

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

Counselling Centre Hours:

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

EMPLOYMENT:

Part-Time: The Student Services Office maintains an up-to-date list of part-time jobs available to students. Jobs are posted on the bulletin board in the Student Services Office (Vanderhoof Building).

Full-Time: Many companies list employment opportunities for C.N.C. graduates, and several visit C.N.C. throughout the year to interview prospective employees. Details are available at the Student Services Office.

HEALTH SERVICES:

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

- Medical coverage (more information on this is available at Student Services).
- A recent Chest X-ray and hemoglobin level.

A complete medical record if you suffer from any chronic condition (Diabetes, thyroid disorder, etc.)

Students wishing an appointment should contact the Student Services Office, Vanderhoof Building.

INFORMATION:

For information on any aspect of the College check with the Student Services Office. If they don't have the answer they can direct you to someone who does.

The main notice board outside the Student Services Office has been reserved for notices of meetings only. Check this bulletin board for information on club meeting times, etc.

NEWS CALEDONIA

News Caledonia is the weekly C.N.C. bulletin and serves as a newsletter for the total College community. Students, faculty and staff are invited to use News Caledonia for notices of meetings, coming events, general news, and any other items of interest they wish to have published. News Caledonia is normally published every Tuesday throughout the school year and the deadline for submission is 3:00 p.m. Monday at the Student Services Office.

BOOKSTORE:

A bookstore is located on level one of the Vanderhoof 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	8:00 a.m. to 12:00 Noon 1:00 p.m. to 5:00 p.m. 6:00 p.m. to 9:00 p.m.
Friday	8:00 a.m. to 12:00 Noon 1:00 p.m. to 5:00 p.m.

CAFETERIA.

A small coffee shop is operated by C.N.C. and is located on level one of the Vanderhoof Building. Light lunches and snacks are available.

Cafeteria hours:

Monday through Thursday	8:00 a.m. to 9:00 p.m.
Friday	8:00 a.m. to 3:00 p.m.

During the 1977-78 school year the permanent Food Services facility will open in the Vanderhoof Building.

LIBRARY:

During the 1977-78 year the library will be permanently located on level one of the Vanderhoof Building. The library contains an expanding collection of resources including Monographs, Books, Federal and Provincial Government Documents, Newspapers, and media materials. Students may borrow record players, cassette recorders, and tape recorders for use in the library. Special arrangements may be made for the use of audio-visual production equipment including a photographic darkroom.

POST OFFICE:

A stamp machine and a letter box are available at the Student Services Office. Daily mail pick-up is at 2:30 p.m.

STUDENT UNION:

The C.N.C. Student Union represents all students enrolled at C.N.C. and has an executive elected from the total student body.

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

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

The Student Union executive is elected in the spring of the year and commence office in September.



FINANCIAL ASSISTANCE

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

BRITISH COLUMBIA STUDENT FINANCIAL ASSISTANCE PROGRAM

CANADA STUDENT LOAN - PROVINCIAL GRANT

Students requiring financial assistance should obtain and submit the British Columbia Student Financial Assistance application to the Financial Aid Officer at the post-secondary institution they plan to attend, if studying in British Columbia. If funds are required by the beginning of the fall term, applications should be submitted by July 2nd.

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

1. Program

A comprehensive program of assistance for post-secondary students has been introduced by the Federal Government in conjunction with the B.C. Provincial Government to ensure that students are not denied the opportunity to reach their educational objectives due to financial barriers.

The purpose of this program is to assist students whose resources are insufficient to provide for the cost of full-time studies at the post-secondary level of education. Funds under the program are therefore granted only where the financial resources available to students from parents, summer work, or other sources are insufficient to meet their estimated educational costs.

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

2. Eligibility

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

3. Canada Student Loan

Students should note the 'Summary of Obligations' on the reverse side of the Loan Certificate prior to negotiating the Loan.

Interest on your loan is paid by the Federal Government as long as you are registered as a full-time student and for six months thereafter. You should discuss the interest rates with your lending institution (bank, credit union, etc.) since rates vary from year to year.

Students who have received Canada Student Loans, but who do not negotiate one for their immediate period of study, should submit a Schedule II to their lending institution in order to retain interest free status. A copy of this form may be obtained from your lending institution.

SPECIAL ASSISTANCE PROGRAM

This program is to provide financial assistance to students who do not qualify under the regular British Columbia Student Financial Assistance Program. This program is not intended to provide funds to cover normal maintenance but rather to cover expenses which are of a direct result of the applicant taking a course of studies, such as tuition and books. The maximum assistance available will be \$250 per educational year (\$125 per semester) and will be in the form of a grant.

Students enrolled in the following courses are eligible to apply:

- A) less than 60% of a full-time program of credit courses leading to a certificate, diploma or first degree;
- B) Technical/Vocational courses at public post-secondary institutions of less than 26 weeks in duration;
- C) B.T.S.D.

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

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 a 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.

FINANCIAL ASSISTANCE FOR STUDENTS IN HEALTH CARE PROGRAMS

The Department of Health has established a bursary program to assist Canadian students and landed immigrants enrolled in health care programs such as Medical Laboratory and Practical Nursing. The bursary totals \$150 per month for every month the student is in training. Students are not eligible for the bursary, however, if they are already sponsored by Canada Manpower or if they are being paid as an employee of a hospital during a practicum spent in that hospital.

In order to receive this bursary, students at CNC must obtain the Student Subsidy Verification form at the Student Services Office at the end of each month, have it signed by their instructor, and return it to Student Services.

TRAINING ALLOWANCES FOR THE PHYSICALLY, PSYCHOLOGICALLY, OR SOCIALLY HANDICAPPED

Financial assistance is available through the Division for Aid to Handicapped in the Department 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.

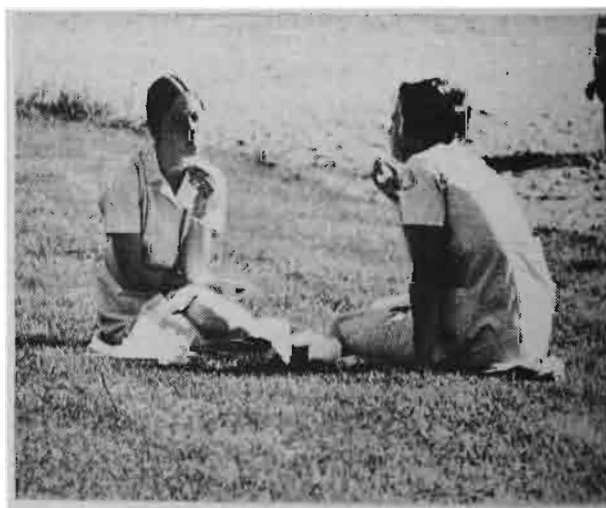
Assistance is not limited to people in vocational training only; academic and technological course work is also endorsed when there is firm evidence that this level of training is required to assist the individual to become employable.

It should be noted that such assistance must be part of a rehabilitation plan approved by the Division and may not be requested as a bursary or scholarship. For further information regarding eligibility, please address enquiries to:

Director,
Division of Aid to Handicapped
Box 4020
Postal Station "D"
Vancouver, B.C.

CANADA MANPOWER

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



C.N.C. SUBSIDY

The College Council has established an accommodation subsidy for in-region students whose permanent residence is more than 20 miles from the College and who are enrolled in 9 or more credit hours of College work, or a specified full-time program of at least 16 weeks duration. Students receiving assistance from a government agency such as Canada Manpower, Department of Labour, or Department of Indian Affairs are not eligible for the C.N.C. Subsidy.

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

Students enrolled in 9 credit hours - \$50 per month.

Students enrolled in full-time programs - \$75 per month

To receive the C.N.C. Subsidy, a student must:

- a) Apply to the Financial Aid Officer for the C.N.C. Subsidy
- b) Prove his permanent residence is in-region and more than 20 miles from the College if requested to do so
- c) Be formally enrolled in the College
- d) Regularly attend classes
- e) Obtain the Student Subsidy Verification form from the Student Services Office at the end of each month, have it signed by the instructor(s) and return it to Student Services in order to receive the subsidy cheque.

ROTARY EMERGENCY LOAN FUND

The Prince George Rotary Club has donated a sum of money from which students may be granted emergency short term loans of up to \$50.00.

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.

VOCATIONAL PROGRAMS

ADMISSION PROCEDURES:

Apply to the Student Services Office for an application form. Complete the application form in detail and return it to the College, together with the required documents by June 1 for programs commencing in September. Applications for programs starting at other times should be received at least two months prior to the first day of classes.

Successful applicants will be notified by mail of their admission to the College. Detailed registration information including the date and time for registration will be included with the notice of admission.

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.

To qualify as an in-region resident, students 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 who satisfy the residence requirements for any other B.C. College region are classified as other region students.

Students not able to qualify as in-region or other region students as defined above are classified as out-of-region students and are required to pay higher tuition fees.

The responsibility for registering as an in-region, other 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:

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.

Students attending C.N.C. must be Canadian citizens or landed immigrants.

VOCATIONAL FEES:

Fees: All vocational students must pay a \$1 registration fee at time of registration. Fees must be paid in advance.

Tuition Fees:

Pre-employment courses	\$15.00 per month
Pre-apprenticeship courses	NIL - Tuition is free and a subsistence allowance is paid to students while they attend school. In addition a transportation allowance of one return trip is available for out-of-town students.

College of New Caledonia Student Union Fees: \$2.50 per month to a maximum of \$28.00 per year.

Power Engineering Upgrade:

	First Class	Second Class	Third Class	Fourth Class
Part A	\$45.00	\$30.00		
Part B	\$45.00	\$30.00		
Full Course	\$90.00	\$60.00	\$40.00	\$25.00

Boiler Operators: Class A and Class B are \$15.00 each.

Welding Upgrade:

Test materials and one day training	\$21.00
Test fee	3.00
Additional training:	per day 3.00
	per week 12.00
	per month 40.00

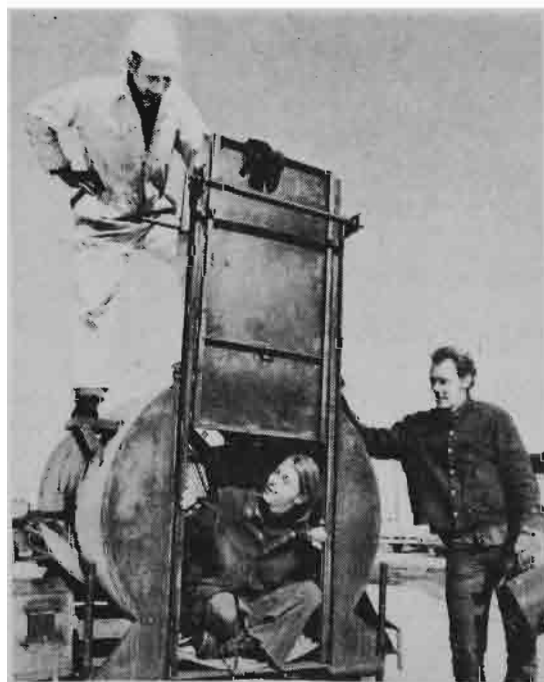
Textbook Rental (where applicable)

Tool deposit (where applicable)	10.00
Locker Rental	2.00

Payment of Fees: Fees are due and payable at the time of registration. Students unable to pay their first month's fee at the time of registration may be required to forfeit their space in the class.

SPONSORED STUDENTS:

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



ACADEMIC INFORMATION:**ATTENDANCE:**

Attendance each day is compulsory. Students who fail to attend without cause may be required to withdraw.

COLLEGE CERTIFICATE:

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

EVALUATION:

To ensure maximum involvement of the student in the learning process, C.N.C. follows a policy of continuous evaluation. Formal reports are prepared on students at least twice during their program, and at the completion of the program.

WITHDRAWAL:

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

To withdraw from a course students must complete the withdrawal form available at Student Services.

SUSPENSION:

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

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

REGISTRATION:

Students must register on the date and at the time specified on their notice of admission. Failure to confirm intent to register at the specified time may result in another applicant being offered admission to the program.

NOTE: Canada Manpower purchases spaces in some vocational programs. Before applying for admission as a fee paying student check with your local Canada Manpower Office to determine your eligibility for sponsorship by Canada Manpower.

RECOMMENDED SECONDARY SCHOOL COURSES:

Automotive Mechanical Repair	Grade 12 graduation preferred. Grade 10 minimum, Industrial courses preferred.
Business Office Training	Grade 10 minimum, Grade 12 preferred.
Dental Assistant	Grade 12. Biology 11, Chemistry 11 required.
Drafting	Grade 12. Drafting courses recommended.
Early Childhood Education	Grade 12 required or mature student status. Child Care 12 preferred.
Heavy Duty Mechanics	Grade 12 preferred with Industrial courses. Grade 12 minimum.
Heavy Equipment Operating	Grade 10 minimum.
Power Engineering	Grade 12 graduation preferred. At least two of general mathematics, physics, drafting, industrial science, or mechanics 11 highly recommended.
Practical Nursing	Grade 12 with Biology 11 required.
Small Engine Repair	Grade 12 with Industrial courses preferred. Grade 10 minimum.
Welding	Grade 12 with Industrial courses. Grade 10 minimum.

AUTOMOTIVE MECHANICAL REPAIR

A Pre-Apprentice course in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Department of Labour.

This course is intended to prepare young people for employment as apprentices in the Automotive Mechanical Repair Trade.

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 dealership.

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

COURSE CONTENT:

General shop practice
Automotive fundamentals
Engines - air and liquid cooled
Basic test equipment
Electrical systems
Running gear, clutches
Transmissions, anti-spin and conventional rear axles
Steering systems and braking systems
Emission control systems
Safety education

STARTING DATES:

August
January

LENGTH OF COURSE:

5½ months
College credit;
22 semester hours

REQUIREMENTS FOR ADMISSION:

Education: Grade 12 preferred
Grade 10 minimum or a suitable level to meet the requirements of this program.

General: Good health
Non-allergic to solvents and lubricants
Mechanical aptitude
16 years of age and over



BASIC TRAINING FOR SKILL DEVELOPMENT

This program has been designed to upgrade individuals academically in as short a period of time as possible to enable them to qualify for employment or for enrollment in specific College programs.

There are three main areas of study:

Communications, Applied Mathematics, Basic Science

The program offers training at three levels:

- up to grade 8 equivalency
- up to grade 10 equivalency
- up to grade 12 equivalency.

REQUIREMENTS FOR ADMISSION:

Education: Applicants must have a functional ability in reading and writing.

General: Applicants must have been away from the public school system for a period of at least one year. They must be capable of concentrated, independent study.

COMMENCEMENT DATES:

Monthly as space permits.

LENGTH OF COURSE:

Varies to suit individual needs.

COLLEGE CREDIT:

This program carries no credit toward a College diploma or certificate.

COLLEGE OF NEW CALEDONIA

PREPARATORY PROGRAM

This is an extension of the B.T.S.D. program and is designed to upgrade students who are lacking certain prerequisites for C.N.C. Vocational, Technical, or University Transfer programs.

Courses in the Preparatory Program may be taken on a full or part-time basis. Advancement in the courses is dependent on the ability of the individual.

Preparatory courses do not carry College credit; however, they do satisfy secondary school prerequisites for College credit courses and programs.

C.N.C. PREPARATORY COURSES

English	Mathematics	Sciences
ENGL 020	MATH 020	BIO 030
ENGL 030	MATH 030	CHEM 030
ENGL 040	MATH 040	GEOL 030
ENGL 055		PHYS 030
		BIO 040
		CHEM 040
		PHYS 040
		SCI 041

N.B.

Courses numbered 020 - 029 are up to Grade 8 equivalency.

Courses numbered 030 - 039 are up to Grade 10 equivalency.

Courses numbered 040 - 099 are up to Grade 12 equivalency.

Pages 26 to 43 contain complete course descriptions of the above C.N.C. Preparatory courses. The Calendar indicates all C.N.C. programs and courses requiring these or secondary school prerequisites.

BUSINESS OFFICE TRAINING

A variety of options are available to students which lead to certificates in:

- Clerical Skills
- Stenography
- Secretarial Skills
- Junior Bookkeeping
- Intermediate Bookkeeping
- Accounting.

Regardless of the option selected, all students enrolling in a commercial program for the first time must complete an introductory program which normally takes two months of full-time study, prior to concentrating on a specific area of training and completing the requirements for one of the above certificates.

Minimum standards and course requirements for completion of a C.N.C. certificate are indicated in the following chart.

ADMISSION REQUIREMENTS:

Grade 10 required. Students with higher standing will be given priority.

LENGTH OF PROGRAMS:

Variable, up to 10 months.

COMMENCEMENT DATES:

Every second month, commencing in April.

COLLEGE CREDIT:

18 semester hours of credit are awarded for each 4 months of study; other time periods of study are prorated for credit purposes.

BUSINESS OFFICE TRAINING COURSES

	Clerical	Stenographic	Secretarial	Junior Bookkeeping	Intermediate Bookkeeping	Accounting
Typing	40 wpm	50 wpm	55 wpm	30 wpm	30 wpm	30 wpm
Dictaphone	Op	X	X	Op	Op	
Shorthand		80 wpm	100 wpm	Op	Op	
English	X	X	X	X	X	X
Filing	X	X	X	X	X	X
Office Procedures	X	X	X	X	X	X
Business Arithmetic	X	X	X	X	X	X
Business Machines	X	X	X	X	X	X
Accounting Machines				Op	X	X
Posting Machines				Op	X	X
Basic Bookkeeping	X	X	X	X	X	X
Junior Bookkeeping				X	X	X
Intermediate Bookkeeping					X	X
Accounting						X
Key Punch				Op	Op	Op

(Op - Optional)

DENTAL ASSISTING

The dental assistant program consists of co-ordinated lectures, clinical and dental office experience. The area of studies includes instruction in dental anatomy, physiology, pharmacology, and bacteriology. Emphasis is placed on operative, laboratory and radiographic principles and techniques. A First Aid Program is included.

