



CALENDAR 1975/76



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

1975-1976 COLLEGE CALENDAR

Aug. 11 – 15	Advance registration for returning student.	Dec. 19	Last day of classes.
Aug. 16 – 20	Registration and interviews for incoming students.		University Transfer and Technical Program.
Aug. 18 – 22	Advance registration for University Transfer and Technical students.		Note: Some sponsored students may be required to attend classes Dec. 22 to 24 and Dec. 29 to 31.
Aug. 25	Registration and Industrial Orientation commences for First Year Forest Resource Technology students.	Dec. 25 – 26	College closed.
Aug. 25 – 30	Registration for all incoming students.	Jan. 1	College closed.
Sept. 1	Labour Day, College closed.	Jan. 5	Classes re-commence for continuing courses, Vocational and specified Technical Programs. (Students in Technical Programs will be advised in December as to January commencement date).
Sept. 2	The following programs commence: Dental Assisting, Drafting, Welding, Practical Nursing, Diploma Nursing, Second Year Forestry, Small Engine Repair, Construction Technology, Commercial General, Basic Training for Skills Development, Log Building Construction, Logging, Business Administration, Electronic Data Processing.	Jan. 12	University Transfer and all Technical Programs commence.
Sept. 2 – 6	Registration for University Transfer during this period. Students entering University Transfer and Technical Programs are advised to familiarize themselves with campus facilities and contact the C.N.C. Counsellors or Faculty if they have any questions regarding course prerequisites or content.		N.B. Fees are due and payable at time of Registration.
Sept. 8	University Transfer and remaining Technical Programs commence.	Jan. 26	Or 14 days after course has commenced: Last day for refund of 80% of Spring Semester tuition fees.
	Last day for late Registration in University Transfer, Technical, and Community Education Services Courses and Programs is 14 days after the first day of classes.	Feb. 9	Or 28 days after course has commenced: Last day for refund of 50% of Spring Semester tuition fees.
	Last day for Course, Section or Program changes is 14 days after Course, Section or Program has commenced. The only exceptions made will require written permission from a C.N.C. Counsellor and all Faculty concerned with the Course, Section or Program change. (Students changing Laboratory Sections must receive permission from the Instructor and the Lab Demonstrator).	Mar. 19	Last day to withdraw from courses in University Transfer courses in University Transfer and Technical Program without incurring an "F" Grade.
Sept. 22	Or 14 days after course has commenced. Last day for refund of 80% of Fall Semester tuition fees.	Mar. 31	Last day for application for Certificates or Diplomas at end of Spring Semester.
Oct. 6	Or 28 days after course has commenced: Last day for refund of 50% of Fall Semester tuition fees.	Apr. 16	Good Friday, College closed.
Oct. 13	Thanksgiving day – College closed.	Apr. 19	Easter Monday – College closed.
Nov. 11	Remembrance Day – College closed.	Apr. 23	Last day of classes, Forest Resource Technology.
Nov. 21	Last day to withdraw from courses in University Transfer and Technical Programs without incurring an "F" Grade.	Apr. 26	Forest Resource Technology (2nd year students) Field School Commences.
Nov. 24	Pre-registration interviews for Spring Semester begin.	Apr. 26	Forest Resource Technology (1st year students) twelve day field trip commences.
Dec. 8 – 12	Advance Registration University Transfer and Technical Programs.	Apr. 30	Last day of classes, Spring Semester University Transfer and Technical Programs.
		May 21	Intersession course dates are established during April. Contact student services for commencement details.
		May 24	Last day of Logging School for 2nd year Forest Resource Technology students.
		July 1	Victoria Day – College closed.
		Aug. 2 – 13	Confederation Day – College closed.
			Pre-registration for returning students.

PRINCIPAL'S STATEMENT

The College of New Caledonia is a comprehensive Regional College offering courses and programs in the following areas: Arts and Science, Technical and Vocational. It provides first and second year University equivalence, one and two year technical programs, vocational programs of varying lengths, as well as an extensive extension and Community Services program.

Students of all ages and backgrounds are welcome at CNC, where the emphasis is on excellent teaching, not on research. Highly qualified faculty members, selected because of their formal and practical educational experiences, provide students with individual attention and unique opportunities to learn.

The governing body of the College, the College Council, together with students, faculty and staff, cooperate closely in the everyday activities and long-range planning of the institution. The various supporting school boards, advisory and articulation committees also make significant contributions to CNC.

In September, 1975, the College will begin its seventh year of operation. As in the past, the emphasis at CNC will be on "open doors", small classes, close instructor-student relationships, and a concern for persons as individuals.

Students will find a warm welcome at the College of New Caledonia – a community of learners.

F. J. Speckeen,
Principal

A COMPREHENSIVE COMMUNITY COLLEGE

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

It serves primarily the five school districts that comprise the College Region: School Districts 28 (Quesnel), 54 (Smithers), 55 (Burns Lake), 56 (Nechako), and 57 (Prince George). In addition, many students from Northern and North Western B.C. and from the Yukon attend the College.

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

General Studies programs

Community Education Services



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.

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 College 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 nine million dollars to construct and equip additional facilities on the campus.

Presently under construction are a new Food Services facility, Library, Gymnasium/Recreation complex, a Shop addition, and Classroom and Lab facilities. It is anticipated that part of the new facilities will be opened during the 1975/76 academic year with the balance being completed by the beginning of the 1976/77 academic year.

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

It is anticipated that a variety of new courses in the hospitality industry in particular the food services field, plus other technical programs will be offered once the new facilities have been completed.

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 and Faculty associations respectively.

The College Principal is solely responsible for the operation of the College. The Principal receives information and recommendations from a variety of College Committees 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 1975

- MR. R. AFFLECK – PRINCE GEORGE
- MR. J. WM. BRYANT – SMITHERS
- MR. F. DINGWALL – VANDERHOOF
- MRS. M. KNOERR – SMITHERS
- MRS. N. RANDALL – QUESNEL
- MRS. C. S. JOHNSTON – QUESNEL
- MR. J. FINNIGAN – PRINCE GEORGE
- MR. L. THURBER – GRANISLE
- MR. M. VAN ADRICHEM – PRINCE GEORGE
- MR. V. MONTALDI – BURNS LAKE
- MRS. P. CLARK – VANDERHOOF
- MR. L. DENTER – SECRETARY-TREASURER
AND BURSAR
- DR. F. J. SPECKEEN – EX-OFFICIO, PRINCIPAL
- MR. G. POWERS – FACULTY ASSOCIATION
REPRESENTATIVE
- MR. D. YOUNG – STUDENT ASSOCIATION
REPRESENTATIVE



An artist's conception of the C.N.C. campus when proposed buildings are completed in 1976. This perspective is looking Southeast.

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 one month 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.

REGISTRATION

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

Note Canada Manpower purchases spaces in most 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.
Commercial Programs	Grade 10 minimum, Grade 12 preferred
Dental Assistant	Grade 12. Biology 11 recommended
General Drafting	Grade 12. Preference is given to applicants with Drafting 11 and 12.
Heavy Duty Mechanics	Grade 12 preferred with industrial courses, Grade 10 minimum.
Practical Nursing	Grade 12. Biology 11 recommended. Candy Striper or other hospital experience an asset.
Small Engine Repair	Grade 12 with industrial courses preferred. Grade 10 minimum.
Welding	Grade 12 with industrial courses. Grade 10 minimum.

FEES — (all vocational students must pay a \$1 registration fee at time of registration. Fees must be paid in advance).

Tuition

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.

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) 10.00

Tool Deposit (where applicable) 10.00

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.

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, provided they complete the program to the satisfaction of the Dean of the program.

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 who wish to withdraw from a program must complete the withdrawal form available from the Student Services Office. Refunds due will not be released until the student has completed the withdrawal form.



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: 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 enrolment in specific College programs.

There are three main areas of study:

Communications, Applied Mathematics, Basic Science

The program offers training at three levels:

- a) up to grade 8 equivalency.
- b) up to grade 10 vocational equivalency.
- c) up to grade 12 vocational 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.

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
ENG 020	MATH 020	SCIENCE 030
ENG 030	MATH 030	BIOLOGY 040
ENG 040	MATH 040	CHEMISTRY 040
		PHYSICS 040

N.B. Courses numbered 020 are up to Grade 8 equivalency
 " " 030 are up to Grade 10 equivalency
 " " 040 are up to Grade 12 equivalency

Pages 20 to 34 contain complete course descriptions of C.N.C. preparatory programs. The Calendar indicates all C.N.C. programs and courses requiring these or secondary school prerequisites.



GENERAL 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 craftsman who will 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 as junior draftsmen. 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 eye-sight and hand-eye coordination, an analytical mind, creative ability, and patience to give undivided attention to detail.

Commencement Date: September

Length of Course: 10 months

College Credit: 45 semester hours.

COMMERCIAL PROGRAMS

A variety of commercial 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 fulltime 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 CNC certificate are indicated in the following chart.

Admission Requirements:

Grade 10 required. Students with a 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 pro-rated for credit purposes.

CNC COMMERCIAL PROGRAMS

	CLERICAL	STENOGRAPHIC	SECRETARIAL	JUNIOR BOOKKEEPING	INTERMEDIATE BOOKKEEPING	ACCOUNTING
Typing	40 wpm	50 wpm	55 wpm	30 wpm	30 wpm	30 wpm
Dictaphone Shorthand	Op.	X 80 wpm	X 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 Machine				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
Commercial Law						X
Report Writing						X
Business Mathematics						X
Data Processing						X
Key Punch				Op.	Op.	Op.





DENTAL ASSISTANT

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 twenty-four hour St. John's First Aid program is included as a night school class.

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 preferred.

General: Dental Office experience would be an advantage.

Commencement Dates: September. Application deadline June 1

Length of Course: 10 months.

College Credit: 45 semester hours.

Expenses: Text books, safety glasses, uniforms, shoes and supplies approx. \$200.



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 young men 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

Starting Dates:

October —
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

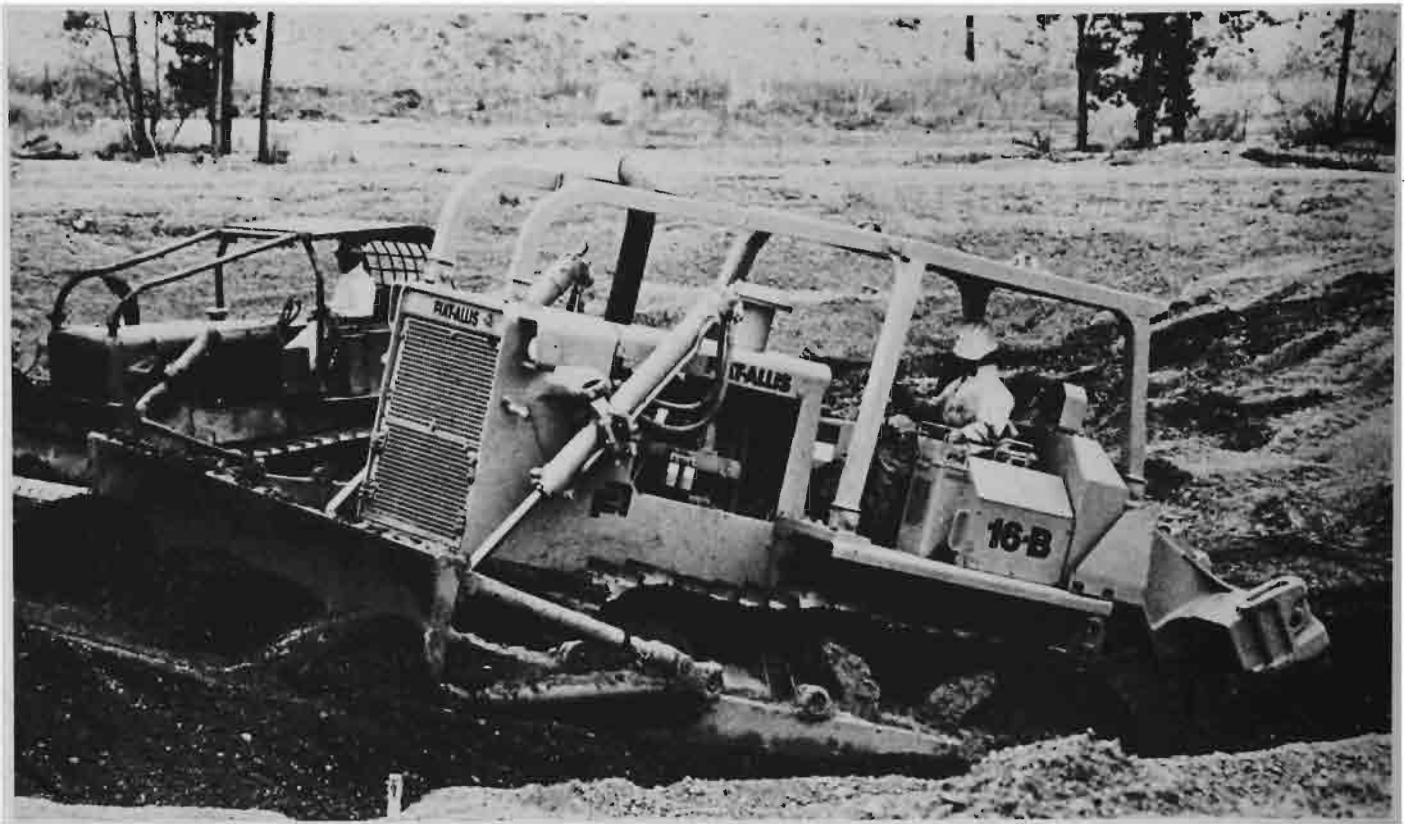
Mechanical aptitude

16 years of age and over

POWER ENGINEERING

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

C.N.C. hopes to offer this program commencing in September 1975; course descriptions, program intent information, admission requirements, and other details will be available at Student Services by June 1st, 1975.



HEAVY EQUIPMENT OPERATOR

Students learn to operate bulldozers and various other machines including graders, front end loaders, and motor scrapers. Routine maintenance of machinery and the practical field operations of excavating, land clearing, grading and road building are included. In addition, two evenings per week are devoted to courses on basic welding and air-brakes. This enables a student to secure the theory requirement for the Department of Transport Air Ticket.

Requirements for Admission:

- Education:** This course requires no special educational standing as a prerequisite. It would be to the applicant's advantage, both on course and in securing employment, to have completed Grade ten.
- General:** Applicants must be a minimum of 19 years of age, physically suitable and able to adapt to rugged working conditions. Persons with some previous industrial experience are preferred.

Length of Course: 16 weeks

College Credit: 18 semester hours

Dress: The student must have safety footwear and clothing suitable for the work involved and weather conditions at the time of training. Coveralls and safety hat are available on a loan basis.

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 instructions at the Prince George Regional Hospital.

Requirements for Admission:

- Education:** Grade 12 with Grade 11 Biology preferred, or mature student status.
- General:** Applicants must be at least 17 years of age, possess a sincere desire to nurse and have the personal qualities suited to the work of the practical nurse. Previous hospital experience is an asset.

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: Uniforms are supplied. Students must supply white shoes and stockings and a sweep second hand watch.



LOG BUILDING CONSTRUCTION

This one semester course is designed to give the student a practical and comprehensive background in building with logs.

The Course of Instruction Includes:

- Tree Selection
- Care and Maintenance of Tools and Equipment.
- Log Building Design.
- The Three Methods of Building with Logs.
- Construction Principles used in Building with Logs.
- Rope Splicing and Tree Rigging Techniques.

Classes commence in September and January of each year.

Applicants should note that the Log Building Program is a serious trades training course of studies incorporating a superior construction methodology.

Due to a large response to this program, prospective students are advised to apply well in advance of the above dates.

The Program

This is a practical course of instruction in which the student spends 80% of his time on the actual job site.

The program starts from the "ground up" and acquaints the student with all facets of building with logs.

Students are given the opportunity and encouraged to design their own log building.

Admission Requirements

There are no specific admission requirements for the Log Building Program but students with previous construction experience will find this experience an asset.

General

Applicants must be 18 years of age or over and be in good health and physical condition.

As this program is conducted on the site, students are required to provide suitable clothing for working outdoors during the winter months.

In practical terms of income and career, this course is intended to graduate master-builders capable of meeting the growing demand for this type of tradesman. C.N.C. also encourages applications from experienced people in the construction industry, who, after graduation, might consider teaching this program in other Educational Institutions.

Students completing the Log Building Program and intending to use their acquired skills for trades purposes, should be prepared to purchase tools and equipment to the value of \$500.00.

LOGGING

A six week pre-employment instructional program on Central Interior logging methods.

Training is given at a field logging site where instruction includes:

- Woods Safety
- Workers' Compensation Regulations
- Identification and Sorting of Wood Species
- Fire Protection and Suppression
- Operation and Maintenance of –
 - Power Saws
 - Skidders
 - Front-end Loaders

Graduates may find employment as chokermen, buckers, fallers, skidder or loader operators.

Requirements for Admission:

- physically suited for working in the woods.
- literate in English.
- over seventeen years of age.

