

COLLEGE OF NEW CALEDONIA

CALENDAR

**1972
1973**



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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.



THE COLLEGE OF NEW CALEDONIA

College, Technical and
Vocational Institute

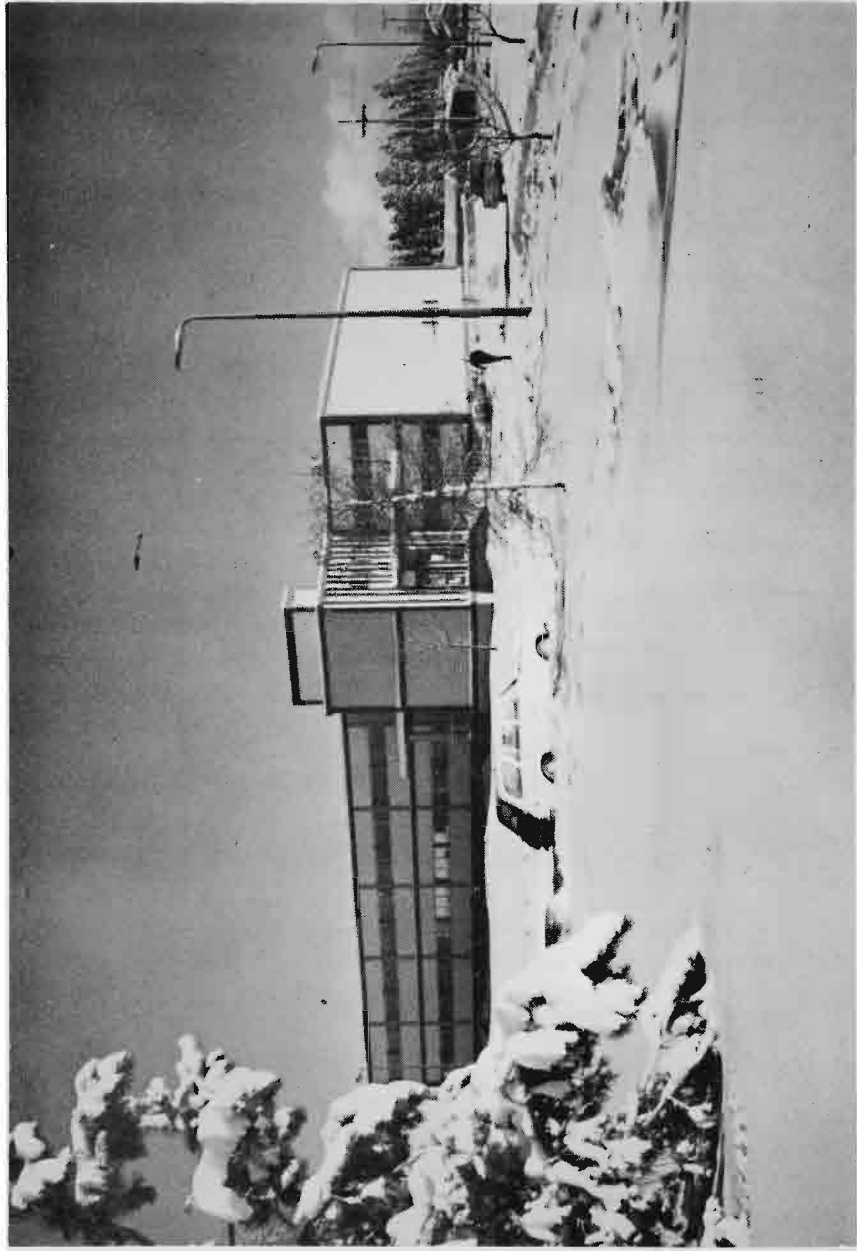
CALENDAR
1972-1973

2001 Central Street, Prince George, B.C.
Telephone 562-2131 (Area Code 604)

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

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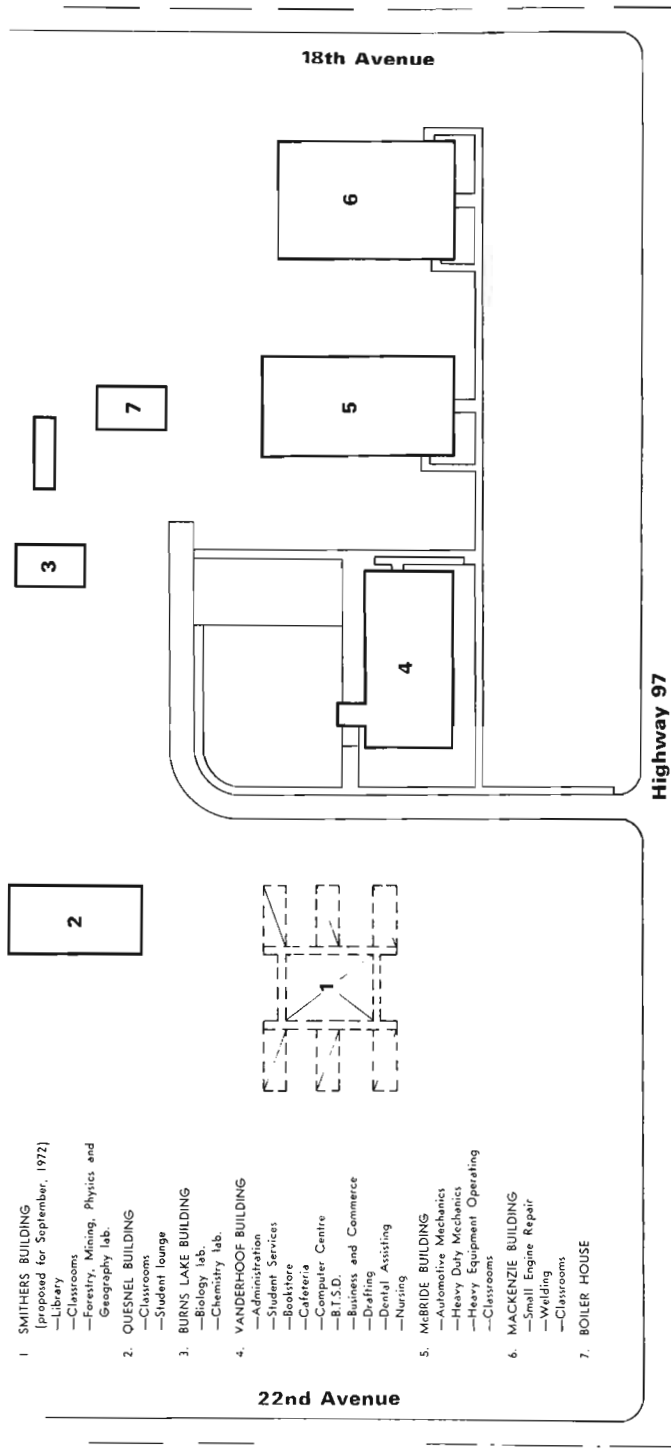




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College Organization

COLLEGE OF NEW CALEDONIA CAMPUS



CALENDAR

September, 1972							October, 1972						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2	1	2	3	4	5	6	7
3	4	5	6	7	8	9	8	9	10	11	12	13	14
10	11	12	13	14	15	16	15	16	17	18	19	20	21
17	18	19	20	21	22	23	22	23	24	25	26	27	28
24	25	26	27	28	29	30	29	30	31				
November, 1972							December, 1972						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	2	3	4						1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			24 31	25	26	27	28	29	30
January, 1973							February, 1973						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
	1	2	3	4	5	6					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28			
March, 1973							April, 1973						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30					
May, 1973							June, 1973						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
		1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30
July, 1973							August, 1973						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7				1	2	3	4
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					26	27	28	29	30	31	

1972 – 1973 COLLEGE CALENDAR**SUMMER 1972**

Details on programs and courses offered during the Summer Semester are available in a separate brochure. Contact the Student Services Office for information.

FALL SEMESTER 1972

July 3 – August 18	Pre-registration interviews for New and Returning students – University Transfer and Career Divisions.