B.C. Certification may be acquired by writing the College of Dental Surgeons' of B.C. certification examination.

Young people with initiative and a sense of responsibility will find a satisfying career as a dental assistant.

Graduates may find employment in dental practices, public health services, dental clinics and related services.

Successful applicants must have a medical examination prior to commencement of the program.

Requirements for Admission:

Education: Grade 12; Biology 11 and Chemistry 11 required

General: Applicants are reminded that due to the high academic requirements and large number of applicants to the Dental Assisting program, students with better than average high school grades will receive admission priority.

Commencement Dates: September. Application deadline June 1.

Length of Course: 10 months

College Credit: 45 semester hours

Expenses: Testbooks, safety glasses, uniforms, shoes and supplies approx. \$200.00

First Aid Course - \$20.00



DRAFTING

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

The students are taught basic drafting techniques, applied mathematics and technology, mechanical drafting, and architectural and structural 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.

REQUIREMENTS FOR ADMISSION:

Education: Grade 12 graduation. Preference is given to those who have completed Drafting 11 and 12 in their Secondary School program.

General: Applicants must have good eyesight and hand-eye coordination, an analytical mind, creative ability, and patience to give undivided attention to detail.

COMMENCEMENT DATE:

August

LENGTH OF COURSE:

10 months

COLLEGE CREDIT:

45 semester hours

EARLY CHILDHOOD EDUCATION

Early Childhood Education is a 9 month program with sequential second year courses to prepare students for employment in Day Care Centres, Nursery Schools, private Kindergartens, and other facilities which provide for the needs of young children. This program meets the requirements of the Community Care Facilities Board for Certification as a pre-school Supervisor.

The goals of the program are to develop an understanding of the following areas:

A knowledge of human growth and development and its implications for Early Childhood Education.

A study of the major theories and practices of Early Childhood Education.

An understanding of the relationship between the home, the pre-school centre and the community.

A knowledge of curriculum content, methods, materials, and resources for pre-school centres.

An understanding of the administration and organization of pre-school centres.

Development of personal skills for effective and sensitive relationships with pre-school children and their families.

Theory and practice are closely related throughout the program. Students will observe and participate at local pre-school centres.

RECOMMENDED SECONDARY SCHOOL COURSES:

Child Care 12

GENERAL REQUIREMENTS:

Applicants should have a stable, cheerful personality as well as the ability to establish a supportive relationship with children and adults.

E.C.E. 2nd Year

To obtain the C.N.C. Diploma the following second year courses must be completed.

Infant Development	ECE 252-3
Creative Experience for Young Children	ECE 261-2
Sociology	SOC 101-3
Play as a Way of Learning	ECE 263-3
Practicum III	ECE 291-6
Exceptional Children	ECE 253-2
Supervision	ECE 254-2
Family in Society	ECE 251-3
Seminar in ECE	ECE 282-3
Practicum	ECE 292-6

Elective (minimum 3 semester hours of credit)

FALLING AND BUCKING

This four-week program is designed to provide entry level training for persons seeking employment in the Central Interior Logging industry.

Instruction will be given at a logging training site and will include woods safety related to felling and landing work, power saw operation and maintenance, and timber quality control.

The W.C.B. Survival First Aid course is available for a minimal additional fee and students are highly recommended to take this course.

REQUIREMENTS FOR ADMISSION:

Education: No specific requirements excepting that students must be literate in English.

General: Applicants must be 17 years of age and physically capable of rigorous outdoor work. It is expected that applicants will have a sincere interest in the logging industry.

LENGTH OF COURSE:

Four weeks.

DRESS:

W.C.B. safety standards are adhered to and students must have safety toed caulk boots, a hard hat with ear protectors, safety pants for power saw protection and work gloves.

COMMENCEMENT:

Classes begin every week.



HEAVY DUTY MECHANICS

A Pre-Apprentice course in a Designated Trade sponsored by The Apprenticeship and Industrial Training Branch, Department of Labour.

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

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

COURSE CONTENT:

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

COMMENCEMENT DATES:

September
April

LENGTH OF COURSE:

6 months

COLLEGE CREDIT:

22 semester hours

REQUIREMENTS FOR ADMISSION:

Education: Grade 12 preferred

Grade 10 minimum.

General: Good health

Non allergic to solvents and lubricants

Mechanical aptitude

16 years of age and over.

HEAVY EQUIPMENT OPERATOR

This training program has two options:

--Training for employment in the road construction industry

--Training for employment in the logging and woods industry.

The initial training period will be devoted to operating safety, machine servicing and maintenance, as well as basic equipment operating techniques.

Students will receive instruction on crawler tractors, front end wheel loaders, backhoes, graders, and dump trucks.

Courses for Class II drivers licence, Air Endorsement, and W.C.B. Survival First Aid will be offered at a minimal additional charge to Heavy Equipment Operating students.

During the final phase of the Heavy Equipment Operating program students will elect to take the Construction Equipment Option which includes additional instruction on road construction equipment using graders, and pull and self-propelled scrapers.

OR

the Logging Equipment Option which includes skidder and rubber-tired log loader operating and maintenance, woods safety, identification and sorting of tree species, quality control of woods, and decking.

REQUIREMENTS FOR ADMISSION:

Education: This course requires no special educational standing as a prerequisite. However, it would be to the applicant's advantage both on course and in securing employment to have completed Grade X.

General: Applicants must be a minimum of 17 years of age, physically suited to the work situation and able to adapt to rugged working conditions. Previous industrial experience, and a valid driver's licence preferred.

LENGTH OF COURSE: 17 weeks

COLLEGE CREDIT: 18 semester hours

DRESS: W.C.B. safety standards are adhered to and students must have safety footwear and clothing suitable for the work involved and weather conditions at the time of training. Coveralls and safety hat with ear protectors are available on a loan basis. Students are further required to pay a \$10.00 tool deposit at the time of registration.

COMMENCEMENT: Classes begin every month.

POWER ENGINEERING

A 10 month pre-employment 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.

COURSE CONTENT:

- Power Engineering (Certificate program)
- Mathematics and Applied Science
- Instrumentation
- Workshop
- Sketching and blueprint reading
- Steamplant training
- Boiler operation
- Electricity
- Report writing

REQUIREMENTS FOR ADMISSION:

Education: At least two of General Mathematics, Physics, Drafting, Industrial Science, or Mechanics 11 preferred.

General: Good command of communicative English, written and oral; good health, eyesight and hearing; good mechanical aptitude.

COMMENCEMENT DATE:

September

LENGTH OF COURSE:

10 months

COLLEGE CREDIT:

45 semester hours.

POWER ENGINEERING UPGRADE

SEPTEMBER TO JUNE:

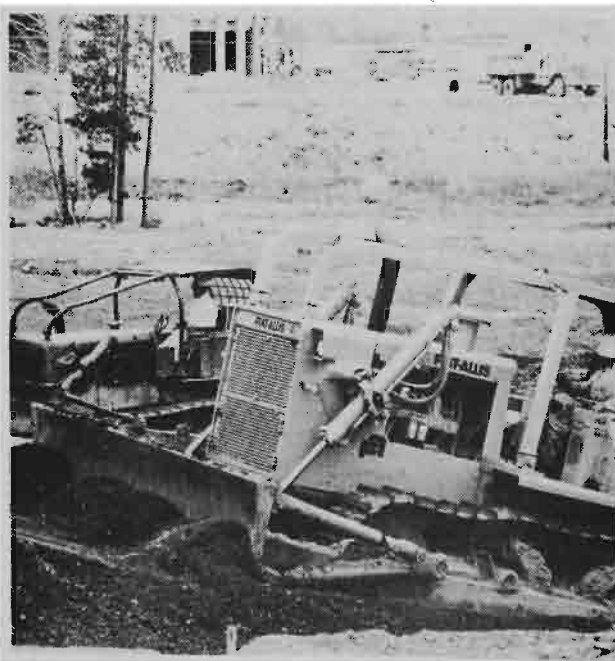
Throughout the year, C.N.C. offers courses that enable the Power Engineer to upgrade to the 4th, 3rd, 2nd, and 1st class examination level.

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.

SPONSORSHIP:

The pre-employment Power Engineering program and the Upgrade classes may be Canada Manpower sponsored. Applicants are advised to check with a Canada Manpower counsellor for sponsorship qualifications.



PRACTICAL NURSING

The P.N. program prepares persons for a career in practical nursing. The practical nurse assists other members of the health team in promoting health and in providing health care.

The P.N. program is ten months in length. Nursing theory and practice are integrated throughout this program. Students attend classes at the College for three months, this is followed by seven months clinical experience and instruction at the Prince George Regional Hospital.

REQUIREMENTS FOR ADMISSION:

Education: Grade 12. Biology 11 required. Preference for admission will be given to applicants with above average academic standing.

General: Applicants must be at least 17 years of age at the time they commence the program, possess a sincere desire to nurse, and have the personal qualities suited to the work of the practical nurse.

Successful applicants must submit their medical examination report, have the required immunization completed, and have all necessary dental work completed prior to commencing the Practical Nursing program.

Qualifying students in regular attendance in this program receive the British Columbia Hospital Service Subsidy of \$150.00 per month.

COMMENCEMENT DATES:

September
January
April

LENGTH OF COURSE:

10 months

COLLEGE CREDIT:

45 semester hours

DRESS AND RELATED EXPENSES:

White nursing shoes, sweep second hand watch, scissors, textbooks and supplies: \$125.00 approx.

SMALL ENGINE REPAIR

This program teaches the mechanical knowledge required, and the techniques employed, to repair small air and liquid cooled engines which are used to power boats, lawn mowers, chainsaws, motorcycles, and snowmobiles.

Instruction is given in all mechanical aspects of 2 and 4-cycle engines, trouble-shooting techniques, and repair methods. Skill is developed through practical training. A graduate of this program will have gained sufficient knowledge and mechanical training to overhaul and repair small engines, with emphasis on safe working methods and accident prevention. A portion of the course is devoted to business management, bookkeeping and customer relations.

Employment opportunities may be found with dealers of out-board motors, motorcycle shops, lawn mower maintenance shops, and logging companies who employ power saw mechanics on location.

REQUIREMENTS FOR ADMISSION:

Education: Grade 12 graduation with Industrial and Mechanical courses preferred. Grade 10 minimum.

COMMENCEMENT DATES:

September
January

LENGTH OF COURSE:

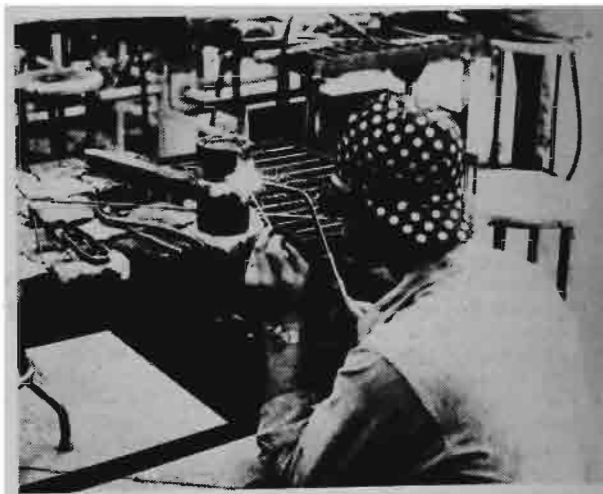
5 months

COLLEGE CREDIT:

19 semester hours

WELDING

Welding is an industrial art in a highly competitive field. It requires constant physical co-ordination of arms, hands, eye and brain and the welder develops manipulative skills through manual training. Basic metallurgy, heat treatment, blueprint reading, plate and pipe layout, applied mathematics and principles of safety education are taught and various welding procedures are applied to different types of metal. A graduate of this program will have gained sufficient practical experience and related theory to take a welding test under the A.S.M.E. sec. IX, C.S.A.-W-47, or A.W.S. Codes. These are recognized standards of qualification acceptable to industry.



The welding trade is universal in its application. Construction welding appeals to certain persons due to the variety of working locations, while other welders prefer to remain in the industrial centres, where employment opportunities occur in practically every mechanical or metal trade.

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

REQUIREMENTS FOR ADMISSION:

Education: Grade 12 graduation with Industrial and Mechanical courses preferred. Grade 10 minimum.

General: Applicants must be free from defective vision, hearing, respiratory ailments, and be physically suited to the trade.

COMMENCEMENT DATE:

September

LENGTH OF COURSE:

10 months

COLLEGE CREDIT:

45 semester hours

DRESS:

The student must supply gloves (approx. \$8.00).

WELDING UPGRADING

The primary purpose of this program is to prepare students for certification in the following categories:

A.S.M.E. sec. IX, C.S.A.-W-47, or A.W.S. Codes.

Special courses may also be arranged in the following areas:

Downhill Pipeline

Tungsten Inert Gas (T.I.G.) Semi-automatic Gas Metal Arc.

REQUIREMENTS FOR ADMISSION:

Welding upgrading training is confined to persons presently or recently employed in welding, who wish to improve their techniques or become proficient in special processes, or who are approved for the following certification: A.S.M.E. Sec. IX, C.S.A.-W-47, or A.W.S. Codes.

Persons requiring Provincial Government Certification are required to apply to the Welding Inspector, Department of Public Works, for assessment of their credentials. The Inspector may stipulate a certain length of time for instruction before taking the test. The testing appointment will be arranged by the Chief Welding Instructor at the College.

GENERAL INFORMATION:

Upgrading runs continuously and may be taken as space becomes available. Length of training time will be variable for each trainee. Maximum training period, 5 months.

DRESS:

Students must supply their own jacket, helmet, goggles and gloves.

APPRENTICESHIP TRAINING AUTOMOTIVE, ELECTRICAL, AND MILLWRIGHT APPRENTICESHIP TRAINING

The College of New Caledonia in conjunction with the Department of Labour instructs courses in the automotive, electrical, and millwright apprenticeship trades training program. Persons interested in these trades are advised to contact the B.C. Department of Labour.

TECHNICAL, GENERAL STUDIES AND UNIVERSITY TRANSFER PROGRAMS

FEE STRUCTURE

Fees - University Transfer, Technical and General Studies Programs
1. Full-Time Students (Students enrolled in 15 or more credit hours)

- a) In-region and other region students
 Tuition \$150.00 per semester
 I.D./Library Card 1.00 per year
 *Lab Fees 15.00 per lab (maximum \$30.00)
 Student Union Fees 14.00 per semester
- b) Out-of-Region Students
 Tuition \$200.00 per semester
 I.D./Library Card 1.00 per year
 *Lab Fees 15.00 per lab (maximum \$30.00)
 Student Union Fees 14.00 per semester

2. Part-Time Students (Students enrolled in fewer than 15 credit hours)

- a) In-region and other region students
 Tuition \$10.00 per credit hour
 I.D./Library Card 1.00 per year
 *Lab Fees 15.00 per lab (maximum \$30.00)
 Student Union Fees 2.50 per course
- b) Out-of-Region Students
 Tuition \$15.00 per credit hour
 I.D./Library Card 1.00 per year
 *Lab Fees 15.00 per lab (maximum \$30.00)
 Student Union Fees 2.50 per course
- * Courses with lab fees are identified in the course description by the letter L following the number in parenthesis.

NOTE: No fees will be charged to Senior citizens.

PAYMENT OF FEES:

Tuition, lab fees and student union 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.

MISCELLANEOUS FEES:

Grade Appeal	\$5.00
Duplicate Transcript	5.00 (3 copies)
Duplicate Diploma	5.00
Reinstatement Fee	20.00
I.D./Library Card Duplicate	1.00
Locker Rental	2.00
Duplicate Permission to Register	1.00
Duplicate Grade Statement	1.00

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

ESTIMATED SEMESTER EXPENSES:

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

Tuition Fees	\$150.00
Lab Fees: (where applicable)	15.00
Books and supplies	200.00
Local transportation	210.00
Miscellaneous	225.00
Student Union	14.00
	<u>\$814.00</u>

(Maximum \$30.00)

(Normally this expense will be for two semesters).

HOUSING AND MAINTENANCE EXPENSES:

Out of town students should budget for the following semester expenses:

Accommodation (\$150.00 per month)	\$600.00
Maintenance (\$50.00 per month)	200.00
	<u>\$800.00</u>

SPONSORED STUDENTS:

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

REFUNDS:

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

SCALE OF WITHDRAWAL REFUNDS:

a) Withdrawal within two weeks after commencement of classes	80% refund
b) Withdrawal within four weeks after commencement of classes	50% refund
c) Withdrawal more than four weeks after commencement of classes	No refund



ADMISSION REQUIREMENTS**TECHNICAL AND UNIVERSITY TRANSFER PROGRAMS**

Students eligible for admission are those who satisfy specific course or program prerequisites and

- a) have graduated from a B.C. Secondary school or equivalent
- or b) are deficient in no more than two courses for B.C. Secondary School graduation (which may be required to be completed while attending College),
- or c) 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 College courses;
- or d) will complete grade 11 in the year in which they are applying for admission, and wish to be considered as "Early Admission" candidates. Admission in this category will only be granted to students with an outstanding record.

Secondary school students planning to enroll in University Transfer courses should anticipate the type of studies they hope to undertake at a University, and consult University calendars for specific requirements.

ADMISSION PROCEDURES: TECHNICAL AND UNIVERSITY TRANSFER STUDENTS
STUDENTS ENROLLING IN COURSES FOR CREDIT:
NEW STUDENTS:

- (i) Apply to Student Services office for an application form and attach a copy of your Secondary School or post-secondary transcript.