Students must provide work clothing suitable for the weather conditions at the time of training.

Safety hat, rubber caulk boots, snowshoes and textbooks can be provided on a loan basis as required.

Commencement: Weekly as space permits.

Length: Six weeks.

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, motor cycle 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 men 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 dates: 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.

TECHNICAL (CAREER) PROGRAMS

ADMISSION REQUIREMENTS

GENERAL ACADEMIC REQUIREMENTS:

Students eligible for admission are those who:

- 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,
- 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 academic record.

TECHNICAL 1 or 2 year programs

Program of studies in:

Business Administration
Construction Technology
Data Processing
Diploma Nursing

Early Childhood Education
Forest Resource Technology

Medical Laboratory Technology

RECOMMENDED SECONDARY SCHOOL COURSES

Bookkeeping 11, Math 11
Physics 11, Math 11
Bookkeeping 11, Math 11
Chemistry 11, Biology 11,
Math 11, and one science 12,
(Biology 12 preferred)
Child Care 12
Math 11, Biology 11,
Drafting 11
Math 12, Chemistry 11,
Chemistry 12 and one other
Science 11



ADMISSION PROCEDURES

STUDENTS ENROLLING IN COURSES FOR CREDIT

NEW STUDENTS

- (i) Apply to Student Services office for an application form and attach 2 copies of your Secondary School or post-secondary transcripts.

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 transcripts should be submitted to the College at least two weeks before the beginning of the semester to which admission is sought.
- (iii) Arrange for a pre-registration interview with a College counsellor. Interviews will be conducted throughout the region. Local secondary schools have information on the dates interviews will be conducted in each community.
- (iv) Following the pre-registration interview, 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) 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.

LATE REGISTRATION

Students who are unable to register at the specified time may register up to the date indicated in the College Calendar as the last date for late registration.



BUSINESS PROGRAMS

C.N.C. offers three separate business programs. Advice and counseling 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 departments of the university to which the student intends to transfer. For further details see page 17.

DIPLOMA IN GENERAL STUDIES – Business Option

Students may select courses from both the University Transfer and Technical areas and devise their own program to suit their own specific needs. For further details see page 35.

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.

Required Secondary School Courses: Math 11

Recommended: Bookkeeping 11

THE COURSES – DIPLOMA IN BUSINESS ADMINISTRATION

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
Career Economics I	ECON 153-3
Human Relations	PSYC 153-3
Semester 2	
Accounting II	BUS 152-3
Business Fundamentals II	BUS 154-3
Computer Programming I	EDP 152-3
Effective Communication II	ENGL 152-3
Career Economics II	ECON 154-3
Mathematics of Finance	MATH 154-3
Semester 3	
Financial Management I	BUS 257-3
Business Statistics	MATH 157-3
Plus four electives selected from:	
Intermediate Accounting I	BUS 251-3
Cost Accounting I	BUS 253-3
Marketing I	BUS 271-3
Human Problems of Management	BUS 274-3
Systems Analysis	EDP 253-3
Business Uses of the Computer	EDP 255-3
Industrial Relations	BUS 164-3
Social Science Elective	(3)
Semester 4	
Business Law	BUS 163-3
Management	BUS 255-3
Financial Management II	BUS 258-3
Plus three electives selected 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 Application II	EDP 256-3
Social Science Elective	(3)

Many of the courses in the Business Administration and Data Processing Programs are acceptable as exemptions on the Chartered Accountants' and Industrial Accountants' courses of instruction. Also exemptions may be granted on the Certified General Accounts' 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.

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.

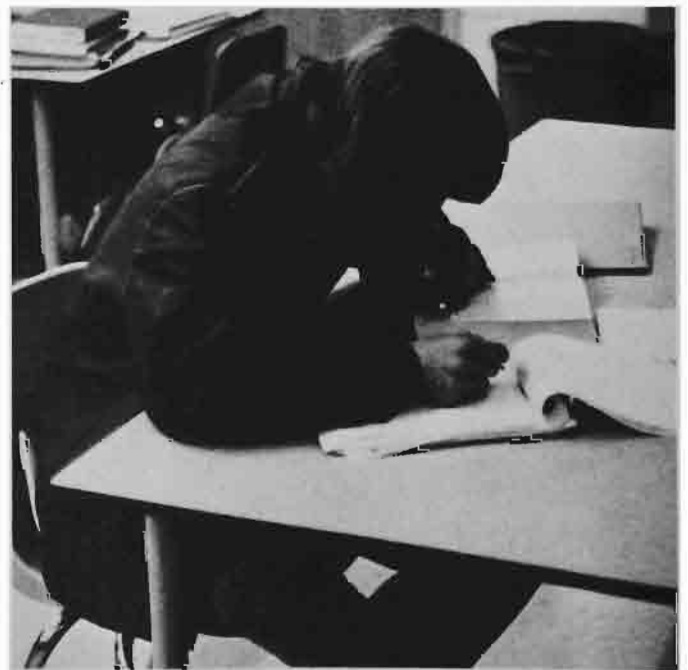
The program is intended to conform to the requirements of the Data Processing Management Association and to enable the students, with further study and experience to qualify for the professional certificate in Data Processing.

Required Senior Secondary School Courses: Math 11

Recommended: Bookkeeping 11

THE COURSES

Semester 1	
Accounting I	BUS 151-3
Business Fundamentals I	BUS 153-3
Data Processing Fundamentals	EDP 151-3
Effective Communications I	ENGL 151-3
Career Economics I	ECON 153-3
Human Relations	PSYC 153-3
Semester 2	
Accounting II	BUS 152-3
Business Fundamentals II	BUS 154-3
Computer Programming I	EDP 152-3
Effective Communications II	ENGL 152-3
Career Economics II	ECON 154-3
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 Uses of the Computer	EDP 255-3
Statistics	MATH 157-3
Business Elective	(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 Applications of the Computer	EDP 256-3
Business Elective	(3)



DIPLOMA NURSING

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 1975; course descriptions, program intent information, admission requirements, and other details will be available at Students Services by June 1st, 1975.

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.

The course of study includes construction materials, soil, concrete, aluminum, steel, wood, masonry, plastic, glass; drafting and blueprint reading, communications management, surveying, estimating, scheduling and industrial relations. Building regulations and building codes will be covered throughout the course where such information is necessary. Electives provide an opportunity for students to select a course of studies that will prepare him for office work or field work.

Opportunities will be provided for employment between the second and third semesters for on-the-job experience which will assist the student in finding permanent employment after graduating.

This program was designed with the assistance and co-operation of the Prince George Construction Association of British Columbia and members of the Construction Technology Advisory Committee. The program is being reviewed and is subject to course revision and addition of courses that provide required subject material for successful graduates.

Required Secondary School Courses: Math 11, Physics 11, or permission of the instructor.

CONSTRUCTION TECHNOLOGY

THE COURSES

Semester 1

Introduction to Construction Industry	CONS 150-3
Construction Materials & Application I	CONS 151-3
Drafting Fundamentals	DRAF 153-3
Effective Communication I	ENG 151-3
Technical Mathematics for Construction Technologists	MATH 156-3
Business Fundamentals I	BUS 153-3

Semester 2

Drafting & Blueprints	DRAF 154-3
Construction Materials & Application II	CONS 152-3
Construction Science I	CONS 161-3
Effective Communication II	ENG 152-3
Surveying	SURV 151-2
Plus two electives selected from:	
Construction Business	BUS 158-3
Personnel Administration	BUS 275-3
Business Fundamentals II	BUS 154-3
Career Economics	ECON 153-3

Semester 3

Summer Essay	CONS 270-3
Construction Strength & Design I	CONS 271-3
Estimating and Bidding I	CONS 261-3
Construction Science II	CONS 162-3
Construction & Law	BUS 165-3
Plus two electives selected from:	
Industrial Relations	BUS 164-3
Human Relations	PSYC 153-3
Data Processing Fundamentals	EDP 151-3
General Business Law	BUS 163-3
Roads & Excavations	CONS 181-3

Semester 4

Estimating & 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 selected from:	
Construction Strength & Design II	CONS 281-3
Human Problems of Management	BUS 274-3
Computer Programming I	EDP 152-3



EARLY CHILDHOOD EDUCATION

The program for Early Childhood is designed for Children's Centres. These centres may be day care centres, nursery schools, private kindergartens, or family day care homes. The children range in age from infancy to six years.

The goals of the program are to develop in the student an understanding of:

- human growth, development and learning; mental and physical health.
- the relationship between children's centre, parents, home and community.
- curriculum content, methods, materials, and resources for pre-school centres.
- current problems, the history and philosophy of pre-school education.
- the administration and organization of pre-school centres and their relationship to the elementary school.

In addition to regular classroom instruction, students are required to spend time at local Pre-School Centres, this provides the student with an opportunity to co-ordinate theory and practice.

The first semester of the E.C.E. program includes active observation of Pre-School Centres and children. The second semester will include specific assignments to Pre-School Centres for practicum purposes.

Second year courses are not offered on a full-time basis; however, one second year course per semester will be offered in the evening. This is to facilitate first year graduates who wish to accept full-time employment.

Completion of the first year earns a college certificate.

Completion of the second year earns a diploma from the College of New Caledonia.

All applicants for this program must submit a statement from a physician regarding their mental and physical health.

Entry into the second year of the program may be gained by either completion of year one or its equivalent from Adult Education.

Students may enroll in the first year on a part-time basis. The part-time first year student is required to take ECE 151-3 and 154-3 before the other courses.

Recommended Secondary School Courses: Child Care 12.

Note: It is recommended that students seeking admission to this program attempt to work as a volunteer in a children's centre prior to enrolling in the College.

All applications for admission to the first year of this program are reviewed in mid-June; following this review students will be notified of their eligibility for admission.

Semester 1

Effective Communications I	ENGL 151-3 (or 101-3)
Human Development	ECE 151-3
Philosophy of ECE	ECE 154-3
General Psychology I	PSYC 151-3 (or 101-3)
Observing and Recording	ECE 170-3

Semester 2

General Psychology II	PSYC 152-3 (or 102-3)
Human Relations	PSYC 153-3
Parent-Supervisor Relations	ECE 153-3
Program Development	ECE 165-6
Practicum I	ECE 190-6

Second Year Courses

Infant Development	ECE 252-3
Creative Experiences For Young Children	ECE 261-2
Sociology	SOC 151-3 (or 101-3)
Health	ECE 272-2
Nutrition	ECE 273-2
Play as a Way of Learning	ECE 263-3
Practicum II	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	





FOREST RESOURCE TECHNOLOGY

The Forest Resource Technology program provides a technical training in B.C.'s major industry, the harvesting and management of timber crops. 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 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 this technology should realize that the work is outdoors most of the year and that all conditions of weather will be encountered.

The suggested prerequisites for admission are: Math 11, Biology 11, and Drafting 11. Grade 12 graduation is recommended as a good command of Mathematics and English is important. A knowledge of basic chemistry is useful. Mature students are admitted with less than grade 12 graduation if they are 21 years of age with two or more years of experience in the Forest Industry. Transfer qualification with full standing into the second year Forest Technology program at B.C.I.T. is possible at the end of the first year for those students who feel they wish to seek employment on the Coast upon graduation.

THE COURSES

Semester 1

Effective Communication I
Basic Mathematics
Forest Products I
Forest Science I
Forest Measurements I
Fire Control I
Photogrammetry I
Forest Drafting I
Industrial Orientation I
Industrial Psychology and Human Relations I

ENGL 151-3
MATH 150-3
FOR 153-3
FOR 155-3
FOR 161-3
FOR 165-3
FOR 171-3
FOR 173-2
FOR 150-1
PSYC 157-1

Effective Communication II
Technical Mathematics
Forest Products II
Forest Science II
Forest Measurements II
Fire Control II
Photogrammetry II
Forest Drafting II
Field Studies
Industrial Psychology and Human Relations II

Semester 2

ENGL 152-3
MATH 151-3
FOR 154-3
FOR 156-3
FOR 162-3
FOR 166-3
FOR 172-3
FOR 174-3
FOR 199-1
PSYC 158-1

Semester 3

Technical Writing
Forest Management I
Silviculture I
Forest Entomology
Applied Sampling Procedures
Forest Finance I
Roads and Transportation I
Logging I
Industrial Orientation II
Public Relations
Summer Essay

ENGL 251-3
FOR 251-3
FOR 253-3
FOR 255-3
FOR 261-3
FOR 281-3
FOR 285-3
FOR 287-3
FOR 250-1
BUS 267-1
FOR 270-1

Semester 4

Forestry Statistics
Forest Management II
Silviculture II
Forest Pathology
Scaling
Forest Finance II
Roads and Transportation II
Logging II
Industrial Relations

MATH 155-3
FOR 252-3
FOR 254-3
FOR 256-3
FOR 262-3
FOR 282-3
FOR 286-3
FOR 288-3
BUS 268-1

FORESTRY EXTENSION CERTIFICATE PROGRAM

This Certificate Program has been designed to provide a series of relevant extension courses for persons presently employed in the Forestry Industry.

Courses completed in this Certificate Program may apply to the two year Forest Resource Technology Diploma Program.

Prerequisite for admission:

- Math 11 or equivalent
- Two years experience in the woods division of a forest industry or the Forest Service.
- Applicants who have successfully completed the basic course at Green Timbers will be granted credit for Forestry 165-3 Forestry 166-3, English 151(3), English 152(3).

THE COURSES:

Year 1

	Semester 1	
Forest Science I		FOR 155-3
Photogrammetry I		FOR 171-3
Forestry Drafting I		FOR 173-2

Semester 2

Forest Science II		FOR 156-3
Photogrammetry II		FOR 172-3
Forest Drafting II		FOR 174-2

Year 2

Semester 1

Forest Products I		FOR 153-3
Technical Mathematics		MATH 151-3

Semester 2

Forest Products II		FOR 154-3
Forest Sampling and Surveying Procedures		FOR 191-3

Year 3

Semester 1

Fire Control I		FOR 165-3
Effective Communication I		ENG 151-3

Semester 2

Fire Control II		FOR 166-3
Effective Communication II		ENG 152-3



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.

Prerequisites for Admission: Grade 12 including Math 12, Chemistry 11, Chemistry 12 recommended. One other Science 12 is strongly recommended. It is also recommended that students have a complete medical examination (including eye examination) before entering this course.

The Courses:

Semester 1

English 101-3, 103-3, or 151-3
 Mathematics 161-3
 Mathematics 104-3
 Chemistry 103-3
 Physics 105-3
 Biology 161-3
 M.L.T. 151-3

Semester 2

English 102-3 or 152-3
 Math 162-3
 Chemistry 154-3
 Physics 106-3
 Biology 162-3
 M.L.T. 152-3

Intersession semester (May-June)

EDP 157-2
 Biochemistry—TBA

Medical Lab students in regular attendance qualify for the British Columbia Hospital Services subsidy of \$150.00 per month.

LAW CLERK

The Law Clerk 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 1975; course descriptions, program intent information, admission requirements, and other details will be available at Student Services by June 1st, 1975.

SOCIAL SERVICE AID

The Social Service Aid 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 1975; course descriptions, program intent information, admission requirements, and other details will be available at Student Services by June 1st, 1975.



FEES AND ACADEMIC INFORMATION FOR UNIVERSITY TRANSFER, TECHNICAL AND GENERAL STUDIES PROGRAMS

FEES

Tuition fees are collected each semester. All fees are due and payable at the time of registration.

FULL TIME STUDENTS: (Students enrolled in 15 or more credit hours)

- (a) **In region and other region students**
 - Tuition \$125.00 Per Semester
 - I.D./Library Card \$ 1.00 Per Year
- (b) **Out of Region Students**
 - Tuition \$175.00 Per Semester
 - I.D./Library Card \$ 1.00 Per Year

PART-TIME STUDENTS: (Students enrolled in fewer than 15 credit hours)

- (a) **In region and other region students**
 - Per course (3 credits)
 - Tuition \$ 25.50 Per Semester
 - I.D./Library Card \$ 1.00 Per Year
- (b) **Out of region students**
 - Per course (3 credits)
 - Tuition \$ 36.00 Per Semester
 - I.D./Library Card \$ 1.00 Per Year

NOTE: Part time students enrolled in other than 3 credit hours courses will be charged fees as follows:

- (a) **In region and other region students**
 - Tuition \$ 8.50 Per credit hour
- (b) **Out of region students**
 - Tuition \$ 12.00 Per credit hour

NOTE: No Fees will be charged to Senior Citizens.

PAYMENT OF FEES

Fees are due and payable at the time of registration. Students who are unable to pay their fees at the time of registration will not be permitted to register.

ESTIMATED SEMESTER EXPENSES

Full-time students should be aware of all the expenses they should budget for each semester. Costs may be estimated as follows:

Tuition Fees	\$125.00
Books and Supplies	160.00
Local Transportation	65.00
Miscellaneous	150.00
	\$500.00

The cost of room and board for students from outside Prince George averages \$120.00 per month.