August 7	Automotive Mechanical Repair – Registration and first class.
September 4	Labour day – College closed.
September 5	Registration and payment of fees University Transfer and Career Divisions, and Vocational Division students enrolling in ten month programs, and Commercial General, and Small Engine Repair.
September 5	Orientation program for new students.
September 6	Fall Semester classes commence – University Transfer and Career Divisions.
September 13	Late registration fees in effect – University Transfer and Career Divisions.
September 20	Last day for late registration – University Transfer and Career Divisions.
September 20	Last day for refund of 80% of Fall Semester tuition fees – University Transfer and Career Divisions.
September 27	Last day for course, section, or program changes – Fall Semester.
October 2	Registration and first class – Heavy Duty Mechanics.
October 4	Last day for refund of 50% of Fall Semester tuition fees – University Transfer and Career divisions.
October 9	Thanksgiving day – College closed.
October 30	Registration and first class – Practical Nursing.
November 11	Remembrance Day – College closed.
November 17	Last day for application for Certificates or Diplomas at end of Fall Semester (applicable to students enrolled in programs of at least four months duration).
November 17	Last day to withdraw from courses in University Transfer or Career divisions without incurring an 'F' grade.
November 20	Pre-registration interviews for Spring Semester begin.
December 15	Last day of classes – Fall Semester, for University Transfer and Career Division students.
December 22	Last day of classes – Fall Semester, for Vocational Division students.
December 23 – 26	Christmas – College closed.

SPRING SEMESTER 1973

January 1	New Year's Day – College closed.
January 2	Registration and payment of fees – University Transfer and Career Divisions, Automotive Mechanical Repair, and Small Engine Repair (Vocational Division).
January 2	Orientation program for new students.
January 2	Classes commence Vocational Division.