Note: Secondary School students are urged to apply for admission as early as possible. A statement from the school that completion of subjects in which the student is enrolled will lead to graduation 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 which should be forwarded as soon as possible.

- (ii) The completed application form, and transcript should be submitted to the College at least two months before the beginning of the semester to which admission is sought.
- (iii) Applications will be processed and students will be notified by mail of their admission to the College. Detailed registration information including the date and time for registration will be included with the notice of admission.

FORMER STUDENTS RETURNING TO COLLEGE:

- (i) At least one month prior to the beginning of the semester in which you wish to enroll contact the Registrar and request a notice of admission and permission to register.
- (ii) Consult a counsellor about appropriate courses. Detailed registration information will be sent to you with the notice of admission.

REGISTRATION:

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

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

**LATE REGISTRATION:**

Students who are unable to register at the specified time may register up to two weeks after the first day of classes.

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 to 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 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 if this is the second consecutive semester when the student's grade point average was between 1.00 and 1.49, may be required to withdraw.
 - to students admitted as "Early Admission" students
 - to students who are not performing at a satisfactory level during a semester.

Note: Students assigned probationary status will be required to attend C.N.C. 154-0 Directed Studies.

Note: C.N.C. students with a grade point average of 0.99 or lower will not be permitted to continue in the following semester.

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

ADVANCE STANDING:

Students who have completed post-secondary courses in other institutions may be given credit for these courses at C.N.C. Such students who plan to transfer to another institution following the completion of a program at C.N.C. are advised to request an equivalent evaluation of these courses from this senior institution prior to enrolling at C.N.C. Following this procedure will avoid complications at the time of transfer. Students with questions on advance standing should consult with a C.N.C. Counsellor well before the beginning of the semester in which they will be registering.

ADMISSION STATUS - GEOGRAPHIC:

Residents of school district 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.

To qualify as an in-region resident, students 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 who satisfy the residence requirements for any other B.C. College region are classified as other region students.

Students not able to qualify as in-region or other region students as defined above are classified as out-of-region students and are required to pay higher tuition fees.

The responsibility for registering as an in-region, other 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:

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.

Students attending C.N.C. must be Canadian citizens or landed immigrants.

CHANGE OF COURSE OR SECTION:

Students contemplating changing courses should consult with a counsellor to avoid enrolling in courses that do not satisfy the requirements for the program they are pursuing. All course and section changes require College approval, and will only be permitted during the periods specified in the College Calendar.

PROCEDURE TO FOLLOW WHEN MAKING A CHANGE:

1. Consult the instructors involved in the change.
2. Obtain and complete a Change of Course or Section form available from the Student Services Office.
3. Obtain the receiving instructor's signature in case of a course change.
4. Return the form to the Student Services Office.

COLLEGE CERTIFICATE:

A C.N.C. Certificate is awarded to students who satisfactorily complete a prescribed College program of less than four semesters, providing they have a cumulative grade point average of 2.0 or higher.

COLLEGE DIPLOMA:

A C.N.C. 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 transfer into third year university in a recognized degree program, and have a cumulative grade point average of 2.0 or higher.

NOTE:

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

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

TRANSCRIPTS:

The Official Transcript includes a record of the student's grades for all courses attempted and is imprinted with the College Seal and signed by the Registrar. One transcript is issued to students upon request, free of charge.

Additional copies may be obtained from the Student Services Office. Fee: \$5.00 for 3 copies. 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 C.N.C. will allow for such transfer.

C.N.C. 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.

CHANGE OF NAME OR ADDRESS:

It is the responsibility of the student to advise the Student Services Office (main floor, 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.

IDENTIFICATION CARDS:

Student identification cards are provided following full payment of fees. In the event of the loss of an identification card a duplicate may be obtained from the Student Services Office (main floor, Vanderhoof Building). Fee: \$1.00.





GENERAL INFORMATION:

GRADES AND GRADE POINT AVERAGE:

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

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

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

GRADE POINT AVERAGE (G.P.A.):

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

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

Example:

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

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

REPEATING A COURSE:

Courses may be repeated for the purpose of raising grades. Credit will be granted for the higher grade achieved. Students repeating courses must advise the Student Services Office, to ensure only the highest grade point is included in the calculation of their G.P.A.

GRADE APPEAL PROCEDURES:

To appeal a grade, a student should first be sincerely convinced that the grade received does not accurately reflect the level of achievement. Students are encouraged to discuss their concerns with the instructor involved. If the dispute cannot be resolved in this manner the student should write a letter to the Dean of Student Services stating the basis of the grade appeal. The letter must be accompanied by the \$5.00 grade appeal fee.

The Dean of Student Services will strike a grade appeal committee to resolve the dispute. The decision of this committee is final. Students successfully appealing a grade will be refunded the \$5.00 grade appeal fee.

STATEMENT OF GRADES:

At the end of each semester 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.

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.

EVALUATION AND GRADING:

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

SUSPENSION:

A student who is performing at an unsatisfactory level during a semester will have his performance reviewed by a committee which includes the instructor(s), the Dean of the division, and the Dean of Student Services.

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

WITHDRAWAL:

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

To withdraw from a course students must complete the withdrawal form available at Student Services.

**BUSINESS PROGRAMS**

C.N.C. offers three separate business programs. Advice and counselling on the selection of an appropriate program is available through the Student Services Office.

B. COMM. TRANSFER

Students must select courses that satisfy the requirements of the first two years of Business and Commerce department of the university to which the student intends to transfer. For further details see page 23.

DIPLOMA IN GENERAL STUDIES - BUSINESS OPTION

Students may select courses from the University Transfer and Technical areas to devise a Business program which will suit their specific needs.

DIPLOMA IN BUSINESS ADMINISTRATION

The courses in this program have been designed to give the student a direct and applied introduction to the skills and knowledge required in the management of modern business. The first year of the Diploma in Business Administration program introduces the fundamentals of all aspects of business, including the development of basic skills and techniques. At an early stage the student is given experience in applying these skills and techniques to the business situation.

In the second year the student has the opportunity to select areas of special interest and relevance to his own needs, abilities and objectives, including accounting, marketing and personnel management.

Strong emphasis is placed on the Case Study method of instruction in all the Business Administration courses.

Recommended Secondary School Courses: Math 11, Book-keeping 11.

Many of the courses in the Business Administration and Data Processing Programs are acceptable as exemptions with the Chartered Accountants' and Industrial Accountants' courses of instruction. Also exemptions may be granted on the Certified General Accountants' program though it should be noted that the C.G.A. calendar states that exemptions refer to students who have completed a full-time educational program. In addition, students will be granted exemptions only at the time of their registration in the program not for course work completed concurrently with the C.G.A. program.

In all three cases, the final decision of granting an exemption is in the hands of each accounting organization.

THE COURSES:**Semester 1**

Accounting I	BUS 151-3
Business Fundamentals I	BUS 153-3
Data Processing Fundamentals I	EDP 151-3
Effective Communication I	ENGL 151-3
Introduction to Economics	ECON 151-3

Semester 2

Accounting II	BUS 152-3
Business Fundamentals II	BUS 154-3
Effective Communication II	ENGL 152-3
Introduction to Human Relations	BUS 165-3
Mathematics of Finance	MATH 154-3
Plus: One elective from:	
Computer Programming I	EDP 152-3
Canadian Economic Issues	ECON 152-3

Semester 3

Financial Management I	BUS 257-3
Introduction to Business Statistics	MATH 157-3
Marketing I	BUS 271-3
Organizational Behaviour	BUS 274-3
Plus: Two electives from:	
Intermediate Accounting I	BUS 251-3
Cost Accounting I	BUS 253-3
Systems Analysis	EDP 253-3
Business Use of the Computer	EDP 255-3
Industrial Relations	BUS 164-3
Fortran Programming	EDP 155-3
Interviewing and Counselling	BUS 276-3
Social Science Elective	(-3)

Semester 4

Business Law	BUS 163-3
Principles of Management	BUS 255-3
Financial Management II	BUS 258-3
Business Policy	BUS 265-3
Plus: Two electives from:	
Intermediate Accounting II	BUS 252-3
Cost Accounting II	BUS 254-3
Personnel Administration	BUS 275-3
Marketing II	BUS 282-3
Systems Design	EDP 254-3
Managerial Computer Applications	EDP 256-3
Social Science Elective	(-3)

CONSTRUCTION TECHNOLOGY

Graduates of this program should expect to enter the construction industry in a junior capacity such as assistant to an estimator or to a project supervisor. Promotion to supervisory positions will require considerable work experience. Opportunities may be available for graduates to work as building inspectors or as surveyors.

The course of study includes: construction materials (soils, concrete, wood, steel, plastics), drafting and blueprint reading, effective communication, surveying, estimating, construction law, and management operations. Relevant building regulations and building codes will be covered throughout the course.

Students are encouraged to find employment in the construction industry between the second and third semesters for on-the-job experience. This will assist the student in finding permanent employment after graduation.

The Construction Technology program was designed with the assistance and cooperation of the Prince George branch of The Construction Association of British Columbia and members of the Construction Technology Advisory Committee. The program is constantly being reviewed to ensure that course content relates directly to contemporary construction techniques.

Required Secondary School Courses: Math 11, Physics 11, or Industrial Science 12, or permission of instructor.

THE COURSES:

Semester 1

Introduction to the Construction Industry	CONS 150-2
Materials and Applications I	CONS 151-3
Drafting Fundamentals	DRAF 153-3
Effective Communication I	ENGL 151-3
Basic Mathematics	MATH 150-3
Surveying I	SURV 150-2
Business Fundamentals I	BUS 153-3

Semester 2

Drafting and Interpretation	DRAF 154-3
Materials and Applications II	CONS 152-3
Construction Science I	CONS 161-3
Effective Communication II	ENGL 152-3
Surveying II	SURV 151-2
Technical Mathematics	MATH 151-3

Semester 3

Summer Essay	CONS 270-1
Construction Strength and Design I	CONS 271-3
Estimating and Building I	CONS 261-3
Construction Science II	CONS 162-3
Construction and Law	CONS 165-3
Roads and Excavations	CONS 181-3
Plus: One elective from:	
Industrial Relations	BUS 164-3
Data Processing Fundamentals	EDP 151-3
Organizational Behaviour	BUS 274-3

Semester 4

Estimating and Bidding II	CONS 262-3
Project Operations	CONS 282-3
Management Operations	CONS 274-3
Building Services	CONS 284-3
Construction Equipment	CONS 283-3
Plus: One elective from:	
Construction Strength and Design II	CONS 281-3
Business Law	BUS 163-3
Computer Programming I	EDP 152-3

DIPLOMA NURSING

The Diploma Nursing program was still in the development stages at the time of calendar printing, and specific details were not available.

C.N.C. expects to offer this program commencing in September 1977. Course descriptions, program intent information, admission requirements, and other details will be available at Student Services by June 1st, 1977.

Admission requirements will probably include: Chemistry 11, Biology 11, Mathematics 11, and one Science 12. General academic standing will be considered.



DATA PROCESSING

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

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

The Data Processing program is a two year program designed to prepare the individual for employment as a computer operator, programmer, or systems analyst.

The program is intended to conform to the requirements of the Data Processing Management Association and to enable the students, with further study and experience to qualify for the professional certificate in Data Processing.

Recommended Secondary School Courses: Math 11, Book-keeping 11.

THE COURSES:

Semester 1

Accounting I	BUS 151-3
Business Fundamentals I	BUS 153-3
Data Processing Fundamentals	EDP 151-3
Effective Communication I	ENGL 151-3
Introduction to Economics	ECON 151-3

Semester 2

Accounting II	BUS 152-3
Business Fundamentals II	BUS 154-3
Introduction to Human Relations	BUS 165-3
Computer Programming I	EDP 152-3
Effective Communication II	ENGL 152-3
Mathematics of Finance	MATH 154-3

Semester 3

Cost Accounting I	BUS 253-3
Computer Programming II	EDP 251-3
Systems Analysis	EDP 253-3
Business Use of the Computer	EDP 255-3
Introduction to Business Statistics	MATH 157-3
Plus: One elective from:	
Social Science, Business or Data Processing	(-3)

Semester 4

Business Law	BUS 163-3
Cost Accounting II	BUS 254-3
Computer Programming III	EDP 252-3
Systems Design	EDP 254-3
Managerial Computer Applications	EDP 256-3
Plus: One elective from:	
Social Science, Business or Data Processing	(-3)



FINE ARTS DIPLOMA PROGRAM

The Fine Arts Diploma program is designed to establish a positive approach to the educational needs of the College region. The courses required and electives involved provide a balanced program allowing the student to pursue major areas of artistic endeavor. The studies in Studio Art are related to a foundation of Design and Art History on which the students can build their interests.

The liberal arts attitude of this program is an effort to allow high quality Art education without any unnecessary limiting specializations.

Students may enroll in the Fine Arts Diploma program on a full-time or part-time basis; however, it is recommended that in order to maintain continuity of the learning process, students should strive to enroll in, and attend, Fine Art classes on a regular basis.

THE COURSES*

Semester 1

Literature and Composition I	ENGL 101-3
History of Art I	ART 103-3
Design Fundamentals I	ART 101-3
Drawing I	ART 165-3
Plus at least one other elective selected from:	
Ceramics I	ART 163-3
Introduction to Sculpture	ART 171-3
Creative Photography I	ART 173-3
Spinning and Dyeing	ART 161-3

Semester 2

Literature and Composition II	ENGL 102-3
History of Art II	ART 104-3
Design Fundamentals	ART 102-3
Drawing II	ART 166-3
Plus a continuation of first semester electives.	

Semester 3

Modern Art History	ART 251-3
Painting I	ART 263-3
Textile Design I	ART 271-3
Independent Study I	ART 281-3
Plus one Arts and Science elective.	

Semester 4

Contemporary Art History	ART 262-3
Painting II	ART 264-3
Textile Design II	ART 272-3
Independent Study II	ART 282-3
Plus a continuation of the Semester III elective.	

* Courses in this program are offered subject to demand, and availability of resources.

FOREST RESOURCE TECHNOLOGY

The Forest Resource Technology program provides a technical training in the harvesting and management of timber crops B.C.'s major industry. Timber is a renewable resource which requires intense control measures to protect the crop from fire, insects, and disease. The management of timber requires a knowledge of tree nursery, planting, and site preparation techniques. The final harvesting of the timber requires highly qualified technicians to guarantee minimum costs and sustained yield in the future. Land management for the best use of all resources is stressed in the program.

Specific job opportunities for graduates of this program include timber appraisers, road foremen, logging foremen, forest engineering technicians, research assistants; and in the Forest Service as Assistant Rangers, nursery technicians, and fire protection officers.

Students seeking careers in technology should realize that the work is outdoors most of the year and that all conditions of weather will be encountered.

Required Secondary School Courses: Math 11, Biology 11, Drafting 11 with Forestry 11, Chemistry 11, and Physics 11 desirable.

Mature students are admitted with less than Grade 12 if they are 21 years of age with two or more years of experience in the forest industry.

THE COURSES:

Semester 1

Forestry Orientation	FOR 150-3
Forest Products I	FOR 153-3
Forest Science I	FOR 155-3
Forest Measurements I	FOR 161-3
Fire Control I	FOR 165-3
Photogrammetry I	FOR 171-3
Forest Drafting I	FOR 173-2
Effective Communication I	ENGL 151-3
Basic Mathematics	MATH 150-3
Industrial Psychology & Human Relations I	PSYC 157-1

Semester 2

Forest Products II	FOR 154-3
Forest Science II	FOR 156-3
Forest Measurements II	FOR 162-3
Fire Control II	FOR 166-3
Photogrammetry II	FOR 172-3
Forest Drafting II	FOR 174-2
Field School	FOR 199-3
Effective Communication II	ENGL 152-3
Technical Mathematics	MATH 151-3
Industrial Psychology & Human Relations II	PSYC 158-1*

* May be run concurrently with PSYC 157-1 in Semester 1

Semester 3

Summer Essay	FOR 270-1
Public Relations	BUS 267-1
Forest Management I	FOR 251-3
Silviculture I	FOR 253-3
Forest Entomology	FOR 255-3
Applied Sampling ¹ Special Field Project	FOR 260-1
Applied Sampling - Compilations	FOR 261-2
Forest Finance I	FOR 281-3
Roads & Transportation	FOR 285-3
Logging I	FOR 287-3

Semester 4

Industrial Relations	BUS 268-1
Forest Management II	FOR 252-3
Silviculture II	FOR 254-3
Forest Pathology	FOR 256-3
Scaling	FOR 262-3
Forest Finance II	FOR 282-3
Roads & Transportation II	FOR 286-3
Logging II	FOR 288-3
Spring Field School	FOR 299-3
Introduction to Statistics	MATH 104-3

MEDICAL LABORATORY TECHNOLOGY

Students in the Medical Laboratory Technology program will, after successfully completing their year at C.N.C., transfer to B.C.I.T. for their second year. A third year must then be spent in a hospital approved as a training establishment by the Canadian Medical Association. Students must then write the Examination of the Canadian Society of Laboratory Technologists.

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.

Required Secondary School Courses: Mathematics 12, Chemistry 11, Biology 11, and Physics 11. Students with Chemistry 12 and Biology 12 will be given admission priority.

General Requirements: A demonstrated interest in lab science studies. A medical, and eye examination. Interviews may be required.