MISCELLANEOUS FEES

Grade Appeal	\$ 5.00
Duplicate Transcript	2.00 (3 copies)
Duplicate Diploma	3.00
Reinstatement Fee	10.00
Library I.D. Card Duplicate	1.00

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

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) Withdrawl 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



ACADEMIC STANDING

Students are assigned an academic status at the beginning of each semester. All students with a grade point average of 0.99 or lower will not be permitted to continue in the following semester. Students with a current grade point average between 0.99 and 1.50 will automatically be assigned probationary status for the following semester.

The minimum requirement for completion of any CNC program is a cumulative grade point average of 2.0. Any assignment of academic status is subject to appeal.

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 the Registrar well before the beginning of the semester in which they will be registering.



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 instructors 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.

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.

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.

STATUS OF STUDENTS

GEOGRAPHIC

At the time of admission students are assigned in-region, other-region, or out-of-region status. (See Admission Information – residence requirements). Students whose geographic status changes after admission should notify the Registrar.

ACADEMIC

All students are assigned an academic status at the beginning of each Semester. This status is 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.

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. Two transcripts are issued to students upon request, free of charge.

Additional copies may be obtained from the Student Services Office. Fee \$2.00 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

A booklet outlining the specific courses to which C.N.C. courses transfer at various institutions in B.C. is available from the Student Services Office.

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.

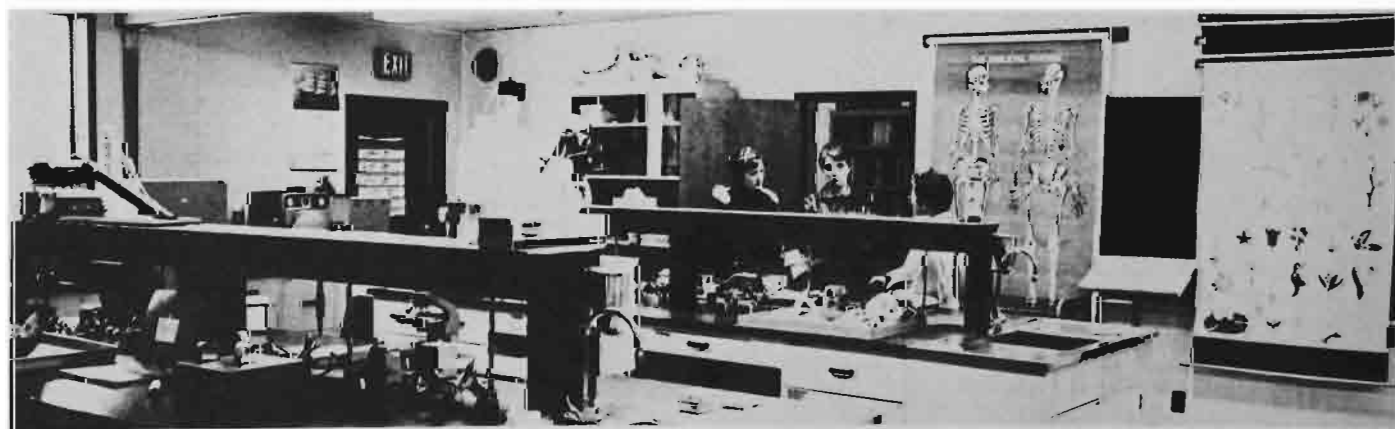
C.N.C. counsellors will assist students to select courses that will permit easy transfer to other institutions, but the final responsibility for a selection of courses remains with the student.

WITHDRAWAL

Students who wish to withdraw from a course or program of study without incurring an "F" grade must complete the withdrawal form available from the Counsellor.

Students may withdraw and receive a "W" grade between the dates indicated in the college calendar.

Students who withdraw after the prescribed dates will receive an "F" grade for all Courses in which they are registered.



UNIVERSITY TRANSFER PROGRAMS

ADMISSION REQUIREMENTS

General Academic Requirements – University Transfer Programs

Students eligible for admission are those who:

- 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 must 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 should anticipate the type of studies they hope to undertake at a University, and consult University calendars for specific requirements.

University Transfer Programs

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.

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 and Science should be met.

SCIENCE –

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

Recommended Secondary School Courses

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

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.

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

ARTS (B.A.)

University of B.C. Any two of English 101-3, 102-2, 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 chosen.) 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 social science hours. Six semester hours of a lab science (Biology, Chemistry, Physics, Geology, Geography*). Twelve semester hours of electives chosen from the list at the end of this section. (Courses in Art, Music, Theatre are recommended).
TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria Any two of English 101-3, 102-3, 103-3. History 103-3 and 104-3. Six semester hours of a lab science (Biology, Chemistry, Physics, Geology, Geography*), Geography 101-3 and 201-3 or 203-3 or 205-3. Mathematics 101-3 and 102-2 or 103-3 and 104-3.
TOTAL 30 SEMESTER HOURS OF CREDIT.

*Geography 201-3 and 202-3 must be taken to satisfy the 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. 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 of electives (Psychology 101-3 and 102-3 is recommended for students considering the Organizational Behavior and Industrial Relations option.)
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.)

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 103-3 and 104-3 or six semester hours of a non-science elective.
TOTAL 30 SEMESTER HOURS OF CREDIT.

University of Victoria English 101-3 and 102-3; Math 101-3 and 102-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Physics 105-3 and 106-3; Biology 101-3 and 102-3 or 103-3 and 104-3 or six semester hours of an Arts or Science elective.
TOTAL 30 SEMESTER HOURS OF CREDIT.

Simon Fraser University Same as the University of Victoria Science Program.
TOTAL 30 SEMESTER HOURS OF CREDIT.

Notre Dame University Same as the University of Victoria Science Program.
TOTAL 30 SEMESTER HOURS OF CREDIT.

*Students taking Physics 105-3, 106-3 are advised to see a C.N.C. counsellor prior to registration.

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 or 103-3 and 104-3; 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. (Either English or Biology may be deferred to the second year, and be replaced by Economics 101-3 and 102-3.)
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 prerequisite 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 Same as "Science"

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	<p>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)</p> <p>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.</p>
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; Psychology 101-3 and 102-3; Art 103-3 and 104-3. Six semester hours of Art and Science electives.
Social Work	<p>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.</p> <p>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.</p>

Admission Procedures

STUDENTS ENROLLING IN COURSES FOR CREDIT NEW STUDENTS

- (i) Apply to Student Services office for an application form in detail and attach 2 copies of your Secondary School or post-secondary transcripts.

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 transcripts should be submitted to the College **at least** two weeks before the beginning of the semester to which admission is sought.
- (iii) Arrange for a pre-registration interview with a College counsellor. Interviews will be conducted throughout the region. Local secondary schools have information on the dates interviews will be conducted in each community.
- (iv) Following the pre-registration interview, 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) 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.

LATE REGISTRATION

Students who are unable to register at the specified time may register up to the date indicated in the College Calendar as the last date for late registration.

UNIVERSITY TRANSFER AND TECHNICAL PROGRAM COURSE DESCRIPTIONS

STANDARD COURSE ABBREVIATION

Anthropology	ANTH
Art	ART
Ballet	BAL
Biology	BIO
Business	BUS
Chemistry	CHEM
Classics	CLAS
Construction	CONS
Criminology	CRIM
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
Physics	PHYS
Physical Education	P.E.
Political Science	POSC
Psychology	PSYC
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 letter (F), (S), or (I) after the course indicates in which semester the course will be offered.

(F) Fall Semester, September to December

(S) Spring Semester, January to April

(I) Intersession. Normally this semester will be offered during the months of May and June.

The number in parenthesis at the end of the description indicated 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.

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 numbered 150-199 and 250-299 are Technical Program courses and are not normally transferable to a University. Courses numbered 020-051 are preparatory courses and do not carry college or university credits. 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 AND SOCIAL ANTHROPOLOGY (F)

An introductory survey of the discipline of anthropology, its historical background, fields of study, methods of analysis, and place in the modern world. Emphasis will be on a comparison of the different cultures of man in the areas of language, kinship, political organization, subsistence patterns, ideology, folklore, culture, and personality, and the effects of culture change and industrialization on native cultures. (3,0)

ANTH 102-3 PHYSICAL ANTHROPOLOGY AND HUMAN EVOLUTION (S)

An introductory survey of the biological and cultural evolution of man, including the stages of human evolution, the archaeological evidence of human prehistory in the Old and New Worlds, the development of civilization, variation in modern man, and primate behaviour. (3,0)

ANTH 201-3 SOCIAL STRUCTURE I (F)

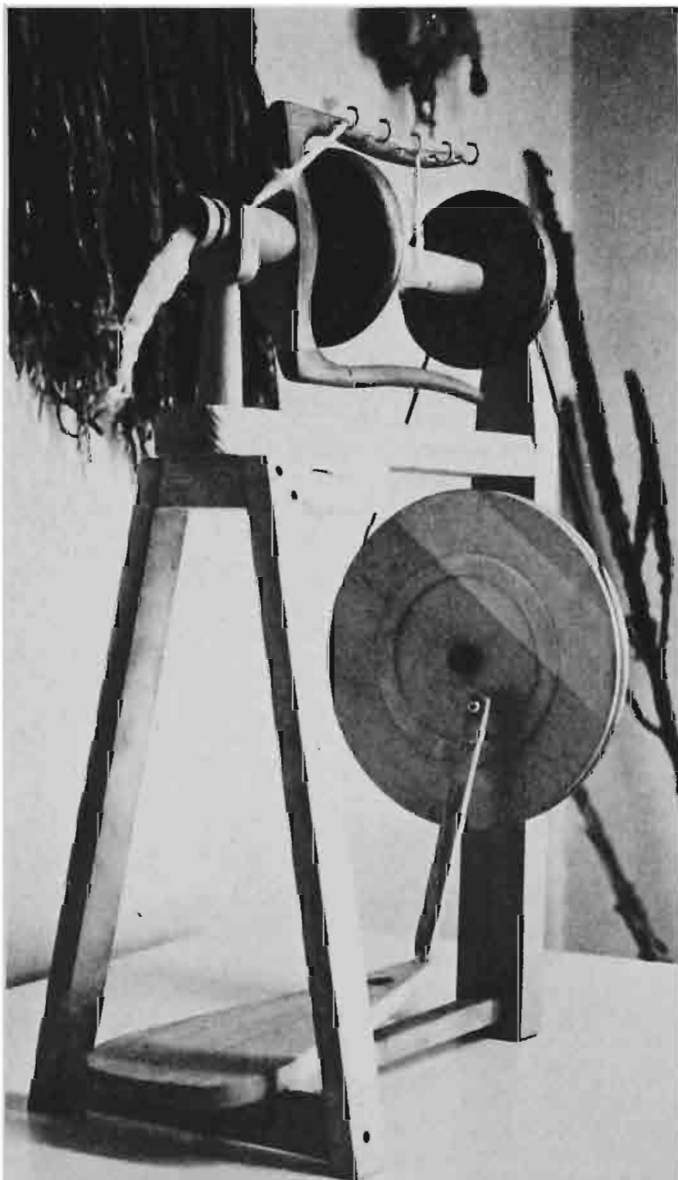
An introduction to the methods and concepts of social anthropology: functionalism, diffusion, cultural ecology, the historical approach, culture and personality, and economic determinism. Schools of thought such as British social anthropology, American cultural anthropology, and French structuralism will be studied.

Prerequisite: Anthropology 101-3 or Sociology 101-3. (3,0)

ANTH 202-3 SOCIAL STRUCTURE II (S)

An examination of selected readings and ethnographies representing different theoretical approaches to the study of social organization and different levels of cultural complexity, including the structure and organization of society, kinship, the social framework of economy, religion, and art.

Prerequisite: Anthropology 201-3. (3,0)



ART

ART 101-3 DESIGN FUNDAMENTALS I (F)

An introductory course in which the student is introduced to various techniques, skills and theory of design. Composition, basic design theory and graphics are the major areas of investigation. Throughout the course the emphasis will be on design form in 2 dimensions. (2,6)

ART 102-3 DESIGN FUNDAMENTALS II (S)

This semester complements 2 dimensional design in that it progresses with preparation for sculptural forms. Many media are stressed and technical use is covered. (2,6)

ART 103-3 HISTORY OF ART I (F)

This introductory course examines the major developments in art from the pre-historic to the late Gothic age. Art is not examined in isolation but in relation to music and theatre, as well as the social and political situation of the given period from which a specific art form emerged. (3,0)

ART 104-3 HISTORY OF ART II (S)

Survey of major art developments from the early Renaissance to the present day. When dealing with the modern period, students examine the social conditions and factors that have permitted contemporary trends in art.

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

ART 161-3 SPINNING AND DYEING I (F)

Carding on hand and drum carders, spinning on spindles, traditional and Indian style spinning wheels, experimentation with natural and commercial dyes, lectures 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 plying, slubs, and novelty yarns. (1,2)

ART 162-3 BASIC WEAVING TECHNIQUES (S)

Students will receive instruction on building and weaving with simple looms. This course will introduce the student to Inkle looms, needle weaving, Salish looms, tapestry and Navajo looms. This course will also include a historical survey of related weaving techniques. (1,2)

ART 163-3 CERAMICS I (F)

This course is a general introduction to ceramics, using clay as a medium. Each student will complete at least two slab built objects, plus one wheel thrown object. (0,6)

ART 164-3 CERAMICS II (S)

A continuation of Art 163-3. (0,6)

ART 165-3 DRAWING (F)

This course covers all abrasive and absorbent media building on gesture, line, shape, value, volume, perspective, and conceptual thought. Using text, slides, graphic sources, movies, critiques and lecture. (3,3)

ART 166-3 DRAWING (S)

A continuation of Art 165-3. (3,3)

ART 171-3 INTRODUCTION TO SCULPTURE I (S)

This course is a general introduction to sculpture, using clay as a medium. Each student will complete at least two sculptures – a life-size head and a figure. (0,3)

ART 172-3 INTRODUCTION TO SCULPTURE II (F)

A continuation of Art 171-3. (0,3)

ART 173-3 CREATIVE PHOTOGRAPHY I (F.S.I.)

This introductory course will cover the theoretical and practical aspects of the black and white medium. Subject matter will include camera handling, the use of inter-changeable lenses, filters, flash, etc.; basic darkroom procedures including film processing, contact printing, enlarging, finishing, and print display. (1,2)

ART 174-3 CREATIVE PHOTOGRAPHY II (F.S.I.)

This course deals with the quality control of prints and negatives, as well as more advanced techniques. Topics covered will include pictorial composition, the paper negative, reduction and intensification, toning, high contrast negatives, and solarization etc. (1,2)

ART 251-3 MODERN ART HISTORY (F)

A survey of modern art from 1850 to 1950, covering the major trends, isms, etc., from Impressionism to the death of Abstract Expressionism. (3,0)

ART 252-3 CONTEMPORARY ART HISTORY (S)

A survey of Contemporary art. The chronological extension from abstract Expressionism up to 1975 covering all major situations in the new directions of the arts. (3,0)

ART 264-3 PAINTING I (F)

Course covers all recognized painting preparations and processes. Both water colour and oil with some acrylic medium are covered. All available contact to painting is made through the use of lectures, movies, slides, critiques, etc. (3,3)

ART 265-3 PAINTING II (S)

A continuation of Art 264-3. (3,3)

ART 271-3 TEXTILE DESIGN I (F)

Students will undertake handling of design problems oriented to an investigation of dye techniques on cellulose fibres. For example, batik and tie dye using natural and commercial dyes on cottons, linens and silks, etc. (1,5)

ART 272-3 TEXTILE DESIGN II (F)

Students will undertake design problems, either on or off the loom weaving in 2 or 3 dimensions. The course will include spinning and dyeing. (1,5)

ART 281-3 INDEPENDENT STUDY I (F)

This course will enable the student, in co-operation with an instructor, to pursue an independent program of work in his or her major area of study. (2,8)

ART 282-3 INDEPENDENT STUDY II (S)

A continuation of Art 281-3 that will culminate in a Spring exhibition. (2,8)

BALLET**BAL 151-0 PREPARATIVE BALLET (F,S)**

A systematic program of instruction in the classic ballet movement. The advanced student 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 section attained. (1,0)

BIOLOGY**BIO 040 ADVANCED PREPARATORY BIOLOGY (F,S,I)**

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 (F)

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.

Prerequisite: Biology 11 or Biology 040.
Corequisite: One of Chemistry 101-3, 102-3, 103-4 or 104-3. (3,3)

BIO 102-3 BIOLOGY FOR SCIENCE MAJORS II (S)

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

Prerequisite: Biology 11 or Biology 040.
Corequisite: One of Chemistry 101-3, 102-3, 103-3, or 104-3. (3,3)

BIO 103-3 BIOLOGY FOR NON-MAJORS I (F)

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 (F)

Similar in intent to Biology 103. Topics covered are the cell theory, anatomy and physiology of plants and animals, embryology, and metabolic cycles. (3,3)

BIO 161-3 HUMAN ANATOMY AND PHYSIOLOGY (F)

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

BIO 162-3 HUMAN ANATOMY AND PHYSIOLOGY II (S)

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

BIO 201-3 CELL STRUCTURE (F)

This course acquaints the student with facts and theories of physical and chemical aspects of cell structure. Additional topics discussed include cell events (mitosis, meiosis, etc.) and experimental techniques.