THE COURSES:**Effective Communication I****Semester 1**

Medical Lab Technology Mathematics I

Introduction to Statistics

Introduction to Chemistry I

General Physics I

Human Anatomy and Physiology I

Medical Laboratory Orientation I

ENGL 151-3

or ENGL 101-3

MATH 161-3

MATH 104-3

CHEM 103-3

PHYS 105-3

BIO 161-3

MLT 151-3

Semester 2

Effective Communication II

Medical Lab Technology Mathematics II

Chemistry for Medical Lab Technologists

General Physics II

Human Anatomy and Physiology II

Medical Laboratory Orientation II

ENGL 152-3

or ENGL 102-3

MATH 162-3

CHEM 154-3

PHYS 106-3

BIO 162-3

MLT 152-3

Semester 3 (May - June)

Introduction to Data Processing For

Medical Lab Technologists

Fundamentals of Immunology

EDP 157-2

BIO 163-3

PROFESSIONAL SECRETARY

This Diploma program combines components from the College of New Caledonia Business Office Training and Business Administration programs to provide a sound and practical educational background for the career oriented secretary.

Completion of the following courses will prepare persons for certification with the Canadian Division of the National Secretaries Association.

Semester 1

Typewriting

Shorthand

Office Practice

English

Business Machines and Dictaphone

Semester 2

Typewriting - 55 nwpm

Shorthand - 100 wpm

Effective Communications II

Business Law

Plus: One elective from the list below.

ENG 152-3

BUS 163-3

Semester 3

Introduction to Economics

Accounting I

Organizational Behavior

General Psychology I

Data Processing Fundamentals

ECON 151-3

BUS 151-3

BUS 274-3

PSYC 151-3

EDP 151-3

Semester 4

Accounting II

Personnel Administration

Plus: Three electives to be chosen from the following:

Business Fundamentals I

Business Fundamentals II

Intermediate Accounting I

Intermediate Accounting II

Computer Programming I

Mathematics of Finance

General Psychology II

Introduction to Human Relations

Introduction to Business Statistics

or any two University Transfer courses.

BUS 152-3

BUS 275-3

BUS 153-3

BUS 154-3

BUS 251-3

BUS 252-3

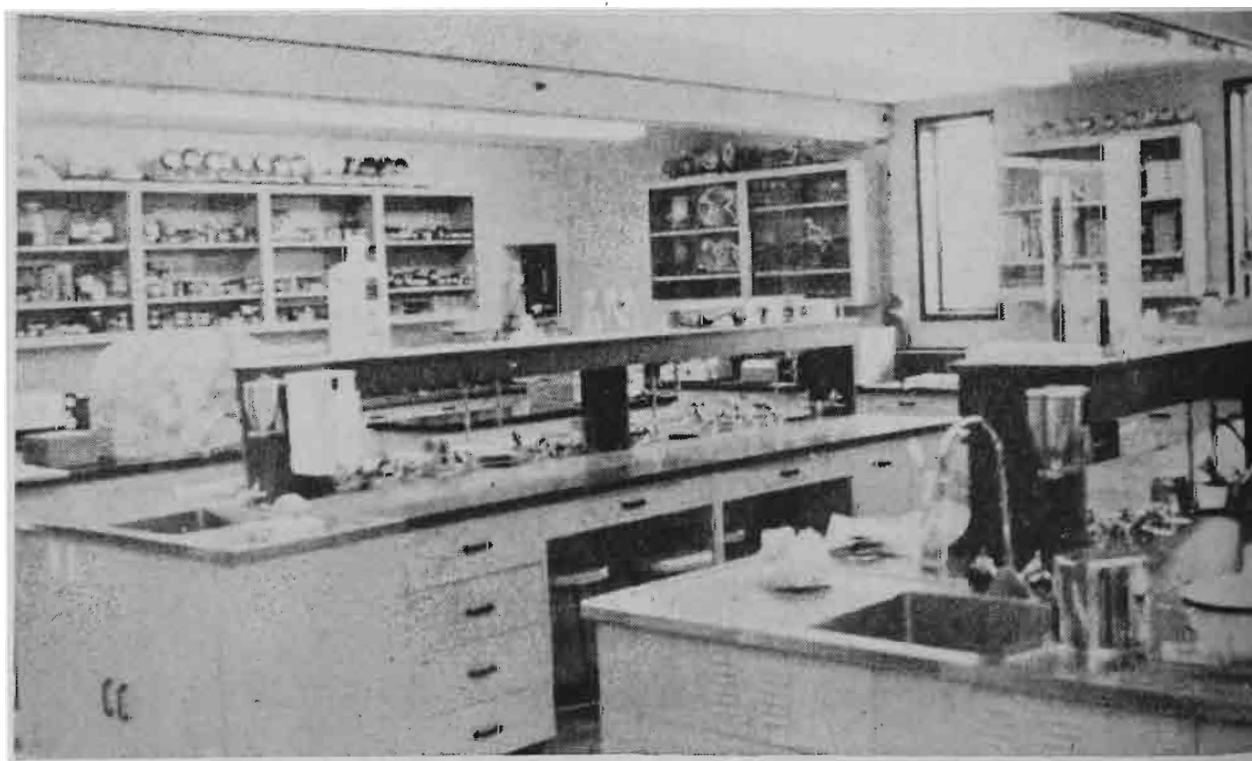
EDP 152-3

MATH 154-3

PSYC 152-3

BUS 165-3

MATH 157-3



University Transfer Programs Recommended Secondary School Courses

Program of Studies in:

ARTS -

A language other than English is required for a B.A. degree at U.B.C. only. It may be: French 12 or a foreign language "12", or French 11 or foreign language "11" plus one University year in same language, or Two University years in a language.

Some universities require at least one year of a lab science for an arts degree, therefore, it would be helpful to for secondary school students to take at least a Science 11.

EDUCATION -

There are no specific secondary school subjects required beyond those necessary for graduation. However, as "Education" is usually a combination of "Arts" and teacher education or "Science" and teacher education the requirements of Arts or Science should be met.

Some universities require at least one course in History, Geography, Mathematics, and Lab Science. If a student is considering teaching at the elementary level, the above courses should be considered.

SCIENCE -

As students will transfer from C.N.C. to universities, it is suggested that you follow university recommendations for Secondary School courses.

Chemistry 11
Physics 11
Mathematics 11 and 12
At least one additional science course numbered "11" or "12".

SUGGESTED FIRST TWO SEMESTERS AT C.N.C. FOR ARTS, COMMERCE, EDUCATION, AND SCIENCE DEGREE PROGRAMS

NOTE: As University prerequisites are subject to revision at the discretion of the individual Universities, University Transfer students are advised to check with a C.N.C. Counsellor prior to course selection.

ARTS (B.A.)

University of B.C. Any two of English 101-3, 102-3, 103-3. Six semester hours of science (Biology, Chemistry, Physics, Geology, Geography*, Math). Six semester hours of a foreign language. (If a language 12 has been completed in Secondary School, electives may be chose.) Twelve semester hours of electives chosen from the list at the end of this section.

TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria Any two of English 101-3, 102-3, 103-3. Twenty-four semester hours of electives chosen from the list at the end of this section. Students are advised to consult the U. of Victoria calendar for information on requirements for majors.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Simon Fraser University English 101-3 and 102-3. Twenty-four semester hours of electives chosen from the list at the end of this section. Students are advised to consult the S.F.U. calendar for group requirements.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Notre Dame University English 101-3 and 102-3. Twenty-four semester hours of electives chosen from the list at the end of this section. Students are advised to consult the N.D.U. calendar for information on requirements for majors.

TOTAL 30 SEMESTER HOURS OF CREDIT.

EDUCATION (Elementary) (B.Ed.)

University of B.C. Any two of English 101-3, 102-3, 103-3. Six semester hours social sciences. (Anthropology, Economics, History, Philosophy, Psychology, Sociology). Six semester hours lab sciences (Biology, Chemistry, Physics, Geology, Geography*). Twelve semester hours of University Transfer electives.

TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria English 103-3, and 102-3 or 101-3. Six semester hours of Mathematics. Six semester hours of lab sciences. Two of Geography* 101-3, 201-3, History 103-3, 104-3, or Anthropology 101-3, 102-3.

TOTAL 30 SEMESTER HOURS OF CREDIT.

* Geography 201-3 and 202-3 may be taken to satisfy the laboratory science requirement.

Simon Fraser University English 101-3 and 102-3. Twenty-four semester hours of electives chosen from the list at the end of this section. Consult S.F.U. calendar for requirements.

TOTAL 30 SEMESTER HOURS OF CREDIT

Notre Dame University English 101-3 and 102-3. Six semester hours of a lab science (Biology, Chemistry, Physics, Geology, Geography); Math 101-3 and 102-3. Twelve semester hours of electives chosen from the list at the end of this section, and in consultation with the N.D.U. calendar.

TOTAL 30 SEMESTER HOURS OF CREDIT.

EDUCATION (Secondary) (B.Ed.)

University of B.C. Any two of English 101-3, 102-3, 103-3. Twenty-four semester hours of electives and courses required for academic concentrations or majors.

TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria Any two of English 101-3, 102-3, 103-3. Twenty-four semester hours of electives to satisfy prerequisites for teaching majors.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Simon Fraser University Same as S.F.U. elementary program, see above.

TOTAL 30 SEMESTER HOURS OF CREDIT.

COMMERCE AND BUSINESS ADMINISTRATION

University of B.C. (Pre-Commerce) Any two of English 101-3, 102-3, 103-3. Math 101-3 and 102-3. Economics 101-3 and 102-3. Twelve semester hours selected from Psychology 101-3, 102-3. Political Science 101-3, 102-3. Sociology 101-3, 102-3 are recommended to permit maximum transfer flexibility.

TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria No program offered.

Simon Fraser University English 101-3 and 102-3. Economics 101-3 and 102-3; Math 101-3 and 102-3. Twelve semester hours of electives.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Notre Dame University Also included B.Sc. in Medical Records, Biology 101-3 and 102-3; English 101-3 and 102-3; Math 101-3 and 102-3. Twelve semester hours of electives.

TOTAL 30 SEMESTER HOURS OF CREDIT.

SCIENCE (B.Sc.)

NOTE: C.N.C. University Transfer science students are advised to check the requirements for a major with a C.N.C. Counsellor.

University of B.C. Any two of English 101-3, 102-3, 103-3; Math 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 101-3 and 102-3 or 105-3 and 106-3*; Biology 101-3 and 102-3 or six semester hours of a non-science elective.

TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria Any two of English 101-3, 102-3, or 103-3; Math 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 101-3 and 102-3 or 105-3 and 106-3*; Biology 101-3 and 104-3 or six semester hours of an Arts and Science elective.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Simon Fraser University Any two of English 101-3, 102-3, or 103-3; Math 101-3 and 102-3; Chemistry 101-3 and 102-3 or Chemistry 103-3 and 104-3; Physics 101-3 or 102-3; Biology 101-3 and 102-3 or 103-3 and 104-3 or six semester hours of Arts and Science electives.

TOTAL 30 SEMESTER HOURS OF CREDIT.

Notre Dame University Same as the University of Victoria Science Program.

TOTAL 30 SEMESTER HOURS OF CREDIT.



**SUGGESTED FIRST TWO SEMESTERS AT C.N.C. FOR DEGREE PROGRAMS AT U.B.C.
DEGREE AT U.B.C. C.N.C. COURSES**

Agricultural Sciences

Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 101-3 and 102-3 or 105-3 and 106-3; Mathematics 101-3 and 102-3.

Students contemplating studies in Agriculture Economics are advised to consult with a C.N.C. Counsellor.

Applied Science (Engineering)

Two of English 101-3, 102-3, 103-3; Mathematics 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 101-3 and 102-3. Six semester hours of elective chosen from the list at the end of this section.

Architecture

Same as Arts, Science or Applied Science. A degree is normally required as a pre-requisite for admission.

Dental Hygiene

Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Psychology 101-3, 102-3; Six semester hours of an Arts or Science elective.

Dentistry

A College student planning ultimately to apply to the Faculty of Dentistry must anticipate three years of study, the first two of which may be taken in college and the third in the Faculty of Science or Arts at U.B.C. C.N.C. students should take the courses outlined in the "Science" program for the first two semesters.

Forestry

Any two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Physics 101-3 and 102-3 or 105-3 and 106-3*; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Math 101-3 and 102-3.

Home Economics

Division of Family Sciences.
Any two of English 101-3, 102-3, 103-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Biology 101-3 and 102-3; Mathematics 12 or Math 101-3 and 102-3 or 103-3 and 104-3.

Six semester hours of electives selected from anthropology, political science, psychology or sociology.

Division of Human Nutrition.

Two of English 101-3, 102-3, 103-3; Chemistry 101-3, 102-3 or 103-3 and 104-3; Math 101-3 and 102-3; Biology 101-3 and 102-3; Physics 101-3 and 102-3.

Law

There are no subject matter requirements beyond those in the degree program of which the pre-law studies form a major part. Most pre-law students obtain a B.A. or some other bachelor's degree before seeking admission to the Faculty of Law.

Librarianship

The requirement for admission to the School of Librarianship is a bachelor's degree. Consult the requirements for the degree of your choice.

Medicine

A student planning to apply to the Faculty of Medicine must anticipate three years of study, the first two of which may be taken in college and the third in the Faculty of Science or Arts at U.B.C. Students are advised to include the following courses in the first two semesters at C.N.C. Two of English 101-3, 102-3, 103-3; Math 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 101-3 and 102-3 or 105-3 and 106-3. Biology 101-3 and 102-3.

Pharmaceutical Sciences

Two of English 101-3, 102-3, 103-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Math 101-3 and 102-3; Physics 101-3 and 102-3 or 105-3 and 106-3 or Biology 101-3 and 102-3; Six semester hours of non-science electives.

Physical Education

OPTION A - NON-SCIENCE

Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Psychology 101-3 and 102-3; Twelve semester hours of electives. (Students should choose these electives according to anticipated majors).

OPTION B - SCIENCE

Two of English 101-3, 102-3, 103-3; Mathematics 101-3 and 102-3; Biology 101-3 and 102-3; Physics 101-3 and 102-3 or 105-3 and 106-3 or Psychology 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3.

Recreation

Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Psychology 101-3 and 102-3. Art 103-3 and 104-3. Six semester hours of Art and Science electives.

Rehabilitation Medicine

Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3. Math 101-3 and 102-3 or 103-3 and 104-3. Six semester hours of Arts and Science electives.
NOTE: C.N.C. students are reminded that the Faculty of Rehabilitation Medicine requires transfer students to have a "B" average.

Social Work

Admission to the Bachelor of Social Work Degree Program will normally follow completion of the first two years of a Bachelor of Arts program. Electives must include: Six semester hours selected from: Economics 201-3 and 202-3; Geography 203-3 and 205-3; History 101-3 and 102-3; Political Science 101-3, 102-3 plus Six semester hours selected from: Psychology 101-3 and 102-3; Psychology 201-3 and 202-3; Psychology 203-3 and 204-3; Sociology 101-3 and 102-3.

N.B. All students intending to pursue a university degree program are strongly advised to see a C.N.C. Counsellor prior to or during registration.

* Students taking Physics 105-3, 106-3 must see a C.N.C. Counsellor prior to registration.

UNIVERSITY TRANSFER AND TECHNICAL COURSE DESCRIPTIONS

STANDARD COURSE ABBREVIATION

Anthropology	ANTH
Art	ART
Ballet	BAL
Biology	BIO
Business	BUS
Chemistry	CHEM
Classics	CLAS
C.N.C. Study Skills	C.N.C.
Commerce	COMM
Construction	CONS
Data Processing	EDP
Drafting	DRAF
Early Childhood Education	ECE
Economics	ECON
English	ENGL
Forestry	FOR
French	FREN
Geography	GEOG
Geology	GEOL
History	HIST
Humanities Program	HUM
Mathematics	MATH
Medical Laboratory Technology	MLT
Music	MUS
Philosophy	PHIL
Physical Education	P.E.
Physics	PHYS
Political Science	POSC
Psychology	PSYC
Recreation	REC
Science	SCI
Social Work	SOWK
Sociology	SOC
Spanish	SPAN
Surveying	SURV
Theatre	THT
Zoology	ZOO

Each course is identified by a four digit number, for example BUS 151-3. The first three digits identify the courses, last digit (3 above) indicates the number of credit hours the course carries.

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 C.N.C. satisfy the requirement of the institution to which they wish to transfer.

The number in parenthesis at the end of the description indicates the number of lecture hours and lab or seminar hours per week.

Thus (3,2) - 3 hours lecture and
2 hours lab or seminar
per week

The letter "L" following the parenthesis indicates a Lab fee.

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

All courses numbered 100 - 149 and 200 - 249 are University Program courses. All courses number 150 - 199 and 250 - 299 are Technical Program courses and are not normally transferable to a University. Courses numbered 020 - 099 are preparatory courses and do not carry college or university credit. However, they do serve as prerequisites to college and university level courses. Vocational programs carry a specified number of College semester hours of credit upon completion.

ANTHROPOLOGY

ANTH 101-3 CULTURAL & 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 & 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 201-3 SOCIAL STRUCTURE I - ETHNOGRAPHY

Review of structural functional theory and method. Survey of structural functional ethnographies and the examination of societies of various subsistence bases, geographical milieux, kinship organization, and political structures.

Prerequisites: Anth 101-3, 102-3, or equivalent.

(2,1)

ANTH 202-3 SOCIAL STRUCTURE II - THEORY & 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.

Prerequisites: Anthropology 201-3

(2,1)

ART

ART 101-3 DESIGN FUNDAMENTALS I

An introductory course in which the student is introduced to various techniques, skills and theory of design. Composition, basic design elements and development from nature are major areas of coverage. Applies mainly to work in two dimensions.

(2,6)L

ART 102-3 DESIGN FUNDAMENTALS II

Complements Art 101-3 as it progresses with preparation for sculptural form. Use of major sculptural media are combined with technical, conceptual information.

Prerequisites: Art 101-3 or by permission of instructor.

(2,6)L

ART 103-3 HISTORY OF ART I

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

(3,0)

ART 104-3 HISTORY OF ART II

A continued survey of major art developments from neoclassical to the present day. Throughout their studies students consider the implications of world condition, social factors, etc. as they related to the history of art.

Prerequisites: Art 103-3

(3,0)

ART 161-3 SPINNING AND DYEING

Carding on hand and drum carders; spinning on spindles, traditional and Indian style spinning wheels; experimentation with natural and commercial dyes; lecture on development of spinning wheels; study and comparison of different breeds of sheep and their suitability to specific needs; experimentation with other spinning fibres, natural and man-made; experiments in blending and spinning novelty fibres.

(1,2)L

ART 163-3 CERAMICS I

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

(2,4)L

ART 164-3 CERAMICS II

A continuation of Art 163-3.

Prerequisites: Art 163-3 or by instructor's permission.

(2,4)L

ART 165-3 DRAWING I

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

(2,4)L

ART 166-3 DRAWING II

A continued progression of basic drawing through figured anatomical, multiple media, and all major advanced drawing approaches.

Prerequisites: Art 165-3 or by instructor's permission.

(2,4)L

ART 167-3 BASIC DESIGN IN OFF-LOOM TECHNIQUES I

A design course structured around non-loom and primitive fibre manipulation in which students will study design fundamentals and colour theory as applied to textile design. Some areas covered will be finger weaves, knotting, macrame, primitive looms, inkle and basketry forms.

Prerequisite: Art 161-3 or permission of instructor.

(2,4)L

ART 168-3 BASIC DESIGN IN OFF-LOOM WEAVING TECHNIQUES II

A basic design course structured around primitive off-loom techniques. Students will study design fundamentals and colour theory in relation to textiles. They will receive aid and instruction in building and weaving on simple looms. Included will be a historical survey of ancient looms and weaving techniques.

Prerequisite: Art 167-3 or permission of instructor.

(2,4)L

ART 171-3 SCULPTURE I

A first year course exploring three-dimensional concepts, experiencing new materials and helping students develop their own means of expression.

(0,3)L

ART 172-3 SCULPTURE II

A continuation of Art 171-3.

Prerequisites: Art 171-3 - Sculpture I

(0,3)L

ART 173-3 CREATIVE PHOTOGRAPHY I

This introductory course will cover the theory and practical aspects of the Black and White medium. Subject matter will include; camera handling, the use of interchangeable lenses, filters, flash, etc. Basic Darkroom procedures such as film processing, contact printing, enlarging, finishing, and display of prints.

(2,4)L

ART 174-3 CREATIVE PHOTOGRAPHY II

Negative and print quality control, leading to more advanced techniques, pictorial composition, the paper negative, reduction and intensification, toning, the high contrast negative, and solarization.

(2,4)L

ART 251-3 MODERN ART HISTORY

A survey of modern art from 1860 to 1950 covering all major trends and styles from Impressionism to the demise of Abstract Expressionism.

Prerequisite: Art 104-3

(3,0)

ART 252-3 CONTEMPORARY ART HISTORY

A wide coverage of Contemporary Art trends with effort to uncover the existence and motivations which have influenced them.

Prerequisites: Art 251-3 or by instructor's permission.

(3,0)

ART 264-3 PAINTING I

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

Prerequisite: Art 166-3 or by permission of instructor.

(2,4)L

ART 265-3 PAINTING II

A continued development from painting basics to an advanced set of constructions and finished paintings.

Prerequisite: Art 264-3 or by instructor's permission.

(2,4)L

ART 271-3 WEAVING I

Weaving on a multi-harness loom. Basic techniques in weaving, designing and drafting.

Prerequisites: Art 168-3

(2,4)L

ART 272-3 WEAVING II

A continuation of Art 271-3, proceeding beyond the fundamentals to a creative exploration of the potential of the multi-harness loom.

Prerequisite: Art 271-3 (2,4)L

ART 281-3 INDEPENDENT STUDY I

In cooperation with the instructor the student will plan and execute a major artistic production.

Prerequisite: Completion of all other requirements for the Fine Arts diploma, and the instructor's permission. (0,6)L

ART 282-3 INDEPENDENT STUDY II

A continuation of Art 281-3 that will terminate in an Exhibition.

Prerequisite: Art 281-3 and permission of the instructor. (0,6)L

BALLET**BAL 151-0 PREPARATIVE BALLET**

A systematic program of instruction in the classic ballet movement. Advanced students will study modern jazz dance. The course will accommodate beginners and others in six sections. The College Certificate in Preparative Ballet will be awarded upon completion of six semester's work. This award is contingent upon the instructor's recommendation, and is granted irrespective of level attained. (0,1)

BIOLOGY**BIOL 030 BASIC BIOLOGY**

The elements of Biology, equivalent to the Grade 9 and 10 high school curriculum. It includes a basic introduction to the cell, genetics, evolution, ecology, and human biology.

BIO 040 ADVANCED PREPARATORY BIOLOGY

This course covers the basic elements of Biology in the following areas: The microscope and other research tools, the cell, classification, photosynthesis, and respiration, genetics, evolution, ecology, human biology, and botany and/or zoology.

BIO 101-3 BIOLOGY FOR SCIENCE MAJORS I

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

Prerequisites: Biology 11 or Biology 040

Corequisites: One of Chemistry 101-3, 102-3, 103-3, or 104-3 (3,3)L

BIO 102-3 BIOLOGY FOR SCIENCE MAJORS II

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

Prerequisites: Biology 11 or Biology 040.

Corequisites: One of Chemistry 101-3, 102-3, 103-3, or 104-3. (3,3)L

BIO 103-3 BIOLOGY FOR NON-MAJORS I

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

BIO 104-3 BIOLOGY FOR NON-MAJORS II

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

BIO 161-3 HUMAN ANATOMY AND PHYSIOLOGY

An introduction survey of the structure and function of the organs of man. Laboratory exercises will be closely integrated with the lectures to emphasize the obversity of form and function. (3,3)L

BIO 162-3 HUMAN ANATOMY AND PHYSIOLOGY II

A continuation of BIO 161-3. (3,3)L

BIO 163-3 FUNDAMENTALS OF IMMUNOLOGY

Principles of Immunology with emphasis on medical laboratory application. Topics covered include antigen-antibody reactions, hypersensitive states and autoimmune diseases. (2,1)L

BIO 201-3 CELL STRUCTURE

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

Prerequisites: Biology 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3.

Corequisites: Chemistry 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: Biology 201-3

Corequisite: Chemistry 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. Intra-specific and interspecific relationships or organisms will be developed. An introduction to the biome concept and the influence of man on his environment will be considered.

Prerequisites: Biology 101-3 and 102-3 or Biology 103-3 and 104-3 and first year College Chemistry. 3,0)L

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: Biology 101-3 and 102-3 or Biology 103-3 and 104-3 and first year College Chemistry. (3,0)L

BIO 205-3 INTRODUCTION TO MICROBIOLOGY I

A historical perspective of microbiology, followed by topics which will include bacterial cell structure and its relation to function, bacterial growth kinetics and a survey of the lower protists. An introduction to virology and bacterial metabolism, including environmental factors which affect microbial growth and survival will also be presented.

Prerequisites: Biology 101-3 and 102-3.

Corequisite: Chemistry 203-3 (3,3)L

BIO 206-3 INTRODUCTION TO MICROBIOLOGY II

This course will include an introduction to the genetics of bacteria and viruses; sporulation as a form of bacterial differentiation; immunology, including both antibody and cellular responses to antigen and an analysis of host-parasite relationships.

Prerequisite: Biology 205-3

Corequisite: Chemistry 204-3. (3,3)L



BUSINESS

BUS 151-3 ACCOUNTING I

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

BUS 152-3 ACCOUNTING II

A concentration on the analysis of the major balance sheet accounts-assets, liabilities, equity accounts and their relationship to the income statement. All material is integrated in a major case study. The topics covered include: cash, investments, accounts receivable, notes receivable, inventories, fixed assets, notes payable, long term liabilities, equity capital stock, and equity retained earnings.

Prerequisites: Business 151-3 or equivalent with permission of instructor. (3,0)

BUS 153-3 BUSINESS FUNDAMENTALS I

A management overview of the financial, personnel, marketing and production functions in business, as well as a basic background in the areas of business law. Basic techniques for analysis in the four major functional areas will be introduced in the course. (3,0)

BUS 154-3 BUSINESS FUNDAMENTALS II

A continuation of Business 153-3. (3,0)

BUS 163-3 BUSINESS LAW

A general survey of business law with emphasis on contract law, the contract of sale, bailment, principal and agent, the contract of employment, and negotiable instruments. (3,0)

BUS 164-3 INDUSTRIAL RELATIONS

A review of the history and current status of Industrial relations in Canada with particular emphasis on the roles assumed by labour unions, management, and government bodies in the collective bargaining process. Grievance procedures, administration of collective agreements, arbitration, mediation, strikes, lockouts and provincial labour codes are discussed in detail along with anti-inflation legislation and the resolution of conflict. (3,0)

BUS 165-3 INTRODUCTION TO HUMAN RELATIONS

Introduction to the psychological approach to management through studying human behaviours, personality, motivation, leadership, and their application to the business environment. (3,0)

BUS 251-3 INTERMEDIATE ACCOUNTING I

Accounting principles covered in Business 151-3 and Business 152-3 are continued with more emphasis placed upon the theoretical aspects of the accounting process. The topics covered include: Foundations of Accounting Theory. The Accounting Process. The Balance Sheet. Income Statement and Statement of Retained Earnings. Cash and Temporary Investments. Receivables. Inventories. Long Term Investments. Tangible Fixed Assets. Intangible Assets. Deferred Charges.

Prerequisites: Business 152-3 or equivalent with permission from instructor. (3,0)

BUS 252-3 INTERMEDIATE ACCOUNTING II

The topics covered include: Current and Contingent Liabilities. Accounting for Bonds. Leases. Contributed Capital at Formation. Contributed Capital changes after Formation. Retained Earnings. Income Tax Allocation. Price Level Changes. Statement of Source, and Application of Funds.

Prerequisites: Business 251-3 or equivalent with permission of instructor. (3,0)

BUS 253-3 COST ACCOUNTING I

An introduction to managerial accounting. Emphasis is placed on cost for planning and control and includes the following topics of prime managerial significance: Conceptual framework of management accounting, Cost-Volume-Profit relationships, Job-order costing, process costing, labour cost: control and accounting, Standard costs: direct materials and direct labour, flexible budgets, and managerial cost reports.

Prerequisite: Business 152-3. (3,0)

BUS 254-3 COST ACCOUNTING II

A continuation of Business 253-3, Cost Accounting I. Topics covered include: Accounting systems. Standard cost analysis of overhead variances. Responsibility accounting. Budgeting/profit planning. Inventory planning, control, and valuation. Joint-product costs and by-product costs. Direct costing and the contribution approach. Decentralization, including the measurement of performance transfer pricing, sales mix, production mix, and yield variances.

Prerequisites: Business 253-3 or permission of instructor. (3,0)

BUS 255-3 PRINCIPLES OF MANAGEMENT

An analysis of management functions including planning, organizing, staffing, directing, coordinating and controlling. Through classroom discussions and case analysis the student is able to integrate the principles of management with organizational situations. The process of decision making is also covered in this course as well as management by objectives and other techniques of management. (3,0)

BUS 257-3 FINANCIAL MANAGEMENT I

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

Prerequisites: Second year standing. (3,0)

BUS 258-3 FINANCIAL MANAGEMENT II

Sources and forms of short-term financing for both large and small businesses are studied. The topics covered: Trade credit and current asset financing. Bank financing. Term loans. Cost of capital. Long term securities market. Long term debt. Financial leverage. Warrants and convertibles. Preferred stock. Common stock. Dividend policy.

Prerequisites: Second year standing. Business 257-3 recommended. (3,0)

BUS 265-3 BUSINESS POLICY

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

Prerequisites: Bus 153-3 & 154-3 (3,0)

BUS 267-1 PUBLIC RELATIONS

The essential topics in this course are the development and discussion of management and supervisory skills, methods by which the public, private, and corporate structures relate to people, the media, and factors affecting management-employee relations.

Prerequisites: Second year standing. (1,0)

BUS 268-1 INDUSTRIAL RELATIONS

This course covers the history of unions in the B.C. Forest Industry, the structure and function of the International Woodworkers of America and the Teamsters Unions, Union-management agreements and relations, negotiations, arbitrations, and strike action. Union membership and promotion of good safety practises are also important topics.

Prerequisites: Second year standing. (1,0)

BUS 271-3 MARKETING I

An introduction to the marketing function of the firm and basic marketing concepts. The course then examines the following topics: marketing research, 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. (2,2)

BUS 274-3 ORGANIZATIONAL BEHAVIOUR

A multidimensional 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 of change.

Prerequisites: Business 165 or Business Experience. (3,0)

BUS 275-3 PERSONNEL ADMINISTRATION

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

Prerequisite: Second year standing or permission of instructor. (3,0)

BUS 276-3 INTERVIEWING AND COUNSELLING

This course will be of particular interest to personnel people and those in supervisory positions, but will also be of help to those engaged in counselling. The varied techniques of counselling will be studied including group counselling and non-directive interviewing. The participants will be exposed to role playing and other practical exercises in order to practice the varied techniques. Prerequisite: Business 165 or business experience. (3,0)

BUS 282-3 MARKETING II

An in-depth examination of pricing policy, promotional policy, advertising policy, and the management of personal selling. Following this section, the course then examines the marketing of services and international marketing with an emphasis on resource marketing. The course concludes 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. (2,2)

**CHEMISTRY****CHEM 030 INTRODUCTION TO CHEMISTRY**

A lab-oriented course dealing with such topics as atomic theory, chemical nomenclature, bonding, and equations.

CHEM 040 ADVANCED PREPARATORY CHEMISTRY

This course deals with the basic elements of chemistry including structure of the atom, periodic tables, naming compounds, writing formulas, bonding, equations, mole and weight relations, gas laws, chemical equilibrium, solutions, acids, bases and salts, hydrolysis, oxidation-reduction reactions, and other prerequisite topics.

Prerequisites: Grade 10 Chemistry or Science 030.

CHEM 101-3 FUNDAMENTALS OF CHEMISTRY I

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

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

CHEM 102-3 FUNDAMENTALS OF CHEMISTRY II

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

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

CHEM 103-3 INTRODUCTION TO CHEMISTRY I

Topics are stoichiometry, periodic table and valence. Basic thermodynamics, equilibrium calculations, oxidation-reduction and electro-chemistry are introduced.

Prerequisites: Chemistry 11 or permission of instructor. (3,3)L

CHEM 104-3 INTRODUCTION TO CHEMISTRY II

Modern theories of bond formation, organic chemistry and biochemistry, reaction kinetics.

Prerequisites: Chemistry 11 or Chemistry 103-3. (3,3)L

CHEM 154-3 CHEMISTRY FOR MEDICAL LAB

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

Prerequisite: Chemistry 103-3. (3,3)L

CHEM 201-3 PHYSICAL CHEMISTRY

A discussion of the laws of thermodynamics followed by equilibrium thermodynamics of gases and solutions.

Prerequisites: Chemistry 101-3 and either Chemistry 102-3 or Chemistry 104-3; or Chemistry 103-3 and either Chemistry 102-3 or Chemistry 104-3. (3,3)L

CHEM 202-3 INORGANIC AND COORDINATION CHEMISTRY

The chemistry and structure of coordination compounds is discussed. Quantum mechanical methods and results are introduced.

Prerequisites: Chemistry 101-3 and either Chemistry 102-3 or Chemistry 104-3; or Chemistry 103-3 and either Chemistry 102-3 or Chemistry 104-3. (3,3)L

CHEM 203-3 ORGANIC CHEMISTRY I

Basic principles of organic chemistry, including reaction and mechanisms, and structural organic chemistry. Practical work in spectroscopy and gas chromatography are included.

Prerequisites: Chemistry 102-3 or Chemistry 104-3. (3,3)

CHEM 204-3 ORGANIC CHEMISTRY II

A continuation of Chemistry 203-3.

Prerequisite: Chemistry 203-3. (3,3)

CLASSICS**CLAS 101-3 GREEK LITERATURE IN TRANSLATION**

A study of some of the major works of classical Greek drama, epics, history, and philosophy. (3,0)

CLAS 102-3 LATIN LITERATURE IN TRANSLATION

A study of some of the major works of classical Latin poetry, history, drama, and philosophy. (3,0)

C.N.C. STUDY SKILLS

C.N.C. 151-0 NOTE TAKING

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

C.N.C. 152-0 WRITING SKILLS (RESEARCH AND ESSAY)

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

C.N.C. 153-0 SPEED READING

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

C.N.C. 154-0 DIRECTED STUDIES

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

C.N.C. 155-0 STUDY MANAGEMENT

A mini course to be given during orientation and throughout the school year. Areas to be covered either partially or in their entirety are: Study management Major course related skills - Auxiliary course skills - Attitudes, interests and habits.



COMMERCE

COMM 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. Students planning to transfer to Commerce at U.B.C. must take this course in their second year. (3,0)

COMM 203-3 BUSINESS FUNDAMENTALS

An introductory course concerned with Canadian business. The Canadian business system and environment are covered, as are the major functional and decision areas within the firm (i.e. Finance, Marketing, Personnel, Production, and Management). Lectures and Discussions. Discussions will be on current articles concerning Canadian business, and current Canadian business cases. (3,3)

COMM 207-3 BUSINESS STATISTICS I

An introduction to probability and statistical inference with applications to Business, Economics, and Industry.

Prerequisites: Mathematics 102-3 or Mathematics 103-3 and 104-3.