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

Corequisite: Chemistry 203-3. (3,0)

BIO 202-3 CELL CHEMISTRY (S)

An introductory course dealing with the chemical basis of life. This course emphasizes basic life processes; energy concepts, energy conversion, transfer, and storage. Cell structures are discussed from the standpoint of their roles in all aspects of energetics.

Prerequisite: Biology 201-3.
Corequisite: Chemistry 204-3. (3,0)

BUSINESS**BUS 101-3 ACCOUNTING (F)**

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)

BUS 103-3 FUNDAMENTALS OF BUSINESS I (F)

This course deals with the business environment (with emphasis on the role of governments), forms of business organization (the proprietorship, partnership, and corporation), bankruptcy, the finance function in business and organizational structure. The student is introduced to the case method and is given an opportunity to develop and apply analytical ability through preparations, presentations, and discussions. Students planning to transfer to Commerce at U.B.C. must take this course in their second year. (2,2)

BUS 151-3 ACCOUNTING I (F)

This introductory subject covers 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. (2,1)

BUS 152-3 INTRODUCTORY ACCOUNTING II (S)

This course concentrates on the analysis of the major balance sheet accounts-assets, liabilities, equity accounts and their relationship to the income statement. All material's integrated in a major case study.
Prerequisite: BUS 151-3, or equivalent with permission of instructor. (3)

BUS 153-3 BUSINESS FUNDAMENTALS I (F)

The student is introduced to the area of business and to the environment in which it functions. In sequence, the course deals with the business environment (with emphasis on the role of governments), forms of business organization (the proprietorship, partnership and corporation), bankruptcy, the finance function in business and organizational structure. Selected readings from various texts and the **Financial Post** are utilized extensively. The student is introduced to the case method and is given an opportunity to develop and apply analytical ability through preparations, presentations, and discussions. (2,2)

BUS 154-3 BUSINESS FUNDAMENTALS II (S)

An introductory course involving the areas of marketing, personnel; and production. The student is expected to develop an understanding of each area and of the major concepts and principles discussed. Readings and cases. (2,2)

BUS 156-3 BUSINESS PROCEDURES (S)

Introduction to business in Canada. The course recognizes the need for a thorough knowledge of the conduct of business in our society with emphasis on the legal, financial and organizational aspects of commercial and industrial enterprise in the Canadian Environment. (3)

BUS 158-3 CONSTRUCTION BUSINESS

The study of principles of business management covered in Business 153-3 are continued and related to systems used in the Construction Industry. The necessity of proper planning, cost control methods, types of business organizations and procedures necessary to operate a business successfully. Developing construction cost estimates from bids, purchasing of building sites and property.
Prerequisite: Business 151-3 (3,0)

BUS 163-3 GENERAL BUSINESS LAW (F)
 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 (S)
 An analysis of the management of human resources, emphasizing an understanding of human behavior and the development and application of industrial relations in Canada. (2,1)

BUS 251-3 INTERMEDIATE ACCOUNTING I (F)
 Accounting principles covered in Bus. 151-3 and Bus. 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)

BUS 252-3 INTERMEDIATE ACCOUNTING II (S)
 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)

BUS 253-3 COST ACCOUNTING I (F)
 An introduction to managerial accounting. Emphasis is placed on cost for planning and control and include 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. Managerial cost reports.
 Prerequisites: Business 151-3, Business 152-3. (3)

BUS 254-3 COST ACCOUNTING II (S)
 A continuation of Bus 253-3 - Cost Accounting I. The 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: measurement of performance - transfer pricing, Sales mix and production mix and yield variances.
 Prerequisites: Business 253-3 or equivalent with permission of instructor. (3)

BUS 255-3 MANAGEMENT (S)
 An analysis of managerial functions. The course begins with a discussion of the functions and importance of management, followed by a comprehensive treatment of the planning function (including the defining of objectives, the assessment of resources and the determination of appropriate policies). In sequence, the course then examines the functions of organizing, staffing, directing, and controlling. The application of concepts is emphasized through extensive case preparations and discussions. (2,2)

BUS 257-3 FINANCIAL MANAGEMENT I (F)
 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 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)

BUS 258-3 FINANCIAL MANAGEMENT II (S)
 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. While not a prerequisite, the student may benefit more from this course if he has taken Financial Management I.
 Prerequisites: Second year standing. (3)

BUS 267-1 PUBLIC RELATIONS (F)
 The essential topics in this course are the development and discussion of management and supervisory skills, methods by which the private, public and corporate structures relate to people, the media and factors affecting management-employee relations. (1,0)

BUS 268-1 INDUSTRIAL RELATIONS (S)
 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 practices are also important topics. (1,0)

BUS 271-3 MARKETING I (F)
 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 and development, and distribution. Throughout the course, emphasis will be placed upon the application of concepts and perspectives to selected marketing cases.
 Prerequisite: Second year standing or instructors permission. (2,2)

BUS 274-3 HUMAN PROBLEMS OF MANAGEMENT (F)
 The course is involved primarily with the human problems of business organizations. The perspective is that of individuals who must function in the context of the organization, and the following topics are discussed at length: Human needs, job satisfaction and the job, work groups, methods of motivating people, delegation, authority, communication, discipline, and the introduction of change. Case discussions of personnel problems in business are stressed throughout.
 Prerequisite: Second year standing or permission of instructor. (2,2)

BUS 275-3 PERSONNEL ADMINISTRATION (S)
 This course discusses first the organization of business and its implications for people within the business. The greater part of the course is involved with the various elements of personnel administration and the following topics are examined: manpower planning, recruitment and selection, training and development, evaluation, promotions and transfers, wage and salary administration, incentive systems, safety, and service and benefit programs. (2,2)

BUS 282-3 MARKETING II (S)
 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.
 Prerequisite: Business 271-3. (2,2)



CHEMISTRY

CHEM 040 ADVANCED PREPARATORY CHEMISTRY (F,S,1)

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 (S)

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

Prerequisite: Chemistry 12 (3,3)

CHEM 102-3 FUNDAMENTALS OF CHEMISTRY II (F)

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

Prerequisite: Chemistry 12. (3,3)

CHEM 103-3 INTRODUCTION TO CHEMISTRY I (F)

Topics are stoichiometry, periodic table, basic thermodynamics, equilibrium calculations and electrochemistry.

Prerequisite: Chemistry 11 or Chemistry 040. (3,3)

CHEM 104-3 INTRODUCTION TO CHEMISTRY II (S)

This course includes quantum theory of bonding, reaction kinetics, organic chemistry and biochemistry.

Prerequisite: Chemistry 103-3, or Chemistry 11. (3,3)

CHEM 154-3 CHEMISTRY FOR MEDICAL LAB (S)

Analytical and organic chemistry for medical lab technology students.

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

CHEM 201-3 PHYSICAL INORGANIC CHEMISTRY I (F)

A discussion of the first, second and third laws of thermodynamics which leads to equilibria and equilibrium thermodynamics of solutions. Reaction kinetics are also discussed.

Prerequisite: Chemistry 101-3 and 102-3 or 103-3 and 104-3. (3,3)

CHEM 202-3 PHYSICAL INORGANIC CHEMISTRY II (S)

A discussion of the chemistry and structure of coordination compounds, followed by an introduction to quantum chemical techniques and their application to organic and inorganic molecules.

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

CHEM 203-3 ORGANIC CHEMISTRY I (F)

Basic principles of organic chemistry, including reaction 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 (S)

A continuation of Chemistry 203-3.

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



CLASSICS

CLAS 101-3 GREEK LITERATURE IN TRANSLATION (F)

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 (S)

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 (F,S,)

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

C.N.C. 152-0 WRITING SKILLS (Research and Essay) (F,S)

This course is designed to meet the needs of students who experience difficulty in expressing ideas in essay or 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 (F,S)

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.

CONSTRUCTION

CONS 150-3 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 architects 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. (3,0)

CONS 151-3 MATERIALS AND APPLICATIONS I (F)

In order to plan and supervise a construction job, a person must have a detailed knowledge of the materials which are used in today's industry, their costs, and how they are used. This course examines soil, concrete, aluminum and various other materials, their composition and their applications on the job site. (2,2)

CONS 152-3 MATERIALS AND APPLICATIONS II (S)

The use of steel, wood, masonry, plastic, and glass in the construction trade is studied. Fire safety, standards for materials, testing and code rulings on material standards are discussed. This course should round out the student's ability to exercise proper control on the job. (2,2)

CONS 161-3 CONSTRUCTION SCIENCE I (F)

Applications of mechanics to the construction industry topics include stress, strain, moments; introduction to designs, fluids, work, and energy.

Prerequisite: MATH 156-3. (3,2)

CONS 162-3 CONSTRUCTION SCIENCE II (S)

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

Prerequisite: MATH 156-3. (3,2)

CONS 181-3 ROADS AND EXCAVATIONS (F)

The student will study 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, under-pinning and de-watering. (3,2)

CONS 261-3 ESTIMATING AND BIDDING I (F)

This course deals with basic fundamentals of building construction estimating (materials only); emphasis is on accurate, systematic quantity take-offs. This course will integrate knowledge and understanding gained during the first two semesters of the Construction Management Program. (3,2)

CONS 262-3 ESTIMATING AND BIDDING II (S)

This course applies the techniques learned in Construction 261-3, the previous semester 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. (2,2)

CONS 270-3 SUMMER ESSAY (F)

A report on the summers work experience will be required by those entering the 3rd semester. A report outline will be discussed in detail with the students prior to the end of the 2nd semester.

CONS 271-3 CONSTRUCTION STRENGTH AND DESIGN I (F)

This is an introductory course that utilizes knowledge gained in CONS 161-3 to enable the student to use design tables and graphs to calculate adequate sizes of beams, columns and footings. (3,2)

CONS 274-3 MANAGEMENT OPERATIONS (S)

The student will learn how a construction company should operate. Key items such as organization, staffing, evaluation, bookkeeping, cost accounting and cost control are discussed. The Critical Path Method is used to study the overall planning, scheduling and costing of a job. (3,1)

CONS 281-3 CONSTRUCTION STRENGTH AND DESIGN II (S)

This course uses the basic design techniques learned in CONS 271-3 to analyze more complex structures. (3,1)

CONS 282-3 PROJECT OPERATIONS (S)

The student will learn that construction projects can be well-planned and profitable. The importance of preplanning and scheduling on site and office communication is emphasized. The duties and functions of the superintendent in his role as a manager are stressed.

The lab portion of the course consists of weekly 2 hour trips to various job sites and a 1 hour discussion and/or film relating to construction projects. (3,1)

CONS 283-3 CONSTRUCTION EQUIPMENT (S)

This course starts with a review of soil mechanics and follows through with a detailed analysis of items such as: Purchase or rental of construction equipment, equipment operation, capabilities, safety and maintenance. Uses of various types of equipment will be related to actual building, road and dam projects. (3,0)

CONS 284-3 BUILDING SERVICES (S)

This includes the services that the general contractor supplies such as water, sewage and drainage and the building services that are done by the electrical and mechanical trades – electrical heating and air conditioning, plumbing and refrigeration. (3,0)

**DRAFTING****DRAF 153-3 DRAFTING FUNDAMENTALS** (F)

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)

DRAF 154-3 DRAFTING AND INTERPRETATION (S)

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

DRAF 155-3 PRACTICAL DRAFTING

This course introduces the student to the fundamentals of Engineering Drawing and shows how these are used in industry or blueprints: Methods of scaling, measurement, and take offs are also taught. This will enable the student to be able more fully to interpret and use blueprints as a working tool. (1,2)

EARLY CHILDHOOD EDUCATION**ECE 151-3 HUMAN DEVELOPMENT** (F,S)

The study of human development from conception to adulthood. All areas of development are covered (physical, mental, social, and emotional). Influences on development as well as disturbances in development are discussed. (3,0)

ECE 153-3 PARENT-SUPERVISOR RELATIONS (S)

A study of how home, children's centre and community work together to foster the child's development. Emphasis is given to communication between supervisor and parent.

Prerequisites: ECE 151-3, 154-3. (3,0)

ECE 154-3 PHILOSOPHY OF EARLY CHILDHOOD EDUCATION (F)

This course emphasizes the importance of the child's early years of development. Education of young children past and present is discussed and modern theories of preschool education are presented. Curriculum and planning for the modern preschool and teaching in preschool today form part of the student's activities. (3,0)

ECE 165-4 PROGRAM DEVELOPMENT (S)

The student becomes actively involved in the development of the daily program for a children's centre. Areas studied are art, music, science, and literature.

Prerequisite: Early Childhood Education 154-3. (4,3)

ECE 170-3 OBSERVING AND RECORDING (F,S)

Directed observation of young children as they grow and develop in day care centres, nursery schools, and kindergartens. (0,8)

ECE 190-6 PRACTICUM I (S)

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

Prerequisites: Early Childhood Education 151-3, 154-3. (2,12)

ECE 251-3 FAMILY IN SOCIETY (S)

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.

Prerequisite: Second year standing. (3,0)

ECE 252-3 INFANT DEVELOPMENT (F)

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: Early Childhood Education 151-3. (3,0)

ECE 253-2 EXCEPTIONAL CHILDREN (S)

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.

Prerequisite: Second year standing. (2,0)

ECE 254-2 SUPERVISION (S)

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 (F)

A seminar in fostering creativity in the early childhood curriculum. Principles and practices which develop creativity in areas 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 (F)

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 272-2 HEALTH (F)

A study of the health of the young child as related to diet and childhood diseases. First aid for the child care worker is also included. (2,0)

ECE 273-2 NUTRITION (F)

A basic study of nutrition with emphasis on the needs of the young child as well as menu planning for a children's centre. (2,1)

ECE 282-3 SEMINAR IN E.C.E. (S)

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 (F)

Practical experience of working with young children under the guidance of qualified supervisors. 180 hours. (2,12)

ECE 292-6 PRACTICUM III (S)

Practical experience of working with young children under the guidance of qualified supervisors. 180 hours. (2,12)

ECONOMICS

ECON 101-3 INTRODUCTION TO ECONOMICS (F)

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

ECON 102-3 CANADIAN ECONOMICS ISSUES (S)

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 form part of the material in this course.

Prerequisite: Economics 101-3 or permission of the instructor. (3,0)

ECON 111-3 ECONOMIC HISTORY I (F)

A study of Economic History up to the industrial revolution. (3,0)

ECON 112-3 ECONOMIC HISTORY II (S)

A study of economic history from the industrial revolution to the present. (3,0)

ECON 115-3 HISTORY OF ECONOMIC THOUGHT (F)

An introduction to the history of economic thought. (3,0)

ECON 116-3 COMPARATIVE ECONOMIC SYSTEMS (S)

An introduction to comparative economic systems. (3,0)

ECON 153-3 CAREER ECONOMICS I (F)

An introduction to the nature and problems associated with the determination of costs and revenues in business, basic supply and demand analysis. (3,0)

ECON 154-3 CAREER ECONOMICS II (S)

An introduction to the sources of Gross National Product. This course covers the areas of Household spending, Business Investment and Government expenditure. The nature of economic growth and development is also covered. (3,0)

ECON 201-3 PRINCIPLES OF ECONOMICS-MACROECONOMICS (S)

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 (F)

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

Prerequisite: First year Math. (3,0)

ELECTRONIC DATA PROCESSING

EDP 151-3 DATA PROCESSING FUNDAMENTALS (F)

This course introduces the student to data processing. It starts with a historical preview of the development of data processing from manual methods through automated methods to the present electronic methods and includes a description of machinery used in card-oriented systems and modern computer systems. Systems analysis, flowcharting, and program design are briefly reviewed. (2,1)

EDP 152-3 COMPUTER PROGRAMMING I (S)

An introduction to the principles of programming using the IBM 1130 computer. The course includes machine language and symbolic language as well as a high level language with emphasis on "hands on" experience on the computer. Flow charting, coding, debugging and documenting simple applications will be included. (2,2)

EDP 155-1 FORTRAN FOR TECHNICIANS I (F)

An introduction to the computer, machine operation and data processing techniques. Flowcharting and problem definition are described leading to programming in the Fortran language. Several programs directed to problem solving for the particular technology will be given to teach the language and to illustrate the capability of the computer. (1,1)

EDP 156-2 FORTRAN FOR TECHNICIANS II (S)

A continuation of EDP 155-1. (1,1)

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

Data processing functions are taught and practised upon unit record equipment. Computer programming fundamentals, flowcharting and systems design are taught and small programs are written and tested. (2,0)

EDP 161-3 DATA PROCESSING AND SYSTEMS AND PROCEDURES

A review of accounting and other systems used in municipal government; a study of procedures and forms required to be submitted for government and public examination. An introduction to automated accounting and other systems, this course will enable the student to comprehend and explain the purposes and functions of a variety of municipal reporting systems.