COMM 208-3 BUSINESS STATISTICS II

A continuation of Commerce 207-3. Prerequisites: Mathematics 207-3 or Commerce 207-3. (3,1)

CONSTRUCTION

CONS 150-2 INTRODUCTION TO THE CONSTRUCTION INDUSTRY

This course will be primarily field trips and visits to many types and sizes of construction projects. The purpose is to expose students to the many diversified areas in the construction business so that they can relate their course of studies to the practical application. Tours will include the offices and shops of subtrades, supply houses, and architect's offices. Students will be required to submit reports on each of these trips which will be graded for material content and grammar construction as part of the English 151-3 course. (0,2)

CONS 151-3 MATERIALS AND APPLICATIONS I

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

CONS 152-3 MATERIALS AND APPLICATIONS II

This is a continuation of Construction 151-3; wood framing, the many uses of plastics in construction, types of glass, exterior walls, roofing, fire safety and C.S.A. standards are the main topics discussed. The lab session will usually be a trip to a job site to view certain items related to the lectures.

Prerequisites: Construction 151-3 (3,2)

CONS 161-3 CONSTRUCTION SCIENCE I

Applications of mechanics to the construction industry. Topics include stress, strain, moments, introduction to design, fluids, work, and energy.

Prerequisites: Mathematics 150-3. (3,2)

CONS 162-3 CONSTRUCTION SCIENCE II

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

Prerequisites: Construction 161-3. (3,2)

CONS 165-3 CONSTRUCTION LAW

An introduction to the fundamentals of law, including a basic knowledge of contract law in order to avoid legal problems and to know when advice is necessary. Standard contract pertaining to the construction industry are studied. (3,0)

CONS 181-3 ROADS AND EXCAVATIONS

A study of the engineering methods used to lay out and build good access roads; the importance of well-designed drainage structures is emphasized. Various problems associated with shoring, underpinning, and de-watering are discussed. (3,3)

CONS 261-3 ESTIMATING AND BIDDING I

This course deals with basic fundamentals of building construction estimating; emphasis is on accurate, systematic quantity take-offs. This course will integrate knowledge and understanding gained during the first two semesters of the Construction program.

Prerequisites: Drafting 154-3 or permission of instructor. (2,2)

CONS 262-3 ESTIMATING AND BIDDING II

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

Prerequisite: Construction 261-3. (2,2)

CONS 270-1 SUMMER ESSAY

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

CONS 271-3 CONSTRUCTION STRENGTH AND DESIGN I

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

Prerequisites: Mathematics 151-3 and Construction 161-3. (2,2)

**CONS 274-3 MANAGEMENT OPERATIONS**

A study of the operation of a construction company including such items as organization, staffing, evaluation, bookkeeping, cost accounting and cost control. The Critical Path Method is used to study the overall planning, scheduling and costing of a construction project. (3,0)

CONS 281-3 CONSTRUCTION STRENGTH AND DESIGN II

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

Prerequisite: Construction 271-3 (3,0)

CONS 282-3 PROJECT OPERATIONS

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

CONS 284-3 BUILDING SERVICES

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

Prerequisites: Second year standing. (3,0)

CONS 283-3 CONSTRUCTION EQUIPMENT

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



DATA PROCESSING

EDP 151-3 DATA PROCESSING FUNDAMENTALS

An introduction to the development of data processing and the perspectives and issues associated with it. An orientation to the computer and an insight into the impact that computers have had on society. An introduction to the solution of problems, using flowcharting and programming of the computer. (3,1)

EDP 152-3 COMPUTER PROGRAMMING I

An introduction to the principles of programming. This course concentrates on the RPG 11 programming language, based on a modular learning method, with "hands on" computer experience. Flowcharting, coding, testing, debugging, and documenting several applications of increasing complexity will be included. (3,3)L

EDP 155-3 FORTRAN PROGRAMMING

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

EDP 157-2 INTRODUCTION TO DATA PROCESSING FOR MEDICAL LAB TECHNOLOGISTS

Data Processing functions are taught and practised on unit record equipment. Computer programming fundamentals, flow-charting, and solution algorithms are taught. Students will write and test programs. (2,1)L

EDP 251-3 COMPUTER PROGRAMMING I:

The programming of a computer is usually done using a high level language. The most commonly used computer language is COBOL (Common Business Oriented Language). Using COBOL, students will study the fundamentals of business computer programming. Prerequisites: EDP 152-3 or Computer Programming Course. (3,3)L

EDP 252-3 COMPUTER PROGRAMMING III

A study of advanced business computer programming. The use of disk files and of different disk file organizations will be examined through realistic programming assignments. The advanced features of COBOL will be used. The course will expose the student to the intricacies of J.C.L. (Job Control Language). Prerequisites: EDP 251-3 (or previous COBOL course). (3,3)L

EDP 253-3 SYSTEMS ANALYSIS

An introduction to the methods used in designing systems. Problem definition, making a proposal, the full systems study, designing a new system, cost comparison, selling the system, implementing, documenting and follow up evaluation. Prerequisite: EDP 152-3

Corequisites: EDP 255-3 is recommended. (3,1)

EDP 254-3 SYSTEMS DESIGN

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

EDP 255-3 BUSINESS USES OF THE COMPUTER

An examination of the most common business computer applications, such as; payroll, accounts payable, and general ledger. The techniques for conducting a feasibility study for proposed computer applications are studied. Case studies will be used to illustrate the topics. Prerequisite: EDP 152-3 recommended. (3,0)

EDP 256-3 MANAGERIAL COMPUTER APPLICATIONS

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

Prerequisite: At least one computer course. (3,1)L

DRAFTING

DRAF 153-3 DRAFTING FUNDAMENTALS

This course includes the teaching of basic Drafting techniques, as well as the use of the relevant equipment. It is designed to provide a good base for preparation of simple plans and details. (2,2)L

DRAF 154-3 DRAFTING AND INTERPRETATION

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

Prerequisites: Drafting 153-3. (2,2)

EARLY CHILDHOOD EDUCATION

ECE 251-3 FAMILY IN SOCIETY

A study of the family as a social group. Discussions of roles of family members, differences among social classes, changes in the family due to parents aging and children growing. Emphasis is on the present-day Canadian family.

Prerequisites: Second year standing. (3,0)

ECE 252-3 INFANT DEVELOPMENT

A detailed study of the human from conception through the second year. Influences on development are studied both during the pre and post natal periods. Special emphasis is given to the social and emotional needs of the child.

Prerequisite: Second year standing. (3,0)

ECE 253-2 EXCEPTIONAL CHILDREN

Discussion of programs for children with motor, mental or emotional problems and special techniques used in these programs and understanding of special characteristics of the children. Observation of special programs in the region is part of this course.

Prerequisites: Second year standing. (2,0)



ECE 254-2 SUPERVISION

Students review the operation of a preschool from the administrator's point of view and examine how to order materials and equipment, and study how staff of a centre must work together for a smooth and pleasant operation.

Prerequisite: Second year standing.

(2,0)

ECE 261-2 CREATIVE EXPERIENCES FOR YOUNG CHILDREN

A seminar in fostering creativity in the early childhood curriculum. Principles and practices which develop creativity in arts of art, music, science, creative dramatics, social sciences, language, etc., will be explored with a workshop approach.

(2,0)

ECE 263-3 PLAY AS A WAY OF LEARNING

An experimental approach to the analysis of play's role in the learning process. Emphasis will be on merging theory and research with the real life play experiences of young and old alike.

(3,0)

ECE 282-3 SEMINAR OF E.C.E.

Discussion of behavior of young children and ways of dealing with their behavior. Emphasis is placed on positive techniques for use in the classroom and at home.

Prerequisite: Second year standing.

(3,0)

ECE 291-6 PRACTICUM II

Practical experience of working with young children under the guidance of qualified supervisors. 180 hours.

(2,12)

ECE 292-6 PRACTICUM II

Practical experience of working with young children under the guidance of qualified supervisors. 180 hours.

(2,12)

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.

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 Economic Council of Canada, current statistical publications, and other assigned readings form part of the material in this course.

Prerequisite: Economics 101-3 or permission of the instructor.

ECON 111-3 ECONOMIC HISTORY I

A study of Economic History up to the Industrial Revolution.

(3,0)

ECON 112-3 ECONOMIC HISTORY II

A study of economic history from the Industrial Revolution to the present.

(3,0)

ECON 151-3 INTRODUCTION TO ECONOMICS

The basic concepts and vocabulary of economics. Areas of study include money, inflation, full-employment, investment, business cycles, pricing and costs.

(3,0)

ECON 152-3 CANADIAN ECONOMIC ISSUES

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

Prerequisites: Economics 151-3 or permission of instructor.

(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.

Prerequisite: First year Math.

(3,0)

ECON 202-3 PRINCIPLES OF ECONOMICS - MICROECONOMICS

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

Prerequisite: First year Math.

(3,0)

**ENGLISH****ENGL 020 BASIC PREPARATORY ENGLISH**

This is a refresher course in all forms of communication. Prerequisites: Basic Literacy in English.

ENGL 030 INTERMEDIATE PREPARATORY ENGLISH

The topics in this course include paragraph and theme writing, reading skills, business letters, composition, and literature. Prerequisites: Grade 9 English or Eng 020.

ENGL 040 ADVANCED PREPARATORY ENGLISH

This course is a continuation of Eng 030 and includes advanced grammar, research and report writing, oral presentations, and reading skills.

Prerequisites: Grade 10 English or Eng 030.

ENGL 055-0 REMEDIAL ENGLISH

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

ENGL 101-3 LITERATURE AND COMPOSITION I

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

(3,0)

ENGL 102-3 LITERATURE AND COMPOSITION II

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

(3,0)

ENGL 103-3 COMPOSITION AND STYLE

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

(3,0)

ENGL 151-3 EFFECTIVE COMMUNICATION I

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

ENGL 152-3 EFFECTIVE COMMUNICATION II

A continuation of English 151-3. Some additional practice in letter writing, speaking, and audio-visual communications will be provided.

Prerequisites: English 151-3. (3,0)

ENGL 165-3 CREATIVE PRINTING I

English 165 is a workshop course designed to acquaint the student with the principles and fundamentals of letterpress printing. (0,3)

ENGL 166-3 CREATIVE PRINTING II

A continuation of English 165-3.

Prerequisites: English 165-3 or permission of instructor. (0,3)

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 English 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.

Prerequisites: Two of English 101-3, 102-3, 103-3. (3,0)

ENGL 203-3 CANADIAN LITERATURE I

An introduction to the study of Canadian Literature involving writers from the beginning to the 1940's. Journals, poetry, fiction, and satire will be included.

Prerequisites: Two of English 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 English 101-3, 102-3, 103-3 (3,0)

ENGL 205-3 CREATIVE WRITING I

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

Prerequisite: Permission of instructor. (3,0)

ENGL 206-3 CREATIVE WRITING II

A continuation of English 205-3.

Prerequisite: Permission of instructor. (3,0)

ENGL 209-3 SURVEY OF AMERICAN LITERATURE I

A study of some major works of American Literature from the beginning to the end of the nineteenth century. Students will be asked to write at least three essays on literary topics.

Prerequisites: Two of English 101-3, 102-3, 103-3. (3,0)

ENGL 210-3 SURVEY OF AMERICAN LITERATURE II

A study of some major works of American Literature from 1900 to the present. Students will be asked to submit at least three essays on literary topics.

Prerequisites: Two of English 101-3, 102-3, 103-3. (3,0)

ENGL 211-3 SHAKESPEARE: COMEDIES AND HISTORY PLAYS

A detailed study of some of Shakespeare's major comedies and history plays. Students will be required to submit at least two essays.

Prerequisites: Any two of English 101-3, 102-3, 103-3. (3,0)

ENGL 212-3 SHAKESPEARE: TRAGEDIES AND LAST PLAYS

A detailed study of some of Shakespeare's major tragedies and last plays. Students will be required to submit at least two essays.

Prerequisites: Any two of English 101-3, English 102-3, English 103-3. (3,0)

ENGL 213-3 SHORT FICTION I

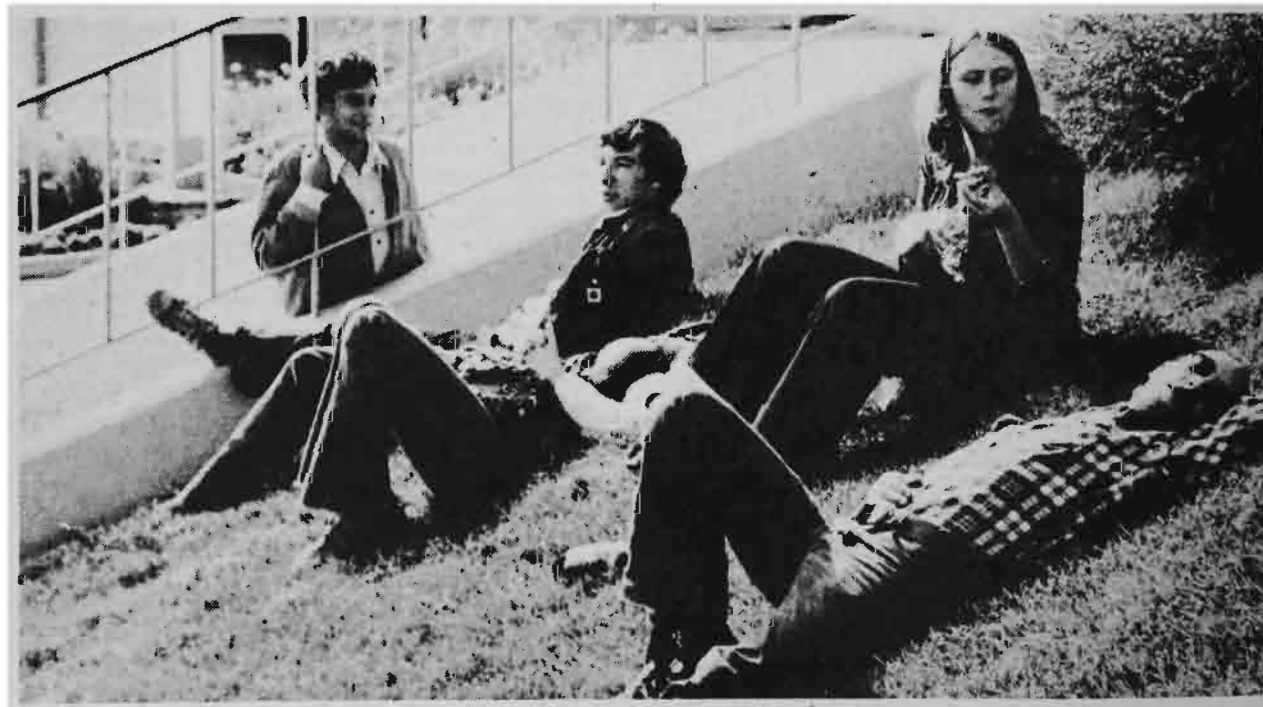
A survey of the short story and novella from Poe to Lawrence. Students will be asked to write at least three essays on literary topics.

Prerequisites: Any two of English 101-3, 102-3, and 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 English 101-3, 102-3, 103-3. (3,0)



FORESTRY

FOR 150-3 FORESTRY ORIENTATION

A two week course designed to introduce the student to the basic concepts of forest technology. Emphasis is placed on survival first aid, water safety, mechanical equipment uses and maintenance, as well as safe working practices. Field trips relevant to the total course are utilized. (0,3)

FOR 153-3 FOREST PRODUCTS I

The major topics in this course are sawmilling and pulping. The Sawmilling portion emphasizes Central Interior systems and in particular small log sawing methods used in the production of kiln dried dimension lumber. The pulping portion of this course will deal with the Kraft or sulphate process plus a brief introduction to other pulping methods. Macroscopic identification of commercial woods is covered in the laboratory sections. (2,2)L

FOR 154-3 FOREST PRODUCTS II

The manufacture of minor forest products such as shingles, hard-boards, particle boards, etc., plus specialty products are covered in this course. More specific detail is provided on veneer, plywood, and paper manufacture. This course will also cover the microscopic identification of commercial woods. (2,2)L

Prerequisites: Forestry 153-3 and Forestry 155-3.

FOR 155-3 FOREST SCIENCE I

This course introduces the student to the broad field of forestry and forest management with emphasis on forestry concepts and terminology, the forest tenure system in B.C., and the importance of the forest industry. Most of the semester is spent on dendrology, with emphasis on identification of B.C. trees and plant indicators, silvics of B.C. trees and plant indicators, silvics of B.C. trees, and autecology (factors effecting tree growth). Also covered are Forest Regions of Canada and the Biogeoclimatic zones of B.C. (2,2)L

FOR 156-3 FOREST SCIENCE II

An emphasis on botany, with a general review of the plant kingdom (with particular reference to forest ecosystems) and basic plant anatomy and physiology (with emphasis on tree structure, growth, and reproduction). This is followed by forest site, range botany and basic soils. The forest science course is basic to most second year courses in Forest Resource Technology. (2,2)L

FOR 161-3 FOREST MEASUREMENTS I

A field-oriented course involving the theory and practice of forest sampling and log scaling procedures, the study of surveying instruments and the development of skills in their use. Field note-keeping, mapping and drafting are given special emphasis. The construction and use of tables and graphic techniques both for reference and summarization of data is emphasized. (3,3)L

FOR 162-3 FOREST MEASUREMENTS II

Statistics and their application to Control Sampling error. Methods of volume and data compilations. Extensive field application of sampling and surveying procedures, with emphasis on note-keeping, accuracy, and completion of forest type and contour maps. (3,4)L

Prerequisites: Forestry 161-3, Forestry 171-3, Forestry 173-2.

FOR 165-3 FIRE CONTROL I

Fire behavior as it is affected by weather, topography, and fuel types. Methods of measuring these variables are studied in order to understand fire hazard and fire danger rating systems. Slash-burning, use of fire pumps, basic suppression, as well as domestic and industrial fire fighting techniques are also included. Woods 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, initial attack, and fire crew organization. Detection, communications and presuppression planning will also be presented. Part IX of the Forest Act, and the Regulations will be covered. Fire suppression methods are studied through fire simulation exercises. (2,2)L

Prerequisites: Forestry 165-3.

FOR 171-3 PHOTOGRAMMETRY I

Photogrammetry involves the interpretation of information from air photographs. The mathematics necessary to read distances, areas and tree heights forms a major part of the course. Mapping and the specialized instruments required for this purpose are studied. The development of drafting skills is also emphasized. (1,3)L

FOR 172-3 PHOTOGRAMMETRY II

Forestry 172-3 emphasizes the use of photographs in mapping, value estimation, logging layout, and forest protection. Drafting skills are further developed. (1,3)L

Prerequisites: Forestry 171-3.

FOR 173-2 FOREST DRAFTING I

This course introduces the student to basic drafting skills, printing, the use of lettering guides and symbols, mapping for logging production, and the use of photographs for updating maps. (0,2)L

FOR 174-2 FOREST DRAFTING II

Three main drafting assignments involving logging layout, road profiling and timber bridge design will be given the second term. This course is developed to complement the Photogrammetry course (Forestry 172-3) which is taught concurrently. (0,2)L

Prerequisites: Forestry 173-2.

FOR 199-3 FIELD SCHOOL

A two week field trip to the coast forest region of Vancouver and Vancouver Island. The trip will include visits to the research facilities of the B.C. and Federal Governments, Forest nurseries, U.B.C., coastal logging operations, sawmills and specialty mills.



FOR 251-3 FOREST MANAGEMENT I

An overview of forest management in B.C. with emphasis on the Central Interior. Topics covered are management history, forms of tenure and administration, utilization, inventory, sustained yield principles and allowable cut calculations. The Forest Act, organization of the B.C. Forest Service, and forest product companies are also examined.

Prerequisite: Second year standing. (2,2)

FOR 252-3 FOREST MANAGEMENT II

A study of integrated resource management of forest lands. Topics covered are land use planning, hydrology, fish and wildlife, range management, recreation and their interactions with forest harvesting. In conjunction with other courses a resource folio is compiled covering an actual forest area.

Prerequisites: For 251-3 and second year standing. (2,3)L

FOR 253-3 SILVICULTURE I

Silviculture is the application of basic tree biology to the growing, harvesting and reproduction of trees. The student will concentrate on silvics, forest soils, basic forest ecology, and the ecological classification of B.C. (Krajina's Biogeoclimatic Zones). Lab exercises will include regeneration surveys, planting practices, survival assessment and plant indicators, and soil analyses.

Prerequisites: Forestry 156-3, Forestry 162-3, Forestry 166-3, Forestry 174-2. (2,3)L

FOR 254-3 SILVICULTURE II

This is a continuation of the basics covered in Forestry 253-3. Topics will include tree seed, direct seeding, site preparation, planting, nursery practices, site assessment, cultural practices, tree improvement, silvicultural systems, and the ecological impact of forestry practices. Emphasis will be on the basic field skills required to cope with the accelerated reforestation program in B.C. A two-day course on pesticides will lead to the "Pesticide Application Certificate".

Prerequisites: Silviculture I - Forestry 253-3. (2,2)L

FOR 255-3 FOREST ENTOMOLOGY

The student will obtain a practical working knowledge of insect and disease agencies which affect forest trees. The first semester will concentrate on the habits and economic significance of the most important insect pests in B.C. Stress will be placed on detection, evaluation of damage and control measures, including the effects of forestry practices on insect populations.

Prerequisites: Forestry 156-3. (2,2)L

FOR 256-3 FOREST PATHOLOGY

A study of forest diseases, causes of diseases, development of infectious diseases, and typical life histories. The most important diseases of B.C. will be studied, with emphasis on recognition, life histories and damage. Other topics to be covered are mistletoe, marine borers, pathological indicators of decay, and introduced pests.

Prerequisites: Forestry 156-3, Forestry 255-3. (2,2)

FOR 260-3 APPLIED SAMPLING - SPECIAL FIELD PROJECT

An extensive full-time six day field project covering a cruise design and applying the latest techniques in sampling.

Prerequisites: Forestry 162-3, Forestry 172-3, Forestry 174-2, Mathematics 155-3. (0,3)

FOR 261-2 APPLIED SAMPLING - COMPILATIONS

Compilation of the field work from Forestry 260-3 using mapping procedures to develop industrial and/or Forest Service operational cruise maps and cruise reports. Introduction to Fortran coding for computer volume printout. Aerial photogrammetry program involves procedures, aerial photogrammetry and compilation of photo mosaics.

Prerequisites: Forestry 162-3, Forestry 172-3, Forestry 174-2, Mathematics 155-3, Forestry 260-3. (1,2)L

FOR 262-3 SCALING

The scaling course will cover scaling procedures used in both the coast and interior of B.C. This involves cubic and weight scaling, water and dry land scaling, and bush scaling. The B.C.F.S. cubic volume scaling compilations methods form an important part of the course.

Prerequisites: Forestry 151-3 and Forestry 152-3. (1,3)L

FOR 270-1 SUMMER ESSAY

Students entering second year will submit an essay on their summer experience, or, failing employment in the forest industry, on a subject authorized by the Forestry faculty. This assignment is due no later than September 30. Specification for the essay will be discussed with students prior to the conclusion of the first term.

(1,0)

FOR 281-3 FOREST FINANCE I

An overview of stock and bond marketing as related to financing business enterprise. Basics of cost, price and value are related to cost accounting, operating and financial statements. Practical examples of forest industry statements and costing methods are used throughout this course.

Prerequisites: Math 151-3, For 153-3. (2,2)L

FOR 282-3 FOREST FINANCE II

A continuation of For 281-3 with an emphasis placed on practice of methods and concepts previously developed. Major topics are break-even determination, inventory, stumpage appraisals critical path method, interest and discount. A logging production and cost budget with inventory flow is developed as part of the harvesting plan in For. 252-3.

Prerequisite: For 281-3. (2,2)L

FOR 285-3 ROADS AND TRANSPORTATION I

Basic engineering design criteria applicable to the layout and construction of forest roads with special emphasis on road standards, horizontal and vertical alignment parameters, and drainage problems.

Prerequisites: Mathematics 151-3, Forestry 162-3, Forestry 174-2. (3,3)L

FOR 286-3 ROADS AND TRANSPORTATION II

Land and water transportation of primary forest products, the basic engineering principles of timber bridge construction and road construction techniques with emphasis on equipment application.

Prerequisites: Forestry 285-3. (3,3)L

FOR 287-3 LOGGING I

An introduction to logging methods with emphasis on the principles and methods of logging layout, logging guide lines and their importance, safety management, budget, and cost control.

Prerequisite: Forestry 162-3. (2,2)

FOR 288-3 LOGGING II

Logging II is a continuation of the Logging I course proceeding to the affect of the cutting systems on logging methods, description of coast logging and transportation systems with a review of the logging guidelines for coastal operations. Components and maintenance of logging equipment are discussed.

Prerequisite: Forestry 287-3. (2,2)

FOR 299-3 SPRING FIELD SCHOOL

Students completing the second year program will select optional projects related to their own specific interest areas. Certain projects may be mandatory. This course covers a two week period.

Prerequisite: Completion of 4th Semester.

FRENCH

FREN 051 BEGINNER'S FRENCH I

A beginner's course designed to cover basic elements of the French language within a context of contemporary spoken French.

FREN 052 BEGINNER'S FRENCH II

A continuation of French 051.

Students completing French 051 and 052 will be granted B.C. French 11 equivalency and will satisfy the prerequisites for admission to C.N.C. French 103-3.

FREN 101-3 INTERMEDIATE COLLEGE FRENCH I

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.

Prerequisites: B.C. Grade 12 French or equivalent. (3,1-1/2)

FREN 102-3 INTERMEDIATE COLLEGE FRENCH II

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.

Prerequisites: French 101-3 or equivalent. (3(1-1/2)

FREN 103-3 INTRODUCTION TO COLLEGE FRENCH I

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.

Prerequisites: B.C. Grade 11 French or equivalent. (3,1-1/2)

FREN 104-3 INTRODUCTION TO COLLEGE FRENCH II

A continuation of French 103-3.

Prerequisites: French 102-3 or equivalent. (3,1-1/2)

FREN 151-3 CONVERSATIONAL FRENCH

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.

Prerequisites: 2 years Secondary School French or permission of instructor. (2,1)

FREN 152-3 CONVERSATIONAL FRENCH

A continuation of French 151-3.

Prerequisite: French 151-3 or permission of the instructor. (2,1)

FREN 201-3 ADVANCED COLLEGE FRENCH I

Extensive conversation and dissertation will be based on a chronological survey of French literature from the middle ages to the end of the seventeenth century. There will also be a review of grammar and syntax through compositions and translations, to allow further development in this language.

Prerequisites: French 102-3 or equivalent or permission from instructor. (3,0)

FREN 202-3 ADVANCED COLLEGE FRENCH II

A continuation of French 201-3. French literature from the 18th Century to the present forms the basis of this course.

Prerequisites: French 201-3 or equivalent. (3,0)



GEOGRAPHY

GEOG 101-3 MAN'S SENSE OF PLACE: AN INTRODUCTION TO GEOGRAPHY

An introduction to the development, structure, concepts, and methods of modern Geography, emphasis being given to four distinct traditions: the Man/Land, Spatial, Regional, and Cultural/Historical approaches to the discipline. (3,3)L

GEOG 103-3 CANADA: SOME GEOGRAPHICAL PERSPECTIVES

The theory and concepts of "the regional method" are applied to Canada. Emphasis is given to an examination of resource development and resource policy in Canada using an historical perspective, with particular consideration given to the North. (3,0)

GEOG 105-3 THE GEOGRAPHY OF COMMUNICATION

An examination of spatial variations in the communication and diffusion of ideas, information, values, and innovations, reference being made to a wide variety of cultures and, in particular, to the manner in which cultures communicate with each other. Prerequisite: Geography 101-3. (3,0)

GEOG 161-3 THE PHYSICAL LANDSCAPE OF THE CENTRAL INTERIOR

This course, for the layman, examines the evolution of the physical landscape of the Central Interior by considering geological make-up, river basins and valleys, glaciation, and climate/vegetation. Students will be made aware of information sources by using maps, air photos, and publications in lab sessions. (1,2)

GEOG 162-3 RESOURCES AND THEIR MANAGEMENT IN THE CENTRAL INTERIOR

Selected problems of environmental management will be examined from a geographer's perspective. Guest speakers will be invited to present alternative viewpoints. Prerequisite: Geography 161-3. (1,2)

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. Prerequisites: Geog 101-3 and Geog 103-3 or permission of instructor. (3,3)L

GEOG 202-3 THE SURFACE OF THE EARTH

A continuation of Geography 201-3. Prerequisite: Geography 201-3. (3,3)

GEOG 203-3 ECONOMIC GEOGRAPHY

A geographic view of economic situations 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 Geog 103-3 or permission of instructor. (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 Geog 103-3, or permission of instructor. (3,0)

GEOLOGY

GEOG 030 PRINCIPLES OF GEOLOGY

An introduction to the major features of the earth's surface and history. Exploration of the earth's surface, forces shaping the earth, formation of the earth, and history of the earth.

GEOG 101-3 INTRODUCTION TO PHYSICAL GEOLOGY

Physical aspects of geology: matter and minerals, description and classification of rocks, rock-forming processes, earthquakes and the earth's interior, structure of the crust, continents and ocean basins. Rock deformation and mountain building, continental drift and plate tectonics. Interaction of oceans and atmosphere with the solid earth: oceans and shoreline processes, weathering and soil formation, mass movement rivers, deserts, glaciers, and landscape evolution. Field trips and visits to regional mining operations are scheduled in place of some laboratory periods. (3,3)

GEOG 102-3 INTRODUCTION TO HISTORICAL GEOLOGY

A continuation of Geology 101-3, with emphasis on historical aspects; the nature, scope and methods of historical geology, geologic time, fossils and the fossil record, theories of evolution, a survey of the major phyla. The origin of the solar system, early history of the earth, history of the continents and life forms with emphasis on North America, the origin of man. Man's interaction with the earth: mineral resources, resource and environmental problems. Prerequisite: Geology 101-3. (3,3)

GEOG 161-3 GEOLOGY FOR GENERAL INTEREST

A non-technical introduction to the materials of the earth and to the processes which operate to build and to shape the earth's surface features. Included will be a discussion of geologic time and earth's history and illustrations of processes in action in the development of the scenery of the Northwest in general, and B.C. in particular. (1,2)

GEOG 171-3 PROSPECTING I: INTRODUCTION TO PROSPECTING

The identification of minerals and rocks, the nature of mineral deposits, claim staking, legal requirements, sampling and field techniques, an introduction to geochemical and geophysical techniques. (1,2)

GEOG 172-3 ADVANCED PROSPECTING

Topics covered will include: review of basic minerals and rock types, introduction to the industrial, strategic and aerospace minerals, interpretation of maps and air photos, mineralization and mineral provinces, geochemical and geophysical prospecting techniques suitable for the prospector. Prerequisites: Geol 171-3, Dept. of Mines Introductory Prospecting Course, or some prospecting experience. (2,4)

GEOG 201-2 ENVIRONMENTAL GEOLOGY

This course will consider the nature and importance of geological information in physical problems of man's interaction with his environment. Topics included are urban geology and natural hazards, pollution and geological processes, and problems associated with natural resource utilization. Prerequisites: Geol 101-3 and Geol 102-3, or permission of the instructor. (2,0)

HISTORY

HIST 101-3 WORLD HISTORY: THE EARLY TWENTIETH CENTURY

After a brief introduction to general problems of historical investigation, this course treats world history of the early twentieth century through a detailed study of one or two historical phenomena of universal significance. The First World War, the Russian Revolution, the emergence of the United States as a "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 History 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. Prerequisite: History 12 or any college history course. (3,0)

HIST 202-3 TWENTIETH-CENTURY EUROPEAN THOUGHT

This course examines the ideas of a series of European thinkers of the modern period on politics, society, economics, religion, and science. Prerequisite: History 12 or any college history course. (3,0)

HIST 211-3 LOCAL HISTORY SEMINAR

After an introduction to the techniques of historical research and their application in local history, each student in the seminar will create a research paper based on primary sources relating to the history of one community or area in the Northern Interior of British Columbia. Prerequisite: History 103-3 and History 104-3.

NOTE: Applicants with a long-standing interest in local history may be admitted without the prerequisite courses at the discretion of the instructor. (3,0)

MATHEMATICS**MATH 020 BASIC PREPARATORY MATHEMATICS**

This course is a review of basic operations in whole numbers, fractions, decimals, and percentages. Prerequisites: A basic familiarity with our number system.

MATH 030 INTERMEDIATE PREPARATORY MATHEMATICS

This course will cover an introduction to metric measurement, ratio and proportion, roots and powers, manipulation of formulae, and an introduction to algebraic concepts.

Prerequisites: Grade 8 Mathematics or Mathematics 020.

MATH 040 ADVANCED PREPARATORY MATHEMATICS

The topics covered in this course are algebra; factoring; exponents; radicals and logarithms; graphing; solution of linear, simultaneous, and quadratic equations; analytic or practical geometry; formulae; trigonometry; or business topics.

Prerequisites: Grade 10 Mathematics or Mathematics 030.

MATH 100-3 COLLEGE MATHEMATICS

The topics in this course include an intensive review of algebra, followed by the Binomial Theorem, functions and relations and their graphs, inverse functions, analytic geometry, conics, and trigonometric functions.

Prerequisites: Grade 11 academic Math or permission of instructor. (3,1)

MATH 101-3 CALCULUS I

An introduction to the concepts, techniques, and applications of differential and integral calculus.

Prerequisites: Math 12 or equivalent. (3,1)

MATH 102-3 CALCULUS II

A continuation of Math 101-3.

Prerequisite: Math 101-3 (3,1)

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.

Prerequisites: Math 12 (Math 11 or less with permission of Instructor) (3,0)

MATH 104-3 INTRODUCTION TO STATISTICS

Descriptive statistics, elementary probability theory, statistical inference and the practical application of these topics are emphasized. (3,0)

MATH 150-3 BASIC MATHEMATICS

A summary of basic mathematics. Topics include arithmetic operations, the use of formulas and tables, algebra, and plane geometry. Students successfully completing this course will receive the letter grade S. (3,0)

MATH 151-3 TECHNICAL MATHEMATICS I

Topics will be drawn from the following general areas: functions and their graphs, exponents and logarithms, quadratic equations, plane geometry, trigonometry with applications, vector analysis with applications.

Prerequisites: Math 150-3, or permission of the instructor. (3,0)

MATH 154-3 MATHEMATICS OF FINANCE

An introductory course including simple interest, simple discount, compound interest, annuities, amortization, sinking funds, depreciation, and bonds. (3,0)

MATH 157-3 AN INTRODUCTION TO BUSINESS STATISTICS

This course is an introduction to statistics as they apply to business. (3,0)

MATH 161-3 MEDICAL LAB TECHNOLOGY MATHEMATICS I

Fast review of algebra, linear and quadratic equations, systems of equations, function, logarithms, logarithmic and exponential functions with applications. The use of electronic calculators.

Prerequisites: Math 12 (3,0)

MATH 162-3 MEDICAL LAB TECHNOLOGY MATHEMATICS II

Graphs, slopes, the derivative, techniques of differentiation, integrals, techniques, simple differential equations, med lab applications.