EDP 251-3 PROGRAMMING II (F)

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. (3,3)

EDP 252-3 PROGRAMMING III (S)

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). (3,3)

EDP 253-3 SYSTEMS ANALYSIS (F)

An introduction to computer systems design and basic systems analysis techniques. Beginning with punched card computer applications for standard accounting and statistical functions the student practices systems investigation, systems flow charting, forms design and card design.

Prerequisites: EDP 151-3 and 152-3. (2,2)

EDP 254-3 SYSTEMS DESIGN (S)

Techniques of systems analysis including gathering data, systems design, flow charting, documentation procedures, form and record design, controls and audit trails. The student solves business and statistical problems using both magnetic tape and magnetic disc storage devices. Implementation procedures and standards and evaluation of the new system are included.

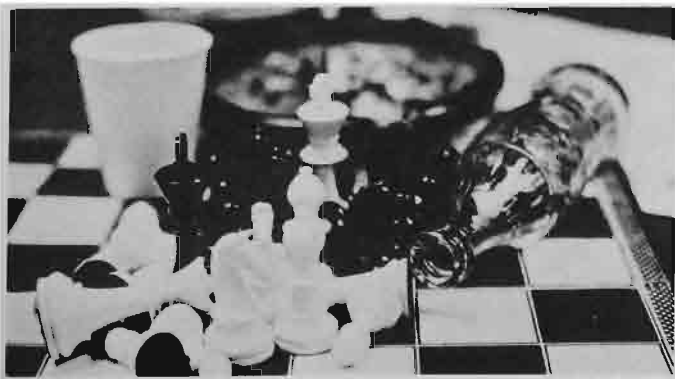
Prerequisite: EDP 253-3. (2,2)

EDP 255-3 BUSINESS USES OF THE COMPUTER (F)

This practical course illustrates how computers are acquired and used in business or technology. Characteristics of machines and systems are examined so as to evaluate computers for installation and develop techniques for feasibility studies. (1,2)

EDP 256-3 MANAGERIAL APPLICATIONS OF THE COMPUTER (S)

Increasingly, management utilizes the computer to apply modern methods of analysis to business problems. In this course we will examine advanced applications through the use of preprogrammed software packages. Discussion will include the basic theory of such innovative techniques as PERT-CPM, Linear Programming Simulation, and statistical analysis. Lab assignments will add to the student's comprehension of these topics. (1,2)



ENGLISH

ENGL 020 BASIC PREPARATORY ENGLISH (F.S.I.)

This is a refresher course in all forms of communication.

Prerequisites: Basic Literacy in English.

ENGL 030 INTERMEDIATE PREPARATORY ENGLISH (F.S.I.)

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 (F.S.I.)

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 101-3 LITERATURE AND COMPOSITION I (F)

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 (S)

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 (F.S)

A study of the principles of essay writing and modern prose styles. (3,0)

ENGL 151-3 EFFECTIVE COMMUNICATION I (F)

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 (S)

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

ENGL 165-3 CREATIVE PRINTING I (F)

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 (S)

A continuation of English 165-3. (0,3)

ENGL 201-3 ENGLISH LITERATURE, 1350-1688 (F)

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 (S)

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 (F)

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 or English 151-3 and 152-3. (3,0)

ENGL 204-3 CANADIAN LITERATURE II (S)

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 or English 151-3 and 152-3. (3,0)

ENGL 205-3 CREATIVE WRITING I (F)

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 (S)

A continuation of English 205-3.

Prerequisite: Permission of Instructor. (3,0)

ENGL 209-3 SURVEY OF AMERICAN LITERATURE I (F)

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 and 103-3. (3,3)

ENGL 210-3 SURVEY OF AMERICAN LITERATURE II (S)

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 and 103-3. (3,3)

ENGL 211-3 SHAKESPEARE: COMEDIES AND HISTORY PLAYS (F)

A detailed study of some of Shakespeare's major comedies and history plays. Students will be required to submit at least two essays. (3,0)

ENGL 212-3 SHAKESPEARE: TRAGEDIES AND LAST PLAYS (S)

A detailed study of some of Shakespeare's major tragedies and last plays. Students will be required to submit at least two essays. (3,0)

ENGL 213-3 SHORT FICTION I (F)

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. (3,0)

ENGL 214-3 SHORT FICTION II (S)

A survey of the short story and novella from Kafka to the present. Students will submit three essays on literary topics. (3,0)

ENGL 251-3 TECHNICAL WRITING (S)

A workshop course concentrating on the fundamentals of good report writing, especially on the organization and style of the technical report. (3,0)



FORESTRY

FOR 150-3 INDUSTRIAL ORIENTATION I

A two week program in which the student will work directly under the supervision of company foresters, in any of the communities within the region. Experience will be gained in slash burning, planting, survival studies, cruising, logging and road layout, or any other practices required by industry and the Forest Service.

FOR 153-3 FOREST PRODUCTS I (F)

The major topics in this course are saw milling and pulping: The Saw-milling 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)

FOR 154-3 FOREST PRODUCTS II (S)

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

Prerequisites: FOR 155-3, FOR 153-3. (2,2)

FOR 155-3 FOREST SCIENCE I (F)

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 to the economy of B.C. and Canada. This is followed by a review of botany with particular reference to forest ecosystems. (2,2)

FOR 156-3 FOREST SCIENCE II (S)

Emphasis is placed upon identification of forest trees (dendrology) and the more common shrubs and herbs (lesser vegetation) of B.C. This is followed by range botany, forest classification systems, forest site (associations), an introduction to forest ecology and soils, and logging history and practices. The Forest Science course is basic to most of the second year courses in Forest Resource Technology.

Prerequisite: FOR 155-3. (2,2)

FOR 161-3 FOREST MEASUREMENTS I (F)

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)

FOR 162-3 FOREST MEASUREMENTS II (S)

Statistics and their application to control sampling error, methods of volume compilation, field procedures and computer data compilations and analysis of computer printouts. The importance of accurate report-writing is stressed.

Prerequisite: FOR 161-3, FOR 171-3, FOR 173-2. (3,3)

FOR 165-3 FIRE CONTROL I (F)

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. Wood safety is stressed throughout this course. (2,2)

FOR 166-3 FIRE CONTROL II (S)

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.

Prerequisite: FOR 165-3. (2,2)

FOR 171-3 PHOTOGRAMMETRY I (F)

Photogrammetry involves the interpretation of information from aerial 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)

FOR 172-3 PHOTOGRAMMETRY II (S)

Photogrammetry II emphasizes the use of photographs in mapping, volume estimation, logging layout, and forest protection. Drafting skills are further developed.

Prerequisite: Forestry 171-3. (1,3)

FOR 173-2 FOREST DRAFTING I (F)

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)

FOR 174-2 FOREST DRAFTING II (S)

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

Prerequisite: Forestry 173-2 (0,2)

FOR 191-3 FOREST SAMPLING AND SURVEYING PROCEDURES (F)

This course has been designed for the Extension Forest Technical Diploma course leading to qualification for the first year of the program. The content of the course stresses the theory of surveying and sampling, without the field laboratories. This course is open to extension students only. (3,0)

FOR 199-3 FIELD STUDIES (S)

A one week field trip to the coast forest region in Vancouver and Vancouver Island. Reports will be written on any parts of the trip the attending instructor requires. Highlights of the trip will include, research facilities both within the B.C. and Federal governments; forest nurseries, B.C.I.T., U.B.C., coastal logging operations, sawmills, pulp mills and specialty mills.



FOR 251-3 FOREST MANAGEMENT I (F)

A comprehensive overview of the techniques involved in Central Interior Forest Management. Topics include: history of Forest Management, tenures, administration, utilization, inventory, sustained yield, and allowable cut calculations.

This course will also examine the B.C. Forest Service, the Forest Act, and integrated forest companies.

Prerequisites: Second year standing. (2,2)

FOR 252-3 FOREST MANAGEMENT II (S)

This course emphasizes integrated resource management covering such multiple use concepts as: land use planning, hydrology, fish, wildlife, range management, recreation, and their interrelation with forest harvesting procedures. (2,3)

FOR 253-3 SILVICULTURE I (F)

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.

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

FOR 254-3 SILVICULTURE II (S)

This is a continuation of the basics covered in For 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 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"

Prerequisite: Forestry 253-3. (2,2)

FOR 255-3 FOREST ENTOMOLOGY (F)

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.

Prerequisite: Forestry 152-3. (2,2)



FOR 256-3 FOREST PATHOLOGY II (S)

The second semester will concentrate on forest diseases, covering causes of diseases, development of infectious diseases, and typical life histories. The most important diseases of British Columbia 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 255-3. (2,2)

FOR 261-3 APPLIED SAMPLING PROCEDURES (F)

A field oriented course covering the latest techniques in sampling and mapping procedures required to develop industrial operation maps and cruise reports. The aerial photogrammetry program involves procedures, aerial photography, and compilation of photo mosaics.

Prerequisite: Forestry 162-3, Forestry 172-3, Forestry 174-2, Mathematics 155. (1,4)

FOR 262-3 SCALING (S)

A course designed to give the student familiarity with common board-foot scaling rules, major agents of log decay, regulations governing scaling in B.C., and a detailed approach to cubic and weight scaling as practical in the Interior of B.C. At the completion of the course, each student writes the B.C. Forest Service Scaling Exam for the Interior to qualify for his scaling licence.

Prerequisite: Forestry 162-3, Forestry 156-3. Corequisite: Mathematics 155-3. (1,3)

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. Specifications for the essay will be discussed with students prior to the conclusion of the first term. (1)

FOR 281-3 FOREST FINANCE I (F)

Financing, financial statements, basics of values, cost and price, cost accounting and control, machine-rates, budgets, operating statements, and inventories. Practical examples, including the British Columbia Forest Service stumpage appraisal methods, are emphasized throughout this course.

Prerequisites: Mathematics 151-3, Forestry 153-3. (2,2)

FOR 282-3 FOREST FINANCE II (S)

Topics covered are: Critical Path Method for planning and project control; interest formulae and calculations as they apply to forest planning and harvesting.

Prerequisite: Forestry 281-3.

FOR 285-3 ROADS AND TRANSPORTATION I (F)

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 and 174-2. (3,3)

FOR 286-3 ROADS AND TRANSPORTATION II (S)

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

Prerequisite: Forestry 285-3. (3,3)

FOR 287-3 LOGGING I (F)

An introduction to interior and coast logging techniques and systems with emphasis on phase costing and machine application. Silvicultural and other environmental constraints on timber harvesting methods are examined.

Prerequisites: Mathematics 151-3, Forestry 162-3, 172-3, 174-2. (2,2)

FOR 288-3 LOGGING II (S)

Advanced logging techniques, basic equipment design, equipment maintenance, and the principles of logging management and cost control.

Prerequisites: Forestry 287-3, Forestry 281-3. (2,2)

FOR 299-3 BASIC LOGGING SCHOOL

Students completing the second year program will attend the C.N.C. logging school for three weeks during May.

FRENCH

- FREN 051 BEGINNER'S FRENCH I** (F)
A beginner's course designed to cover basic elements of the French language within a context of contemporary spoken French. (3,2)
- FREN 052 BEGINNER'S FRENCH II** (S)
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** (F)
Grammar and syntax are reviewed using an active audiolingual method. Conversation through discussion; oral reports in class and elementary composition based on written appreciations of literary selections with additional readings in French literature all assist the student.
Prerequisite: French 12. (3,2)
- FREN 102-3 INTERMEDIATE COLLEGE FRENCH II** (S)
A continuation of French 101-3.
Prerequisite: French 101-3. (3,2)
- FREN 103-3 INTRODUCTION TO COLLEGE FRENCH I** (F)
Simple grammatical constructions and syntax are developed in the context of idiomatic French, using an active audiolingual method. Selected readings in French literature form part of the material in this course.
Prerequisite: French 11 or French 052 (3,2)
- FREN 104-3 INTRODUCTION TO COLLEGE FRENCH II** (S)
A continuation of French 103-3.
Prerequisite: French 103-3. (3,2)
- FREN 151-3 CONVERSATIONAL FRENCH** (F)
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. (3,0)
- FREN 201-3 ADVANCED COLLEGE FRENCH I** (F)
Extensive conversation and dissertation will be based on a chronological survey of French literature from the middle ages to the end of the seventeenth century. There will also be a review of grammar and syntax through compositions and translations, to allow further development in this language.
Prerequisite: French 102-3. (3,1)
- FREN 202-3 ADVANCED COLLEGE FRENCH II** (S)
A continuation of French 201-3. French literature from the 18th century to the present forms the basis of this course.
Prerequisite: French 201-3. (3,1)

GEOGRAPHY

- GEOG 101-3 MAN'S SENSE OF PLACE:
AN INTRODUCTION TO GEOGRAPHY** (F)
The course serves as 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)
- GEOG 103-3 CANADA:
SOME GEOGRAPHICAL PERSPECTIVES** (S)
The theory and concepts of regional geography are applied to Canada. Regional identities are examined from a physical and human geographical viewpoint and landscape "personalities" developed. Some emphasis is given to contemporary problems of regional development in a North American context.
Prerequisite: Geography 101-3 or permission of the Instructor. (3,0)
- GEOG 105-3 THE GEOGRAPHY OF COMMUNICATION** (S)
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

 (F)

A geographical survey of the major resources and associated problems of the North Central Interior. (1,2)

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

 (S)

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 (1,2)

GEOG 201-3 WEATHER AND CLIMATE

 (F)

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.

Prerequisite: Geography 101-3 or permission of the Instructors. (3,3)

GEOG 202-3 THE SURFACE OF THE EARTH

 (S)

A continuation of Geography 201-3.

Prerequisite: Geography 201-3. (3,3)

GEOG 203-3 ECONOMIC GEOGRAPHY

 (F)

A geographic view of economic activities and behaviour, using both a "systems" and a "behavioural" approach. Traditional and more recent theories of Economic Geography will be examined in the light of these two approaches.

Prerequisite: Geography 101-3 or permission of the Department. (3,0)

GEOG 205-3 THE EVOLUTION OF THE CULTURAL LANDSCAPE

 (S)

An investigation of the dynamic nature of the Man/Land relationship in terms of the cultural, sociological, institutional, and psychological influences upon Man's use and organization of his environment.

Prerequisite: Geography 101-3 or permission of the instructor. (3,0)

GEOLOGY

GEOLOG 101-3 INTRODUCTION TO PHYSICAL GEOLOGY

 (F)

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)

GEOLOG 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)

GEOLOG 161-3 GEOLOGY FOR GENERAL INTEREST

 (S)

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)

GEOLOG 171-3 PROSPECTING I: INTRODUCTION TO PROSPECTING

 (F)

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)

GEOLOG 172-3 ADVANCED PROSPECTING

 (S)

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. (2,4)

GEOLOG 201-2 ENVIRONMENTAL GEOLOGY

 (F,S)

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. (2,0)

HISTORY

HIST 101-3 WORLD HISTORY: THE EARLY TWENTIETH CENTURY (F)

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 (S)

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 (F)

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 (S)

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 (F)

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 (S)

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 (S)

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)



HUMANITIES

HUM 101-9 HUMANITIES I (F)

A non-disciplinary program of liberal education. (9,3)

HUM 102-9 HUMANITIES II (S)

A continuation of Humanity 101-9. Course description and Program intent follows. (9,3)

HUMANITIES I

Humanities I, a program similar to the Arts I program at the University of British Columbia, is organized in a manner very different from traditional courses, for within the program there are no barriers between subject areas. Instead of studying English, Philosophy and History, students and instructors study books selected from a wide range of so-called "disciplines". In other words the course is "non-disciplinary"; discussion of books is not limited by the demands of a particular specialized subject.

Instructors and students will work together, reason together, and learn together. Instructors, each with a different background, will participate regularly in the program. Sometimes they will lecture, sometimes lead discussion groups and seminars. They will meet students individually to assess their progress and to help with difficulties.

The group will attend plays and films together, and participate in one or two weekend symposia during the year. Informal get-togethers will likely proliferate as the program progresses. By involvement in this common milieu, faculty and students will develop a sense of membership in a community of learners.

Sixty students will be accepted into Humanities I. They will receive credit for three courses per semester, and will be expected to remain in the program for two semesters. In order to receive credit for a full first year, two additional courses will have to be taken each semester.

MATHEMATICS

MATH 020 BASIC PREPARATORY MATHEMATICS (F.S.1.)

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 (F.S.1.)

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 Math or Math 020.

MATH 040 ADVANCED PREPARATORY MATH (F.S.1.)

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 Math or Math 030.

MATH 101-3 INTRODUCTORY CALCULUS (F)

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

Prerequisite: Mathematics 12 or Mathematics 040 (4,0)

MATH 102-3 CALCULUS AND LINEAR ALGEBRA (S)

This course is a continuation of Mathematics 101-3 with an introduction to Linear Algebra.

Prerequisite: Mathematics 101-3. (4,0)

MATH 103-3 FINITE MATHEMATICS (F.S.)

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. (3,0)

MATH 104-3 INTRODUCTION TO STATISTICS (F.S.)