Prerequisites: Math 161-3 (3,0)

MATH 201-3 CALCULUS III

Algebra and Geometry of IRN, vector functions and their derivatives, functions of several variables, partial differentiation, gradient, derivatives as linear maps, implicit function theorem.

Prerequisites: 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.

Prerequisites: 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.

Prerequisites: At least a "B" in Math 101-3 or Math 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 211-3 COMPUTING SCIENCE I

Introduction to computing science, history, binary number system, machine structure, flow charting, machine language, basics of an algebraic language.

Prerequisite: Math 12 preferred.

Corequisite: Math 101-3 or permission of instructor. (3,1)

MATH 212-3 COMPUTING SCIENCE II

Introduction to an algebraic language with applications to numerical methods, sorting, statistics, and simple physical models.

Prerequisites: Math 211-3 or permission of the instructor.

Corequisite: Math 102-3. (3,1)L

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 & Math 204-3 (Math 201-3 recommended) (3,0)

HUMANITIES PROGRAM**HUM 109-9 HUMANITIES I**

A non-disciplinary program of liberal education.

Prerequisite: Permission of the instructors. (9,3)

HUM 102-9 HUMANITIES II

A continuation of Humanities 101-9

Prerequisite: Humanities 101-9 or permission of the instructors. (9,3)

HUMANITIES

Humanities is a non-disciplinary program based on a reading list of significant works of literature, philosophy, history, etc. The program and reading list are organized around a general theme, but within the program there are no barriers between subject areas. The program is designed to provide the first-year student with comprehensive practice in reading major works intelligently and in thinking, talking, and writing about those works. Considerable emphasis is placed on essay-writing; five major essays per semester are required.

Humanities is a team-taught by two or more instructors of different academic specialization. The instructors use both lecture and seminar formats and meet frequently with students on an individual basis to assess progress and help with difficulties.

A limited number of students will be accepted into the Humanities program. The program carries credit for three courses per semester and demands a proportionate amount of student's time. In order to receive credit for a full first year, the student must take two additional regular courses each semester.

Students interested in this program should obtain a more detailed outline from either the counsellors or one of the Humanities instructors.

NOTE: The Humanities program is most beneficial to the student who remains in the program for both semesters (i.e. Humanities 101-9 and 102-9). Students who enter the program in the Fall semester are strongly encouraged to commit themselves to remaining in the Humanities program for both Fall and Spring semesters.

MEDICAL LABORATORY TECHNOLOGY**MLT 151-3 MEDICAL LABORATORY ORIENTATION I**

A critical review of the basic theory and use of microscopes, balances, centrifuges and other laboratory instruments.

Corequisites: Physics 105-3, Chemistry 103-3, Mathematics 161-3. (2,1)

MLT 152-3 MEDICAL LABORATORY ORIENTATION II

A continuation of MLT 151 with emphasis on use and care of precision instruments in volumetric analysis, etc.

Prerequisites: MLT 151-3.

Corequisites: Physics 106-3, Chemistry 154-3, Mathematics 162-3. (2,1)

MUSIC**MUS 103-3 HISTORY OF MUSIC I**

A study of the historical development of music from the Greek period through the Baroque, emphasizing recordings and score study. Major emphasis is given to the Renaissance and Baroque style periods. Some correlation given to other art disciplines.

(3,0)

MUS 104-3 HISTORY OF MUSIC II

A continuation of Music 103-3, covering the development of musical forms, styles, and techniques from 1750 to present.

Prerequisite: Music 103-3. (3,0)

PHILOSOPHY**PHIL 101-3 MORAL PHILOSOPHY**

An introduction to philosophical analysis through the consideration of problems in moral philosophy. Questions to be discussed include: "What do disagreements in moral judgment mean?" "Is there an objective basis for moral judgment?" (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 204-3 LOGIC

An introduction to the elements of formal logic, a study of the application of logical techniques to argument, and investigation of concepts involved in these techniques, e.g. argument, implication, validity, fallacy, truth, logical form, and the evaluation of arguments in ordinary language. (3,0)

PHIL 205-3 SCIENTIFIC METHOD

An examination of the scientific method and its use, and discussion of the grounds for empirical knowledge. (3,0)

PHYSICAL EDUCATION**P.E. 101-2 BASKETBALL**

An introduction to the skills, rules, offensive/defensive strategies, teaching methods and techniques of basketball. (1,2)

P.E. 102-2 OUTDOOR ACTIVITIES

An introductory course in orienteering, downhill skiing, cross country skiing, and snowshoeing. Emphasis will be on methods and teaching techniques for beginners. (1,2)

PHYSICS

PHYS 030 INTRODUCTION TO PHYSICS

An introduction to the fundamental principles of physics. Includes such topics as simple machines, electricity, magnetism, and heat.

PHYS 040 ADVANCED PREPARATORY PHYSICS

Basic physics at a grade 11-12 level. Topics include mechanics, electricity, magnetism, wave motion, heat, light, and sound.
Prerequisites: Mathematics 030, Physics 030, or the equivalent.

PHYS 101-3 INTRODUCTORY PHYSICS I

Mechanics including vector, linear kinematics, circular motion, dynamics, energy, momentum, relatively, SHM, gravity, properties of matter, temperature, heat, simple kinetic theory, introductory thermodynamics.

Prerequisites: Math 12 and Physics 12 (or permission of instructor)
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.

Prerequisites: Physics 101 (or Physics 105 with permission of instructor).
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.

Prerequisite: Math 11 (3,3)L

PHYS 106-3 GENERAL PHYSICS II

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

Prerequisite: Math 11 (3,3)L

PHYS 131-3 INTRODUCTION TO ASTRONOMY

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

PHYS 201-3 THERMODYNAMICS AND WAVES

The topics studied include temperature, heat transfer, laws of thermodynamics, entropy and disorder, waves and sound.

Prerequisite: Physics 105-3 or 101-3. (3,0)

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.

Prerequisite: Physics 102-3 or 106-3. (3,0)

PHYS 203-2 GENERAL LAB

A series of experiments designed to demonstrate concepts of mechanical, electrical, heat and modern physics. Experiments include the use and design of meters, LCR circuits, temperature measurement, and the determination of a radioactive half-life. One experiment is designed by the student.

Prerequisites: Physics 101-3 and 102-3, or Physics 105-3 and 106-3. (0,6)L

PHYS 204-3 MECHANICS

The topics studied include vectors, kinematics, dynamics of a particle, moving reference systems, special theory of relativity, central forces and particles of rigid bodies, Lagrange's equations (optional) and vibrations.

Prerequisites: Physics 101-3 or 105-3, Math 101-3. (3,0)



POLITICAL SCIENCE

POSC 101-3 INTRODUCTION TO POLITICAL SCIENCE I

An examination of concepts and issues in Political Science, through lectures, discussions, readings, and research papers. (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. (3,0)

POSC 201-3 THE GOVERNMENT OF CANADA

An examination of the institutions and processes of Canadian government. Analysis will be made of the Canadian social structure and political culture; parties, pressure groups and social movements; the legislative, executive, and judicial aspects of government; federalism.

(3,0)

POSC 202-3 SELECTED PROBLEMS IN CANADIAN POLITICS

A study in depth of the major issues in Canadian politics: federalism in theory and practice, nationalism and political nationality, cultural duality, separatism and regionalism, and similar issues of interest to students. (3,0)

POSC 203-3 CONTEMPORARY IDEOLOGIES

A study of the major political ideologies such as nationalism, conservatism, liberalism, socialism, anarchism, communism, fascism, democracy, and the new left. (3,0)

POSC 204-3 POLITICS AND SOCIAL LIFE

An introduction to theories and methods of political analysis and their application to the study of social, cultural, and psychological context of political behaviour. (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 Psychology 101. Topics will include intelligence and intelligence testing, personality assessment, motivation, emotion, mental health and behavioural disorders, psychotherapy, and Social Psychology.

Prerequisite: Psychology 101-3.

(3,0)

PSYC 151-3 GENERAL PSYCHOLOGY I

This general survey course includes topics such as a brief history of psychology, elementary experimental design, the nervous system, sensation and perception, learning motivation, and emotion.

(3,0)

PSYC 152-3 GENERAL PSYCHOLOGY II

Topics include thinking, language, intelligence and intelligence testing, personality theories and assessment, mental health, behavioural disorders and social psychology.

Prerequisite: Psychology 151-3.

(3,0)

PSYC 157-1 INDUSTRIAL PSYCHOLOGY AND HUMAN RELATIONS I

This course deals with selected components of psychology from the perspective of the principles involved. Topics include: Communication, Motivation, Needs, Satisfaction of Needs, Frustration, Conflict, Personality, Personality Assessment, and Psychological Testing.

(1,0)

PSYC 158-1 INDUSTRIAL PSYCHOLOGY & HUMAN RELATIONS II

Industrial psychology from the perspective of the principles involved, the underlying psychological components and the ethical nature of their application. Topics covered include: Social Psychology, Organizations, Supervision and Labor-Management Relations.

Prerequisite: Psyc 157-1

(1,0)

PSYC 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.

Prerequisites: Psychology 101-3 and 102-3; Grade 12 Math or first year College math.

Corequisite: Math 103-3 or 100-3 (if prerequisite is not met)

(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.

Prerequisite: Psychology 201-3.

(3,3)

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.

Prerequisites: Psychology 101-3 and 102-3.

(3,0)

PSYC 204-3 DYNAMICS OF BEHAVIOUR II

A continuation of Psychology 203-3. Topics include mentally normal and abnormal behaviours, assessment of these behaviours through psychological testing, and different types of treatment of abnormal behaviour.

Prerequisites: Psychology 101-3, 102-3 and 203-3.

(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, psycho-motor, affective and conative development.

Prerequisites: Psychology 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 development during these periods.

(3,0)

PSYC 207-3 PSYCHOPATHOLOGY

This course will enable students to develop a knowledge and understanding of all forms of psychological abnormalities against the settings in which they occur, pointing out the relationships between environmental and hereditary factors, and observed behaviours.

Prerequisites: Psychology 101-3 and 102-3.

NOTE: Students in Psychology 207-3 are not advised to take Psychology 204-3.

(3,0)

PSYC 251-3 ABNORMAL PSYCHOLOGY

This course is designed to enable students to identify relevant variables involved in the development of symptom patterns and to point out problems in the identification of pathological behaviour.

(3,0)

RECREATION

REC 151-0 BADMINTON

Beginning skills and the techniques of badminton. Includes singles and doubles play, instruction in the basic skills, and the rules of play.

REC 152-0 RACQUETBALL-HANDBALL

An introduction to the basic skills, rules and strategy of racquetball. Handball may be included. Equipment supplied.

REC 153-0 CROSS-COUNTRY SKIING - SNOWSHOEING

A practical introduction to the basic skills and techniques of cross-country skiing, maintenance and waxing of skis. Includes several ski tours of local cross-country trails. Equipment supplied.

REC 154-0 DANCE

This program is designed to introduce the skills and enjoyment of ballroom and folk dancing. Content will include the Tango, Samba, Fox Trot, Waltz, Cha Cha, and Western style square dance.

REC 155-0 KEEP FIT CLASS

Through the use of enjoyable exercises and games, participants will be instructed in the methods of obtaining and maintaining physical fitness. Simple pre and post fitness tests will be provided to measure improvement.

SCIENCE

SCI 041 GENERAL SCIENCE

A general science program designed to meet the science requirements of students entering a vocational program who will not need any further science. Includes a study of several basic fundamentals of Biology, Chemistry, Physics and Geology.

SOCIAL WORK

SOWK 201-3 SOCIAL POLICY

An introduction to social work as it applies to Canadian Welfare.

(3,0)

SOWK 202-3 SOCIAL WORK - THE PROFESSION

A history of social work, ethical standard, and the values of social work.

(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

Continuation of Sociology 101; an analysis of the structure and function of social institutions, such as the family, religious institutions, education, economic institutions, political structure, and theories of social change.

Prerequisite: Soc. 101-3.

(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: Sociology 203-3.

(3,0)

SPANISH

SPAN 101-3 INTRODUCTION TO SPANISH I

An audio-lingual introduction to Spanish, designed to equip the student with the basic knowledge for communicating in Spanish. (3,1½)

SPAN 102-3 INTRODUCTION TO SPANISH II

A continuation of Spanish 101-3.

Prerequisite: Spanish 101-3.

(3,1½)

SPAN 151-3 CONVERSATIONAL SPANISH

An introduction to practical conversation based on an active audio-lingual method. At the same time giving the student some appreciation of the life and the culture of Latin-America and Spain.

SPAN 201-3 INTERMEDIATE SPANISH I

A review of basic structures of Spanish and readings in Spanish and Spanish conversation.

Prerequisite: Spanish 102-2.

(3,1½)

SPAN 202-3 INTERMEDIATE SPANISH II

A continuation of Spanish 201-3.

Prerequisite: Spanish 201-3.

(3,1½)

SURVEYING

SURV 150-2 SURVEYING I

A study of basic field surveying methods, notes and their interpretation. Included are the types of surveying instruments and practical use. Measuring distances, levels, traverses and other elements of plane surveying will be covered. The course is intended to familiarize the student with surveying techniques used in construction and road location. (1,3)

SURV 151-2 SURVEYING II

A continuation of Surveying I to study the surveying techniques used in construction and road location. (1,3)

ZOOLOGY

ZOO 201-3 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: Biology 101-3 and 102-3.

(3,3)

ZOO 202-3 DEVELOPMENTAL BIOLOGY

A brief introduction to the principles of embryology and a survey of developmental anatomy and physiology of the vertebrates.

Prerequisites: Biology 101-3 and 102-3.

(3,3)

FACULTY & ADMINISTRATION (January 1977)

J. Allgaier	B.A., M.A.	English
E. Anderson	B. Sc.	Medical Laboratory Technology
L. Anderson	I.D.	Welding
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W. Blits	I.D.	Small Engine Repair
W. Broeksma		Millwright
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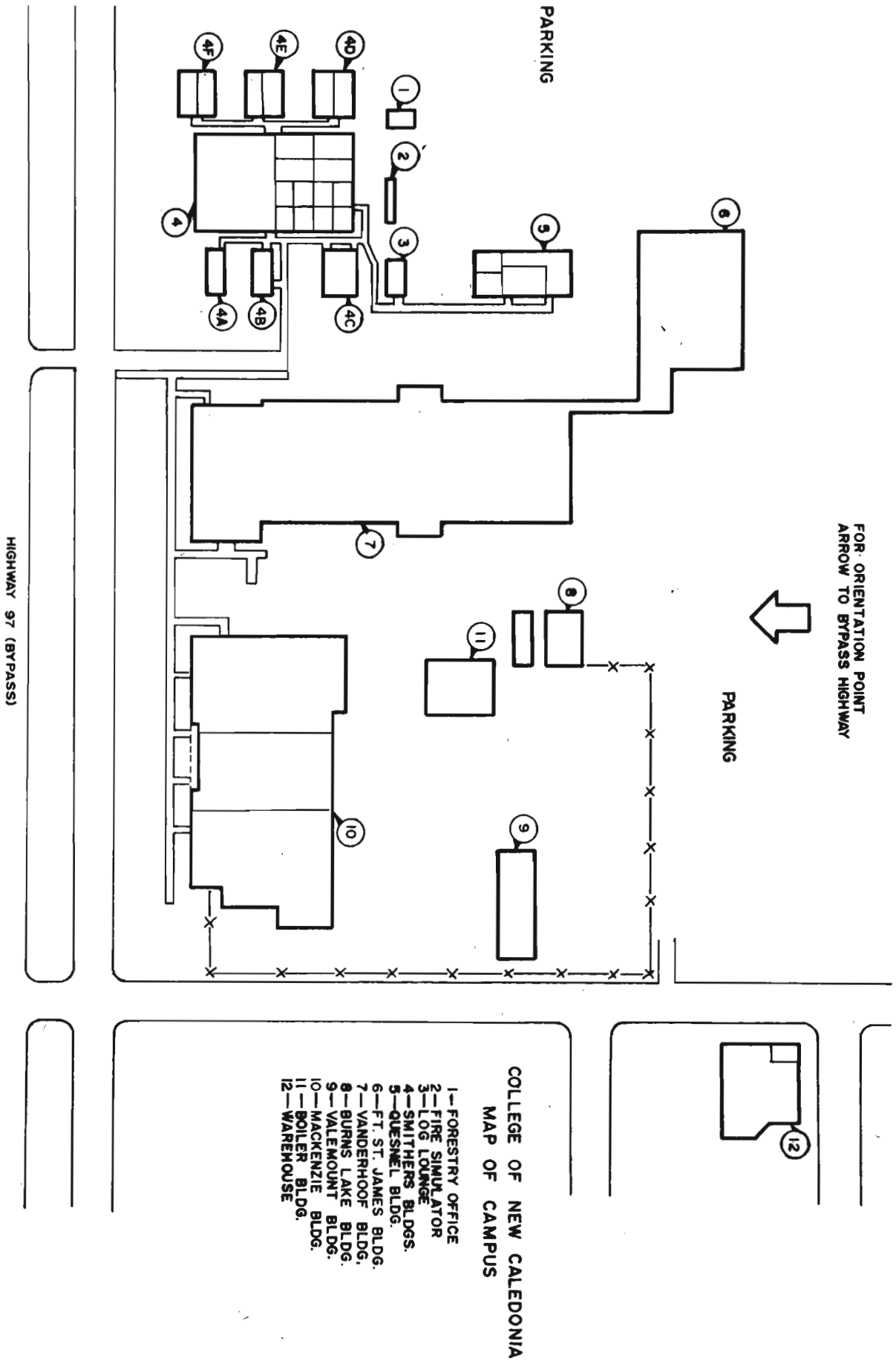
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THE COLLEGE OF NEW CALEDONIA

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