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

MATH 150-3 BASIC MATHEMATICS (F)

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 FOR FOREST RESOURCE TECHNOLOGISTS (S)

Prerequisite: Credit granted in Math 150-3.

Topics include trigonometry, functions, analytic geometry, logarithms, curvefitting. (3,0)

MATH 154-3 MATHEMATICS OF FINANCE (S)

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

MATH 155-3 FORESTRY STATISTICS (S)

An introduction to general statistics including descriptive statistics, basic probability theory, and statistical inference. Problems and application will be drawn primarily from the Forest Industry. (3,0)

MATH 156-3 TECHNICAL MATHEMATICS FOR CONSTRUCTION TECHNOLOGISTS (F)

Topics include arithmetic operations, basic algebra, and trigonometry. Students successfully completing this course will receive the letter grade S. (3)

MATH 157-3 AN INTRODUCTION TO BUSINESS STATISTICS (F)

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

MATH 161-3 MATHEMATICS FOR MEDICAL LAB TECHNOLOGISTS

A review of basic algebra, linear and quadratic equations, logarithms, exponents, the slide rule, and an introduction to electronic calculators. (3,0)

MATH 201-3 ANALYSIS AND CALCULUS (F)

Topics include mathematical induction, the real number system, completeness, sequences, series, the limit of a function. The calculus of several variables is introduced.

Prerequisite: Mathematics 102-3. (4,0)

MATH 202-3 CALCULUS OF SEVERAL VARIABLES (S)

A continuation of Mathematics 201-3. Topics include: partial derivatives, chain rule, potential functions, maxima and minima, linear algebraic applications, to functions of several variables, multiple integration, Green's Theorem.

Prerequisite: Mathematics 201-3. (4,0)

MATH 203-2 GROUPS, RINGS, AND FIELDS (F)

This course is a brief introduction to the algebraic structures of groups, rings, and fields. (2,0)

MATH 204-4 LINEAR ALGEBRA (S)

The topics of this course will include vector spaces, subspaces, linear operators, scalar products, and eigen-vectors. (4,0)

MATH 207-3 BUSINESS STATISTICS I (F)

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. (3,1)

MATH 208-3 BUSINESS STATISTICS II (S)

A continuation of Mathematics 207-3.

Prerequisites: Mathematics 207-3. (3,1)

PHILOSOPHY**PHIL 101-3 MORAL PHILOSOPHY (F)**

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 (S)

An introduction to philosophical 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 (F)

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 (S)

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

MEDICAL LAB TECHNOLOGY**MLT 151-3 MEDICAL LABORATORY ORIENTATION I (F)**

A critical review of the basic theory and use of microscopes and precision instruments. (2,1)

MLT 152-3 MEDICAL LABORATORY ORIENTATION II (S)

An introduction to the principles of precision instruments and equipment and procedures of volumetric analysis. (1,2)

MUSIC**MUS 103-3 HISTORY OF MUSIC I (F)**

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. (3,1)

MUS 104-3 HISTORY OF MUSIC II (S)

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

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

PHYSICAL EDUCATION**P. E. 101-1 BASKETBALL (F)**

This course introduces the student to the skills, rules, offensive/defensive strategies, teaching methods, and techniques of basketball. (1,2)

P. E. 102-1 OUTDOOR ACTIVITIES (S)

An introductory course in orienteering, downhill skiing, cross country skiing, canoeing, and snowshoeing. Emphasis will be placed on methods and teaching techniques for the beginner. (1,3)



PHYSICS

PHYS 040 ADVANCED PREPARATORY PHYSICS (F.S.I.)

Basic physics at a grade 11-12 level. Topics include mechanics, electricity, magnetism, wave motion, heat, light, and sound.

Prerequisites: Mathematics 030 or the equivalent.

PHYS 101-3 INTRODUCTORY PHYSICS I (F)

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

Prerequisite: Mathematics 12 and Physics 12. (3,3)

PHYS 102-3 INTRODUCTORY PHYSICS II (S)

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

Prerequisite: Physics 101-3, or (with permission of the instructor) Physics 105-3. (3,3)

PHYS 105-3 GENERAL PHYSICS I (F)

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: Mathematics 11 or permission of instructor. (3,3)

PHYS 106-3 GENERAL PHYSICS II (S)

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

Prerequisite: Mathematics 11 or permission of instructor. (3,3)

PHYS 131-3 INTRODUCTION TO ASTRONOMY (F.S.)

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 (F)

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

Prerequisite: Physics 101, 105, or permission of instructor. (3,0)

PHYS 202-3 ELECTRICITY (S)

Topics include Kirchoff's laws for resistive circuits, power transfer, capacitors, inductances intransient and A.C. circuits using complex number methods. Also included are other topics of current interest.

Prerequisite: Physics 102, 106, or permission of instructor. (3,0)

PHYS 203-2 GENERAL LAB (S)

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.

Prerequisite: Physics 101, 105, or permission of the instructor. (0,6)

PHYS 204-3 MECHANICS (F)

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

Prerequisite: Physics 102-3, or permission of the instructor. (3,0)



POLITICAL SCIENCE

POSC 101-3 THE GOVERNMENT OF CANADA (S)

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 102-3 CONTEMPORARY IDEOLOGIES (F)

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

POSC 201-3 SELECTED PROBLEMS IN CANADIAN POLITICS (F)

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.

Prerequisite: Political Science 101-3. (3,0)

POSC 203-3 POLITICS AND SOCIAL LIFE (S)

An introduction to theories and methods of political analysis and their application to the study of social, cultural, and psychological context of political behaviour.

Prerequisite: Political Science 101-3 or 102-3. (3,0)

PSYCHOLOGY

PSYC 101-3 INTRODUCTION TO PSYCHOLOGY I (F.S)

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 102-3 INTRODUCTORY PSYCHOLOGY II (F.S)

A continuation of Psychology 101. Topics include thinking, language, intelligence and testing, personality theories, and personality assessment, mental health and behavioral disorders, with an introduction to Social Psychology.

Prerequisite: Psychology 101-3 or permission of the instructor. (3,0)

PSYC 151-3 GENERAL PSYCHOLOGY I (F)

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 (S)

Topics include thinking, language, intelligence and intelligence testing, personality theories, and personality assessment, mental health and behavioral disorders, with an introduction to Social Psychology. (3,0)

PSYC 153-3 HUMAN RELATIONS (S)

The study of people at work, how they may be motivated to work together to fulfill effectively the needs of the individual as well as the objectives of the organization. It commences by reviewing relations observable in the classroom. (3,0)

PSYC 157-1 INDUSTRIAL PSYCHOLOGY AND HUMAN RELATIONS I (F)

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 AND HUMAN RELATIONS (S)

This course deals with 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 Labour-Management Relations. (1,0)

PSYC 161-3 HUMAN SEXUALITY (F)

Learning about human sexual behaviour involves the intellectual and emotional domains of the mind. This course makes an attempt to accommodate both realms. It is designed to provide accurate information about patterns of human sexual behaviour, examine value attitude and develop skills and understanding of verbal and sensory communication. (3,0)

PSYC 201-3 EXPERIMENTAL PSYCHOLOGY I (F)

The course covers the basic principles of descriptive and inferential statistics and their application in psychological research. Highly recommended for majors in Psychology.

Prerequisite: Psychology 101-3 and 102-3; Grade 12 Mathematics or first year College Mathematics. (3,3)

PSYC 202-3 EXPERIMENTAL PSYCHOLOGY II (S)

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 (F)

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 (S)

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

Prerequisite: Psychology 203-3. (3,0)

PSYC 205-3 DEVELOPMENTAL PSYCHOLOGY I (F)

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.

Prerequisite: Psychology 101-3 and 102-3. (3,0)

PSYC 206-3 DEVELOPMENTAL PSYCHOLOGY II (S)

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.

Prerequisite: Psychology 205-3. (3,0)

PSYC 207-3 PSYCHOPATHOLOGY (F,S)

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. (3,0)

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

PSYC 251-3 PSYCHOLOGY OF ABNORMAL BEHAVIOUR (3,0)

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)

SOCIOLOGY

SOC 101-3 INTRODUCTION TO SOCIOLOGY I (F)

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. (3,1)

SOC 102-3 INTRODUCTION TO SOCIOLOGY II (S)

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: Sociology 101-3. (3,1)

SOC 203-3 CANADIAN SOCIETY I (F)

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.

Prerequisite: Introductory sociology or permission of the instructor. (3,0)

SOC 204-3 CANADIAN SOCIETY II (S)

A detailed examination of the literature concerning minority groups in Canada, their relationship to other social groups, sociological and anthropological approaches to minority groups, and an analysis of writings from minority groups within Canada.

Prerequisite: Sociology 203-3. (3,0)



SPANISH

SPAN 101-3 INTRODUCTORY SPANISH I (F)

An audio-lingual introduction to Spanish, designed to equip the student with the basic knowledge for communicating in Spanish. (3,2)

SPAN 102-3 INTRODUCTORY SPANISH II (S)

A continuation of Spanish 101-3.

Prerequisite: Spanish 101-3. (3,2)

SPAN 151-3 BASIC CONVERSATIONAL SPANISH (S)

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. (3,0)

SPAN 201-3 INTERMEDIATE SPANISH I (F)

A review of basic structures of Spanish and readings in Spanish and Spanish conversation. (3,2)

SPAN 202-3 INTERMEDIATE SPANISH II (S)

A continuation of Spanish 201. (3,2)

SURVEYING

SURV 151-2 CONSTRUCTION SURVEYING

Basic field surveying methods, notes and their interpretation. Included are the types of surveying instruments and their use. Measuring distances, levels, traverses and other elements of plane surveying will be covered. This course is intended to familiarize a student with surveying techniques used in construction, not to make qualified surveyors. (1½, 1½)



THEATRE

- THT 101-3 INTRODUCTION TO THEATRE I** (F)
A survey of the history of theatre and drama from the beginning to the Renaissance. An introduction to dramatic criticism. Recommended for prospective teachers. (3,2)
- THT 102-3 INTRODUCTION TO THEATRE II** (S)
Continuation of historical survey with an emphasis on the emergence of modern theatrical styles; the theatre as a social institution, the theatre as a collaborative art: the director, actor and designer.
Prerequisite: Theatre 101-3. (3,2)
- THT 121-3 INTRODUCTION TO ACTING I** (F)
The fundamentals of acting: theory, speech and movement; choral work, individual scenes in conjunction with major productions. Recommended for prospective teachers. (2,4)
- THT 122-3 INTRODUCTION TO ACTING II** (S)
A continuation of Theatre 121-3.
Prerequisite: Theatre 121-3. (2,4)
- THT 201-3 MODERN THEATRE HISTORY** (F)
An in-depth study of the emergence of styles; dramatic criticism.
Prerequisites: Theatre 102-3. (3,0)
- THT 202-3 THE CONTEMPORARY STAGE** (S)
Experimental styles since 1920: Epic Theatre, modern realism, the "Theatre of the Absurd", environmental theatre, the theatre of protest. Dramatic criticism; the emergence of film and television.
Prerequisite: Theatre 201-3. (3,0)

- THT 231-3 FILM APPRECIATION** (F)
Hollywood: major genres (western, gangster, musical, etc.); an introduction to film form and cinematic techniques; major project illustrating the impact of Hollywood on our culture. (3,2)
- THT 232-3 FILM APPRECIATION II** (S)
Primarily a laboratory course following the theoretical background introduced in Theatre 231, emphasis will be placed on the principles and practical techniques of film editing. Laboratory projects will include practice in film composition, cutting, sound and animation.
Prerequisite: Theatre 231-3. (1,3)
- THT 241-3 STAGECRAFT** (F)
Stagecraft techniques, scenery construction, an introduction to stage lighting, costumes, makeup and sound reproduction. Practical participation in productions. (0,6)
- THT 242-3 STAGECRAFT** (S)
A continuation of Theatre 241-3. (0,6)
- THT 263-3 INTERMEDIATE ACTING** (F)
An in-depth study and practice in the fundamentals of acting; speech, mime, movement, character. Practice in historical style; role preparation, performance. An average of eight hours per week.
Prerequisite: Theatre 122 and permission of instructor. (4,6)
- THT 264-3 INTERMEDIATE ACTING** (S)
A continuation of Theatre 263. (4,6)
- THT 271-3 ADVANCED ACTING** (F)
A concentration on acting skills: speech, mime, movement, styles of acting.
Prerequisite: Theatre 122-3. (2,6)
- NOTE:** See description of Theatre Arts program.
- THT 272-3 ADVANCED ACTING** (S)
A continuation of Theatre 271-3.
Prerequisite: Theatre 271-3. (2,6)
- THT 281-3 STAGE PRODUCTION** (F)
Advanced scenery techniques; lighting design and execution, fundamentals of electricity, audio-visual techniques in relation to the stage, stage design, stage management.
Prerequisite: Theatre 241, 242. (0,6)
- THT 282-3 STAGE PRODUCTION** (S)
A continuation of Theatre 271-3.
Prerequisite: Theatre 271-3. (0,6)
- THT 291-3 ADVANCED STAGECRAFT** (F)
Apprenticeship level training in Theatre Technology. The fundamentals of electricity, lighting, stagecraft, costumes, sound production, stage management. Practice in the use of new materials for the stage; scene painting techniques. A minimum of six hours per week.
Prerequisite: Theatre 242 or permission. (4,6)
- THT 292-3 ADVANCED STAGECRAFT** (S)
A continuation of Theatre 291. (4,6)

ZOOLOGY

- ZOO 201-3 COMPARATIVE ANATOMY OF THE VERTEBRATES** (F)
A systemic 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** (S)
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)

COMMUNITY EDUCATION SERVICES

Community Education Services is a flexible arm of the College designed to meet the educational needs of communities within and outside the College Region. Course offerings vary from General Interest (non-credit), Technical (credit), Vocational (credit), and Academic (College credit/University transfer). Special workshops, seminars, 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
College of New Caledonia
2001 - Central Street
Prince George, British Columbia.
V2N 1P8

FEES:

Part-Time Students: Academic/Technical Courses - (Students enrolled in fewer than 15 credit hours)

- | | |
|--|-----------------------|
| (a) In region and other region students | |
| Per Course (3 credits) | |
| Tuition | \$25.50 Per Semester* |
| I.D./Library Card | \$ 1.00 Per Year |
| (b) Out of region students | |
| Per Course (3 credits) | |
| Tuition | \$36.00 Per Semester* |
| I.D./Library Card | \$ 1.00 Per Year |

NOTE: Part-time students enrolled in other than 3 credit hours courses will be charged fees as follows:

- | | |
|--|--------------------------|
| (a) In region and other region students | |
| Tuition | \$ 8.50 Per Credit Hour* |
| (b) Out of region students | |
| Tuition | \$12.00 Per Credit Hour* |

Part-Time Students: Vocational/General Interest Courses - Fees vary according to the nature and length of the course.

NOTE: No Fees will be charged to Senior Citizens.

Payment of Fees: Fees are payable the first night of classes. Payment by cheque is preferred. Cheques will be held until class commences. If class does not commence fees are refunded in full. Special financial assistance is available to qualified part-time students. For further information contact your local Adult Education Director or area College representative.

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

*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.

GENERAL STUDIES PROGRAMS

GENERAL STUDIES PROGRAMS

Students are not restricted to enrolling in a program of courses leading to a specific diploma or certificate.

Those with special interests may elect to select their own program from among any of the courses offered throughout the College - combining courses from all program areas if they wish.

Some students may wish to select a combination of Technical program courses and University transfer courses to gain some specific knowledge that may be applied to a job after two years, while at the same time retaining the flexibility of transferring to a degree program at a later date with many of the academic requirements fulfilled.

Other students may wish to augment their Vocational program by enrolling in courses from other programs offered at convenient times with a view to completing a College diploma through evening classes once they have completed a Vocational program.

Each course is assigned a specific number of semester hours of credit, and each vocational program is also assigned a specific number of semester hours of credit. To obtain the C.N.C. GENERAL STUDIES diploma a student must accumulate a total of 60 semester hours of College credit. To obtain the C.N.C. certificate students must complete the specific courses outlined in the following certificate program descriptions.

In addition to assist students who may wish to concentrate in one area without enrolling in a complete program a number of General Studies options are included in this section of the calendar.

These are specific options and will be designated as such on the diploma awarded. Students who select courses and programs that total 60 semester hours of credit which fall outside these specific options will be awarded the C.N.C. GENERAL STUDIES diploma.

GENERAL STUDIES DIPLOMA

Business Option

Requirements for the Diploma:

1. Completion of the required courses
2. Completion of 15 semester hours of credit in other Business, EDP or Economics courses.
3. Completion of electives to total 60 semester hours of credit including the above requirements.

Required Courses:

EDP 151-3
BUS 103-3 or 153-3
BUS 101-3 or 151-3
BUS 257-3
BUS 258-3



GENERAL STUDIES DIPLOMA

Commercial Option

Requirements for the diploma:

1. Completion of the required courses
2. Completion of electives to total 60 semester hours of credit, including the above requirement.

Requirements:

Completion of 18 semester hours of credit in a commercial program and completion of 18 semester hours of credit in Business, E.D.P., or Economics.

GENERAL STUDIES DIPLOMA

Drafting Option

Requirements for the Diploma:

1. Completion of the required courses.
2. Completion of electives to total 60 semester hours of credit, including the above requirement.

Required courses:

Completion of the Drafting program

GENERAL STUDIES DIPLOMA PROGRAMS

INDUSTRIAL OPTION

Requirements for the diploma:

1. Completion of the required courses.
2. Completion of electives to total 60 semester hours of credit, including the above requirement.

Required Courses:

EITHER — Completion of the General Welding program.

OR — Completion of any one of the following programs:
Automotive Mechanical Repair (pre-app.)
Heavy Duty Mechanics (pre-app.)
Heavy Equipment Operating
Small Engine Repair
and completion of 12 semester hours of credit in Business or EDP courses.



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 I

Literature and Composition I	ENGL 101-3
History of Art I	ART 103-3
Design Fundamentals I	ART 101-3
Drawing	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 II

Literature and Composition II	ENGL 102-3
History of Art II	ART 104-3
Design Fundamentals	ART 102-3
Drawing	ART 166-3

Plus a continuation of first semester electives.

Semester III

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 IV

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.

GENERAL STUDIES DIPLOMA

Early Childhood Education Option

Requirements for the Diploma:

1. Completion of the required courses.
2. Completion of at least 14 semester hours of credit in other Early Childhood Education or Psychology courses.
3. Completion of electives to total 60 semester hours of credit including the above requirements.

Required courses:

Human development	ECE 151-3
Philosophy of Early Childhood Education	ECE 154-3
Health	ECE 272-2
Nutrition	ECE 273-2
Exceptional Children	ECE 253-2
Family in Society	ECE 251-3

GENERAL STUDIES DIPLOMA

Health Sciences Option

Requirements for the Diploma:

1. Completion of the required courses.
2. Completion of electives to total 60 semester hours of credit, including the above requirement.

Required courses:

EITHER — Completion of the Dental Assistant program
OR — Completion of the Practical Nursing program.

GENERAL INFORMATION

ADMISSION

General admission requirements are detailed for all programs in their respective sections in the calendar. In addition specific prerequisites are listed for each program.

Residents of school districts 28 (Quesnel), 54 (Smithers), 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 for some programs.

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.

Specific Admission Requirements

See requirements listed in the general description of each program.

Admission Procedure

See specific details listed for each program.



GRADES AND GRADE POINTS

C.N.C. uses alphabetic symbols to report academic success. Each grade is assigned a numerical weight or grade point, that is used to determine the grade point average.

C.N.C. uses the following letter grades and grade points:

Letter Grade		Grade Points
A	Distinguished Achievement The student distinguishes himself consistently in examinations, reports and class participation.	4.0
B+	Outstanding Achievement	3.5
B	Superior Achievement The student exhibits consistent mastery of the course and is able to relate the course content to other knowledge.	3.0
C+	Above Average Achievement	2.5
C	Average Achievement The student exhibits sufficient comprehension of the subject matter to indicate success in more advanced courses in the same field.	2.0
P	Below Average Achievement The student is granted College credit for the course but cannot be guaranteed credit for the course in another institution. Permission is required to continue in a sequential course.	1.0
F	Fail – No credit Granted	0.00
I	Incomplete Grade and credit withheld until all requirements of the course have been met. This will require completion of all required work within 4 weeks of the last day of classes or an "F" grade will be assigned.	*
S	Credit granted. Course requirements have been satisfactorily completed. This grade is assigned where a course is successfully challenged.	*
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.	*

* 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 × 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, but both grades will be recorded on the student's permanent record. Students repeating courses must advise the Student Services officer, to ensure only the highest grade point is included in the calculation of their G.P.A.

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 one dollar.

ACCOMMODATION AND HOUSING

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 and Sixth Avenue. Fifty-four male and female students can be housed at the residence, and five bed and two bed units are available. Normally the two bed units are for students in semester length programs, with the five bed units being 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.

Students wishing to apply for a bed in the residence are advised to do so during August of the year in which they will be attending C.N.C. Application forms and detailed information sheets are available at the Student Services Office.

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.

ATHLETICS

Intercollegiate

College sponsored teams compete in the Commercial Hockey League, the Men's Basketball League and the Commercial Curling League in Prince George. In addition these teams play in exhibition intercollegiate events. There are opportunities for other College sponsored teams to be established. Interested students should contact Student Services.

Intramural and Recreation

An extensive intramural schedule is established in the fall, allowing for group and individual participation in activities such as:

- Golf
- Curling
- Basketball
- Volleyball
- Touch Football
- Floor Hockey
- Badminton
- Skiing
- Skating
- Table Tennis
- Weight Lifting

Contact Student Services for information, or check the Athletics noticeboard outside the Student Services Office.

Note: Students participate in intercollegiate and intramural activities at their own risk.

BOOKSTORE

A bookstore is located in the basement 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-Friday 8:30 a.m.-12 noon; 1:00 p.m.-4:30 p.m.

CAFETERIA

A small coffee shop operated by the C.N.C. Student Association is located in the basement of the Vanderhoof Building. Light lunches and snacks are available.

Cafeteria hours:

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



CLUBS

The opportunity exists for students to establish a variety of clubs. The Student Services office is always ready to assist. Please contact us if you need help in getting a club off the ground. Faculty and staff members are always ready to help students establish extra curricular activities. During the 1974-75 academic year interest was expressed in the following clubs.

ARCHAEOLOGY
AUTO MECHANICS
BASKETBALL
BIOLOGY
CHESS
CROSS COUNTRY SKIING
DEBATE
DRAMA
GEOTRUCKERS EXPLORATION SOCIETY
GOLF
HIKING
MOUNTAINEERING
MUSIC
NEWSPAPER
OUTDOOR ACTIVITIES
PHOTOGRAPHY
PSYCHOLOGY
RADIO
SKIING
STUDENT ASSOCIATION
VOLLEYBALL

COUNSELLING

The Counselling Centre is located on the main floor 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 through Thursday 8:30 a.m.-6:00 p.m.
Friday 8:30 a.m.-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 in 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 from 9:30 a.m. to 1:00 p.m. Monday and Wednesday. 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 will.

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.

LIBRARY

Located at the east end of the Smithers 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 3:30 p.m.

STUDENT ASSOCIATION

The C.N.C. Student Association is a voluntary group of students interested in developing the students' role in the decision making processes, as well as establishing social and recreational events for students. Contact the Student Services Office for information on meeting times.





STUDENT LOUNGE

The Log Building between the Quesnel and Smithers Building Has been assigned by the College for the exclusive use by students as a lounge. Relax — play ping-pong — or whatever.

Hours open:

Monday through Thursday — 24 hours a day.

Friday through Sunday — 8:30 a.m.-5:30 p.m.

STUDENT SERVICES OFFICE

The Student Service department is responsible for the following functions:

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

The main Student Service Office is located in the Vanderhoof Building, main floor.

Office hours:

Monday through Thursday 8:30 a.m.-6:15 p.m.

Friday 8:30 a.m.-5:00 p.m.

STUDY SKILLS

The study skills centre is located in the Vanderhoof Building, main floor. Professional help is available to assist you through individual programs. Students encountering difficulties keeping up with their reading, taking notes, or writing papers are invited to drop in. From time to time throughout the year the centre offers general reading improvement programs to the community. Registered students may enroll in these programs at no cost. Check Student Services for information.

Study Assistance Centre Hours:

Monday through Thursday 9:00 a.m. to 9:00 p.m.

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



FINANCIAL ASSISTANCE

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

CANADA STUDENT LOANS PLAN

The purpose of the Canada Student Loans Plan is to assist students whose resources are insufficient to provide for the cost of full-time studies at the post-secondary level of education.

Assistance under the program is, therefore, granted only where the financial resources available to students from parents, summer work, or other sources are insufficient to meet their educational expenses. Need for loan assistance is determined by Provincial Loan Authorities in accordance with Administrative criteria established for use throughout Canada. A Parental contribution table is an integral part of the criteria and it is applied in all cases where the student has not established financial independence as defined in the Canada Student Loan Plan. Students are expected to save a substantial amount of income from summer or other employment. Lack of funds due to unessential spending may not be considered as unavoidable need for loan assistance.

Students must apply for a loan to the appropriate authority of their province of residence. Students are considered to be a resident of the province or territory in which their parents live at the time they apply or (if married or qualify as independent) of the province in which they last lived for at least twelve consecutive months excluding periods spent in post-secondary education.

The maximum loan amount that may be authorized to a student for a full academic year is \$1800.00.

Loans are provided interest-free during the period the student is enrolled in a course of studies, and for six months afterwards. Once the interest-free period has expired, the student becomes responsible for payment of principal and interest at a rate not to exceed the rate in effect at that time.

Application forms are available in the Student Services office.



PROVINCE OF BRITISH COLUMBIA GRANTS

1. Full-time Assistance Program

The Government of the Province of British Columbia annually provides funds to assist students who are residents of this Province to commence or continue an acceptable full-time program of post-secondary studies at designated post-secondary educational institutions.

The B.C. Full-time Assistance Program is administered in conjunction with the Canada Student Loans Plan, its purpose being to enable qualified needy students to reduce the amount of indebtedness they must incur to continue their post-secondary education. As the Provincial Assistance Program provides free grants of money from public funds, students and the parents must accept the principle that they are primarily responsible for provision of the funds required for the expenses of post-secondary education. The B.C. Assistance Program and the Canada Student Loans Plan make available means to supplement funds available from student/family resources.

The amount of assistance granted to an applicant depends upon the total amount of his financial need as determined under the Regulations of the Canada Student Loans Plan. The first \$200 of assessed need (\$100 in the case of single semester applications) will be given in grant funds. The remaining need will be met on a 50% grant, 50% loan basis to a total maximum grant of \$1,500 (including the initial \$200) and total loan of \$1,800.00 per educational year.

To qualify for a Province of B.C. Grant under the Full-time Assistance Program, a student must:

- a. register as a full-time student; full-time defined as 60% of a full program of study;
- b. comply with the criteria of the Canada Student Loans Plan, as administered by the Provincial Authority of British Columbia;
- c. submit in accordance with the instructions stated in the form a fully completed Application For Financial Assistance;
- d. have been resident in this Province for not less than twelve consecutive months prior to the first day of the month in which he commences the program of study for which he seeks financial assistance;
- e. have completed successfully his last previous full-time course load for an academic year of two terms or two semesters;
- f. in the case of Vocational students be enrolled in a program of six months' duration or longer;

Application forms may be obtained from the Student Services Office and should be submitted to the Financial Awards Officer, C.N.C.

2. Special Assistance Program

This program is intended to assist British Columbia students enrolled in public Post-Secondary Institutions who do not qualify under the regulations governing the Program of Assistance designed for full-time students.

Applicants should be enrolled in less than 60% of a full course program, at a Post-Secondary College or University in the Province of British Columbia.

Students who are enrolled in Vocational courses at public post-secondary institutions of less than 26 weeks in duration are also eligible for funds under the Special Assistance Program. Normally approved programs of study will include only credit courses leading to a certificate, diploma or first degree.

Grants in value up to \$250.00 per educational year will be provided to assist individuals to meet tuition, book, and related educational expenses.

Application forms may be obtained from the Student Services 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 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 — \$40.00 per month

Students enrolled in full-time programs — \$50.00 per month

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

- a. Apply to the Registrar 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.

C.N.C. Emergency Loans of up to \$50.00 are available from the Counselling Department.



FACULTY & ADMINISTRATION (January 1975)

H. Allgaier	B.A., M.A.	English	F. Léonard	B.A., M.A.	History
E. Anderson	B.Sc.	Medical Laboratory Technology	A. Leveridge	Dip. Tech., C.I.M., C.D.P.	Director Computer Center
H. W. Anderson		Heavy Duty Mechanics	T. McDonald	B.Sc., M.A.	Psychology
L. Anderson		Welding	B. McKinnon	B.A., M.A.	English
L. Backman		Dental Assistant	A. McVey	M.A., M.A.	Geography
M. Baehr	B.A.	Commercial	A. Mackie		Log Building Construction
C. Bardal	B.S.F., R.P.F.	Forestry	R. Maida	B.A., M.S.	Counsellor
M. Barrena	B.A., M.A.	Spanish	J. Maisonneuve	R.N.	Practical Nursing
P. Beckmann	B.Sc., M.Sc.	Mathematics	B. Malcolm	B.Sc., M.Sc.	Chemistry
W. Blits		Small Engine Repair	M. Maloney		Commercial
A. Brown		Commercial	R. Martin		Welding
S. Burgess		Heavy Equipment Operator	R. Miller	B.Sc.	Business Administration/ Electronic Data Processing
G. Butterworth		Millwright			Physics
M. Croken	R.N.	Practical Nursing	B. Nelson	B.Sc., M.Sc., Ph.D.	B.T.S.D./C.N.C. Preparatory Program
D. Chipman		Business Administration	M. Nicholás	B.Sc.	Commercial General
D. Crampton	B.A.	B.T.S.D./C.N.C. Preparatory Program	F. Nordin		Drafting
J. Crow	B.Sc., Ph.D.	Chemistry	E. Peacock		Automotive
A. Cunningham		Basic Logging	G. Powers		Librarian
A. Danesh	B.A., M.A.	Political Science/Sociology	B. Pulham	B.A., M.L.S.	Basic Logging
K. Dawson		Vocational Extension	I. Reaugh		B.T.S.D./C.N.C. Preparatory Program
A. Dayle		Dean of the Vocational Technical Programs	E. Ritch	B.Sc.	Counsellor
A. Deas	B.Sc., M.Sc.	Physics	P. Roberts	B.P.E.	Business Administration
L. Denter		Bursar	P. Robinson	B.Com., M.B.A.	Construction Technology
B. Dickens	B.S.F., R.P.F.	Forestry	P. Roche		Diploma Nursing
A. Dumas	B.Sc., P.Eng.	Construction Technology	A. Rok	R.N., B.Sc.N.Ed., M.Ed.	Psychology
B. Dunsmore	B.S.F.	Forestry	D. Rubadeau	B.A., M.Sc., Ph.D.	B.T.S.D./C.N.C. Preparatory Program
P. Durkee	B.B.A., M.A.	Economics	W. Rush	B.Sc.	Business Administration
E. Faulkner	B.Sc., M.Sc., Ph.D.	Geology	L. Sampson	B.A., B.S.W., M.S.W.	Study Skills
C. Fortin		Welding	T. Sawtell	B.A., M.Ed.	Dean of Student Services
M. Gee	B.Ed., Comm. Cert., F.T.M. (Dip.)	B.T.S.D./C.N.C. Preparatory Program	R. Scales	B.A., M.A.	Geography
F. Gelin	B.A., M.A., Ph.D.	Dean of Arts & Science Division	K. Sedgwick	B.A., M.A., M.L.Sc.	Librarian
E. Genser	B.Ed., M.Ed.	Art	P. Seens	B.A., M.A.	English/Humanities
A. Giesbrecht	R.N., B.Sc.N.	Practical Nursing	S. Shaffer		Heavy Duty Mechanic
J. Gillespie	B.S.F.	Forestry	J. Sketchley	B.A., B.D., Ph.D.	Principal
G. Girvan	B.A., M.A.	French	F. Speckeen	B.S.Ed., M.Ed.	Study Skills
R. Green	B.Com., C.A.	Commercial/Business Administration	T. Stageberg		Basic Logging
J. Greenberg	B.A.	Early Childhood Education	S. Stefanson		Director Food Services
J. Harris	B.A., M.A.	English	L. Teygeman		Recreation Co-ordinator
G. Heinzmann	R.N.	Practical Nursing	R. Thorsen	B.P.E., M.P.E.	Dean of Community Education Services
D. Hopp	B.Sc., M.Sc., Ph.D.	Biology	T. Toulson	B.A., M.A.	Art
B. Husband	B.Com., B.L.Sc., M.B.A.	Librarian	V. Trevellyan	B.F.A., M.F.A.	Anthropology
G. Ingalls	B.A.	Philosophy	G. Tunnell	B.S., M.A.	Early Childhood Education
R. Insley	B.Sc., M.Sc.	Mathematics	A. Waters	B.H.Ec.	English
G. Jackson		B.T.S.D.	J. Waters	B.A., M.A.	Forestry
C. Jarosch	B.S.A.	Biology	B. Watters	B.A.Sc., P.Eng., R.P.F.	Technical
I. Johnston	B.Sc., B.A., M.A.	English/Humanities	K. White	B.A., M.A.	Theatre
J. Keefe	R.P.F.	Forestry	L. Bryce		Practical Nursing
D. Kos	B.Sc., M.A.	English			



ADVISORY COMMITTEES

BUSINESS ADMINISTRATION, COMMERCE AND E.D.P.

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Mr. F. Wall
Mr. D. McIvor
Mr. D. Boughie

Mr. V. Dean
Mr. J. Evans
Mr. J. Ullstrom

Mr. C. Bristow
Mrs. M. Sieck

Prince George Regional Hospital
Bank of Montreal, Prince George, B.C.
Canada Permanent Trust,
Prince George, B.C.
Prince George Pulp and Paper
Woodwards, Prince George, B.C.
Prince George Pulp and Paper
Northwood Pulp and Timber,
Prince George, B.C.
Aurora Data Centre, Prince George, B.C.
Citizen Newspaper, Prince George, B.C.
Gardner McDonald Ltd.,
Prince George, B.C.
Canada Manpower, Prince George, B.C.
Medical Records,
Prince George Regional Hospital

BASIC LOGGING

Mr. G. Burns
Mr. K. Watson
Mr. B. Stowell
Mr. J. Togyi
Mr. V. Scoffield

Mr. G. Kirchke

Mr. D. Morris
Mr. H. Lloyd

Mr. D. Flynn

Canada Manpower, Prince George, B.C.
Northwood Pulp, Prince George, B.C.
The Pas Lumber Co., Prince George, B.C.
Takla Logging, Prince George, B.C.
Council of Forest Industries,
Prince George, B.C.
Central Interior Loggers Assoc.,
Prince George, B.C.
Takla Logging, Prince George, B.C.
Howard Lloyd Logging,
Prince George, B.C.
North Central Plywood,
Prince George, B.C.

CONSTRUCTION TECHNOLOGY

Mr. D. H. Boulton
Mr. G. Creuzot

Mr. J. R. Lewis

Mr. K. A. Lunn

Estimator, Prince George, B.C.
Housing and Development,
Prince George, B.C.
Consulting Engineer,
Prince George, B.C.
Mechanical Contractor,
Prince George, B.C.

Mr. T. A. Morrow
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Mr. J. Row

Mr. M. Sambod

Mr. P. Sorensen

Mr. E. Unger

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Mr. D. McKay

Mr. K. Elliott

Mr. H. Lloyd

Mr. T. Mogensen

Mr. D. Little

Architect, Prince George, B.C.
President,
P.G. Construction Association,
Prince George, B.C.
General Contractor,
Prince George, B.C.
Electrical Contractor,
Prince George, B.C.
Secretary-Manager,
P.G. Construction Association,
Prince George, B.C.
General Contractor,
Prince George, B.C.
Architect, Prince George, B.C.

FOREST RESOURCE TECHNOLOGY

Flynn Bros. Logging,
Prince George, B.C.
Prince George Pulp Ltd.,
Prince George, B.C.
West Fraser Timber Ltd.,
Quesnel, B.C.
Eurocan Pulp & Paper Ltd.,
Burns Lake, B.C.
B.C. Forest Service,
Prince George, B.C.
Takla Logging Ltd., Prince George, B.C.
Carrier Lumber Co., Prince George, B.C.
Netherlands Overseas Mills Ltd.,
Prince George, B.C.
Industrial Forestry Service,
Prince George, B.C.
Ferguson Lake Sawmills Ltd.,
Prince George, B.C.
B.C. Forest Products Ltd.,
Prince George, B.C.
Lloyd Bros. Logging Ltd.,
Prince George, B.C.
International Woodworkers of America,
Prince George, B.C.
Northwood Pulp and Paper Ltd.,
Prince George, B.C.



DRAFTING

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Department of Highways
Prince George, B.C.
Mr. Tom West
Mr. Stuart Ross
Mr. L. Smeds
Mr. S.H. Back
Prince George, B.C.
Northwood Pulp & Paper Ltd.,
Prince George, B.C.
Mr. L. Bartell
Prince George, B.C.

D. Sterling
Chandler Park Junior Secondary School
Smithers, B.C.
R. Tibbetts
Prince George College
Prince George, B.C.
Smithers, B.C.
G. Williams
G. Ingalls,
F. Speckeen,
T. Toulson,
R. Watters,
C.N.C.

EARLY CHILDHOOD EDUCATION

L. Strachan
P.G. Day Care Society Coordinator
Prince George, B.C.
J. Rogowski
Willow Day Care, Prince George, B.C.
K. LaVoie
School District #57, Prince George, B.C.
L. Mann
Teacher, Houston, B.C.
C. Thompson
Teacher, Vanderhoof, B.C.
D. Rubadeau
College of New Caledonia
Prince George, B.C.
A. McGill
Lakewood Day Care, Prince George, B.C.
P. Pullen
Northern Interior Health Unit
Prince George, B.C.
M. Luttrell
Northern Interior Health Unit
Prince George, B.C.
J. Wall or P. Sallis
Family Day Care Association
Prince George, B.C.

Dr. D. Bowler
Dr. J.E. Fahey
Dr. D. Waller
Dr. R. Bandfield

DENTAL ASSISTING

Prince George, B.C.
Prince George, B.C.
Prince George, B.C.
Prince George, B.C.

DIPLOMA NURSING

K. Alguire
Mr. B. Boyd
Student, P.G.S.S.S., Prince George, B.C.
Prince George Regional Hospital,
Prince George, B.C.
Mrs. K. Green
Mr. R. Hooker
Ms. L. Kaminski
G.R. Baker Hospital, Quesnel, B.C.
P.G.S.S.S., Prince George, B.C.
Obstetrical Services Supervisor,
Prince George Regional Hospital
Ms. C. Kermacks
Registered Nurses' Association of B.C.,
Vancouver, B.C.
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Burns Lake and District Hospital,
Burns Lake, B.C.
Mr. W. Martens
Mrs. S. Merrick
Businessman, Vanderhoof, B.C.
Prince George Regional Hospital,
Prince George, B.C.
Dr. A. Mooney
Mr. M. Neylan
T.J. Olson
Physician, Vanderhoof, B.C.
B.C. Medical Centre, Vancouver, B.C.
Northern Interior Health Unit
Prince George, B.C.
Mrs. M.E. Pozer
Prince George Regional Hospital
Prince George, B.C.
P. Pullen
Northern Interior Health Unit
Prince George, B.C.
Mrs. M. Seens
Northern Interior Health Unit
Prince George, B.C.
Ms. E. Sparks
Prince George Regional Hospital
Prince George, B.C.
Dr. F.J. Speckeen
College of New Caledonia
Prince George, B.C.
Dr. J.P. Staniland
College of New Caledonia
Prince George, B.C.
R. Thompson
University of British Columbia
Vancouver, B.C.
ex-officio members, College of New Caledonia Faculty and Administration:
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Joan Maisonneuve
Adam Rok
R. Watters
Dean of Arts and Science
Coordinator, Practical Nursing Program
Coordinator, Diploma Nursing Program
Acting Dean, Technical Vocational
Division

NATIVE STUDIES

B. Allen
B. Bryant
A. Cadieux
H. George
M. George
Lejac School, Fraser Lake, B.C.
Smithers, B.C.
Prince George, B.C.
Prince George, B.C.
Dept. of Indian Affairs
Prince George, B.C.
E. John
Native Friendship Centre
Prince George, B.C.
F. Lanigan
B.C. Assn. of Non-Status Indians
Prince George, B.C.
C. Louie
Band Manager, Stelako Band
Fraser Lake, B.C.
M. McGuire
B.C. Assn. of Non-Status Indians
Prince George, B.C.
W. Marcellais
H. Morin
Native Court Worker & Counselling
Assn. of B.C., Prince George, B.C.
J. Mueller
M. Mueller
E. Patsey
I. Prince
N. Prince
J. Quaw
Doh Day-de-claa Friendship Centre
Prince George, B.C.
Prince George, B.C.
Prince George, B.C.
Prince George, B.C.
Band Manager, Stony Creek Band
Vanderhoof, B.C.
R. Sebastian
R. Seymour
Hazelton, B.C.
Chairman, Lakes District Chiefs
Prince George, B.C.



MEDICAL LABORATORY TECHNOLOGY

R. Cavey

V. Fraser

T. Dawkins

Prince George Regional Hospital
Prince George, B.C.
Prince George Regional Hospital
Prince George, B.C.
Prince George Regional Hospital
Prince George, B.C.

PRACTICAL NURSING

Miss E. Sparks
Mr. W. Ayotte
Mrs. S. Merrick
Miss P. Pullen
Mrs. E. Gerdes
Mrs. K. Green

Prince George Regional Hospital
Prince George Regional Hospital
Prince George Regional Hospital
Department of Public Health
Department of Public Health
G.R. Baker Hospital, Quesnel, B.C.

WELDING

G. Juraschka

J. Wiren

H. Hausot

M. Wilson
D. Yorston

Prince George Pulp and Paper Ltd.
Prince George, B.C.
Northwood Pulp & Paper Ltd.
Prince George, B.C.
Hausot Bros. Welding & Fabricating
Prince George, B.C.
Finning Tractor Ltd., Prince George, B.C.
Q.M. Machinery, Prince George, B.C.

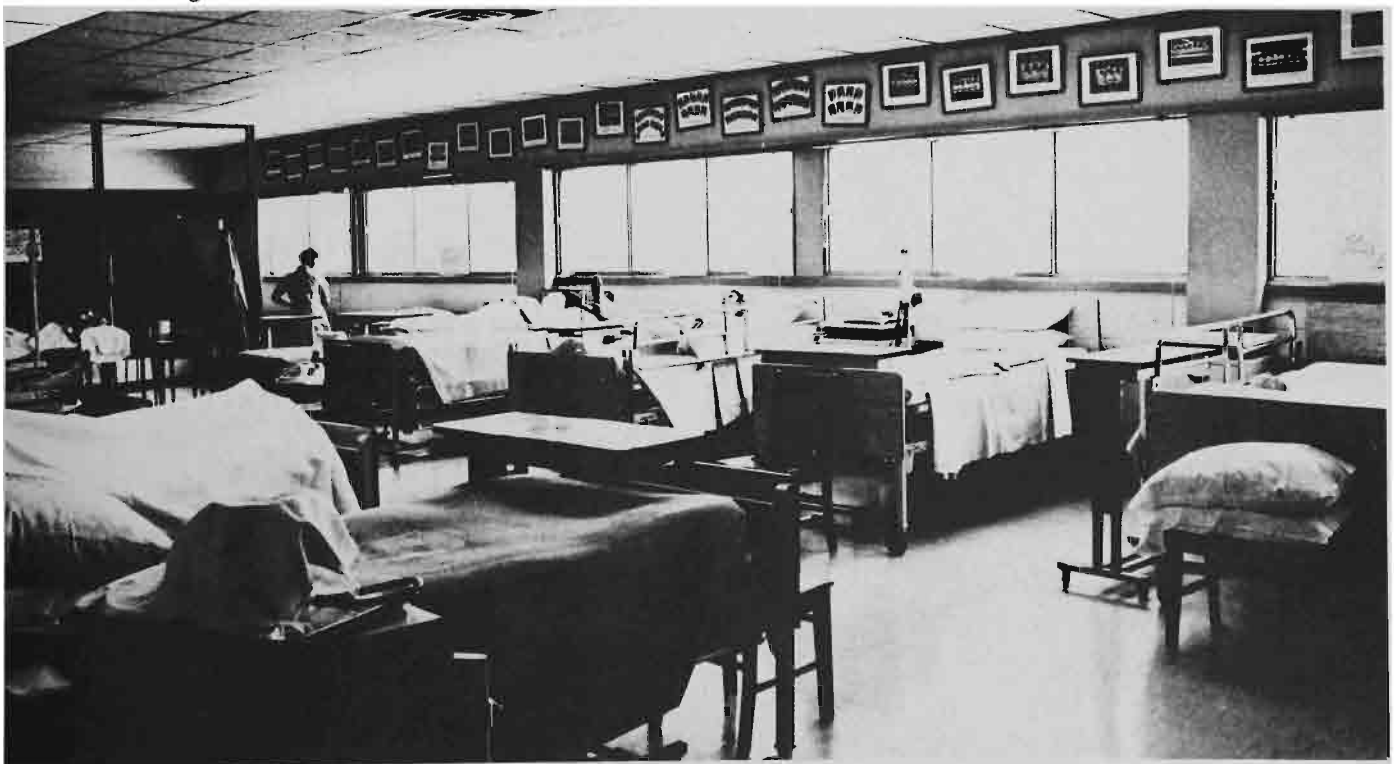


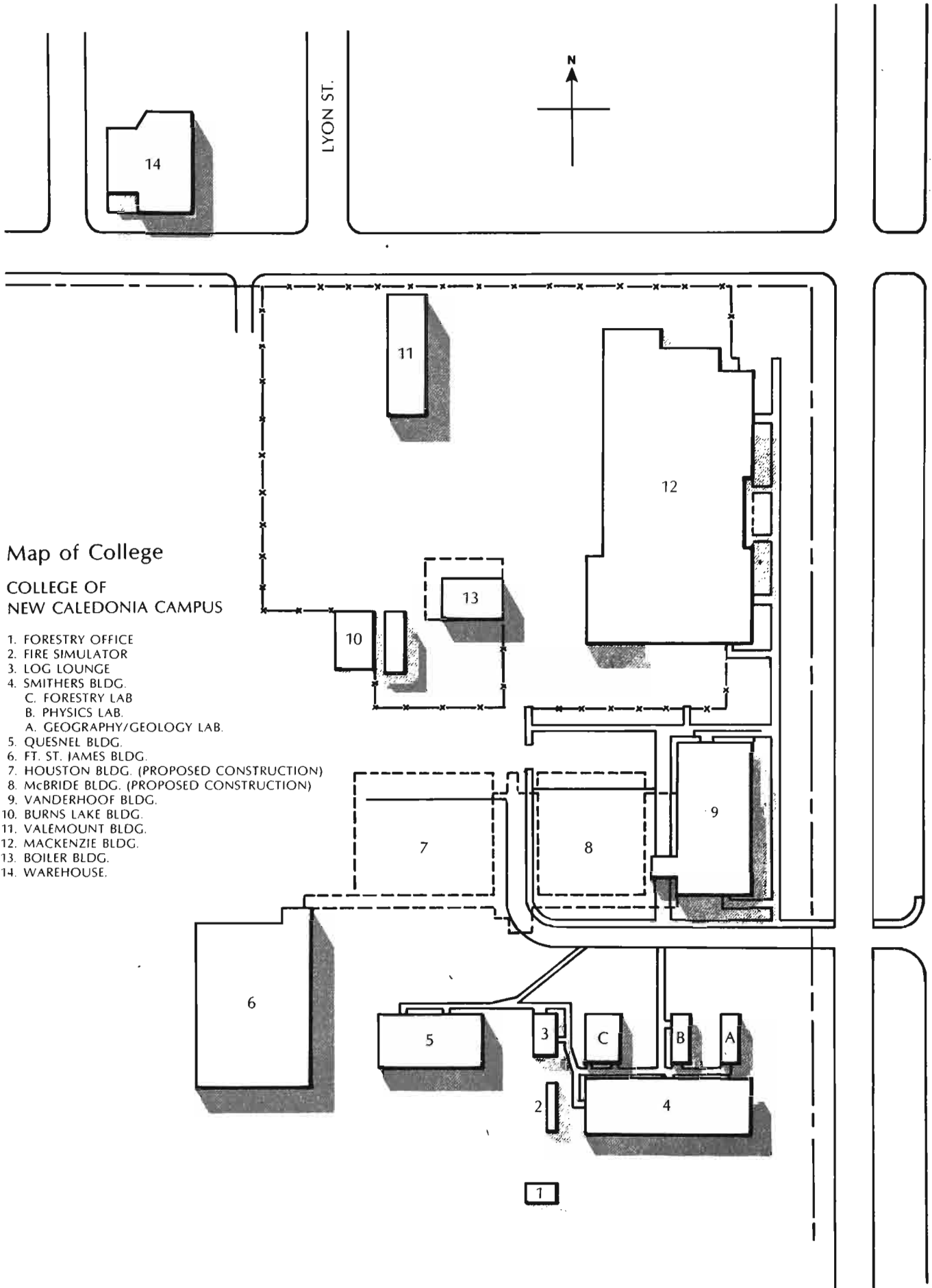
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Map of College

COLLEGE OF NEW CALEDONIA CAMPUS

- 1. FORESTRY OFFICE
- 2. FIRE SIMULATOR
- 3. LOG LOUNGE
- 4. SMITHERS BLDG.
C. FORESTRY LAB
B. PHYSICS LAB.
A. GEOGRAPHY/GEOLOGY LAB.
- 5. QUESNEL BLDG.
- 6. FT. ST. JAMES BLDG.
- 7. HOUSTON BLDG. (PROPOSED CONSTRUCTION)
- 8. McBRIDE BLDG. (PROPOSED CONSTRUCTION)
- 9. VANDERHOOF BLDG.
- 10. BURNS LAKE BLDG.
- 11. VALEMOUNT BLDG.
- 12. MACKENZIE BLDG.
- 13. BOILER BLDG.
- 14. WAREHOUSE.





 THE COLLEGE OF NEW CALEDONIA 
2001 CENTRAL STREET, PRINCE GEORGE, B.C., V2N 1P8 — TELEPHONE 562-2131 (AREA CODE 604)