COLLEGE ORGANIZATION 7

January	3	Classes commence University Transfer and Career Divisions.
January	10	Late registration fees in effect — University Transfer and Career Divisions.
January	17	Last day for late registration — University Transfer and Career Divisions.
January	17	Last day for refund of 80% of Spring Semester tuition fees — University Transfer and Career Divisions.
January	26	Last day for course and section changes — University Transfer and Career Divisions.
January	30	Registration and first class — Commercial General program.
January	31	Last day for refund of 50% of Spring Semester tuition fees — University Transfer and Career Divisions.
March	5	Registration and first class — Practical Nursing.
March	15	Last day for application for Certificates or Diplomas at end of Spring Semester.
March	16	Last day to withdraw from courses in University Transfer and Career Divisions without incurring an 'F' grade.
March	19	Pre-registration for continuing students begins.
April	2	Registration and first class — Heavy Duty Mechanics.
April	19	Last day of classes, University Transfer and Career Divisions.
April	20	Good Friday — College closed.
April	23	Easter Monday — College closed.
May	21	Victoria Day — College closed.
July	2	Confederation Day — College closed.
July	3	Registration and first class — Practical Nursing.



8 COLLEGE ORGANIZATION

COLLEGE COUNCIL

MR. J.G. WILSON, Chairman	— Prince George
MR. E.K. WESTOVER, Vice Chairman	— Quesnel
DR. A.W. MOONEY	— Vanderhoof
MR. A.G.A. BOLTON	— Vanderhoof
MRS. R.B. HAGGARTY	— Burns Lake
MRS. M. KNOERR	— Smithers
MRS. J. KELLETT	— Prince George
MR. D.P. TODD	— District Superintendent Prince George
MRS. J. McCLATCHY	— Prince George
MR. J. LAPADAT	— Smithers
MR. C. LESLIE	— Quesnel
MR. T. CLOKE	— Burns Lake

MR. R.D. KEAN	— Secretary-Treasurer and Bursar
DR. F.J. SPECKEEN	— Ex-officio, Principal

COUNCIL COMMITTEES

MR. E.K. WESTOVER	— Finance
MR. D.P. TODD	
MRS. J. KELLETT	— Personnel
MRS. J. McCLATCHY	
DR. A.W. MOONEY	— Curriculum
MRS. R.B. HAGGERTY	
MR. J. LAPADAT	— Planning
MR. T. CLOKE	
MR. AGA BOLTON	
MRS. M. KNOERR	— Student Relations
MR. C. LESLIE	

ADVISORY COMMITTEES

APPLIED CRIMINOLOGY

Inspector R.N. Baynes	R.C.M.P., Prince George
Warden B. Bjarnason	B.C. Correctional Institute, Prince George
Mr. D. Cernetic	National Parole Board, Prince George
Inspector G.J. Greig	R.C.M.P., Prince George
Mr. J. Hotell	Adult Education Director, Prince George
Mr. R. McKeller	B.C. Probation Service, Prince George
Superintendent L.E. Rosberg	R.C.M.P., Prince George

BUSINESS ADMINISTRATION

Mr. G. Abbott	Customer Service Manager, B.C. Telephone Company Prince George
Mr. R.C. Bristow	Manager, Canada Manpower, Prince George
Mr. F.L. Dwyer	Student, College of New Caledonia
Mr. J. Evans	Publisher, <i>The Citizen</i> , Prince George
Mr. S.M. Everson	Student, College of New Caledonia
Mr. S.R. Higginson	Manager, Interior Operations Eurocan Pulp and Paper Limited Prince George
Mr. D. Larsen	Stag Shop, Quesnel
Mr. D. McIvor	Industrial Relations Manager, Prince George Pulp and Paper Limited, Prince George
Mr. H. Milne	Harvey Milne Agencies Limited, Vanderhoof
Mr. F. Robinson	Manager, Montreal Trust, Prince George
Mr. R. Shore	Manager, Bank of Montreal, Prince George
Mr. C. Spicer	Smithers
Mr. J.B. Ullstrom	Gardner, McDonald and Company, Prince George
Mr. M. Voelkner	Head, Commerce Department, Prince George Senior Secondary School, Prince George
Mr. F. Walls	Manager, Woodward's Limited, Prince George

CONSTRUCTION TECHNOLOGY

Mr. D.H. Boulton	Estimator
Mr. G. Creuzot	Housing and Development
Mr. J.R. Lewis	Consulting Engineer
Mr. K.A. Lunn	Mechanical Contractor
Mr. T.A. Morrow	Architect
Mr. W. Plumridge	President, P.G. Construction Association
Mr. J. Row	General Contractor
Mr. M. Sambad	Electrical Contractor
Mr. P. Sorensen	Secretary-Manager, P.G. Construction Association
Mr. E. Unger	General Contractor
Mr. T.H. West	Architect

DATA PROCESSING

Mr. D.A. Boughey	Northwood Pulp Limited, Prince George
Mr. R.L. Dyke	School District #57, Prince George
Mr. S.F. Tully	C.N.R., Prince George

DENTAL ASSISTING

Dr. D. Bowler	Prince George
Dr. J. Cameron	Prince George
Dr. J.E. Fahey	Prince George
Dr. H. Hann	Prince George
Dr. D. Waller	Prince George

EARLY CHILDHOOD EDUCATION

Mrs. M. Selody	Co-ordinator Prince George Day Care Society
Miss K. La Voie	Supervisor, Primary Instruction, S.D. #57
Mrs. Lynn Mann	Teacher, S.D. #57
Mrs. C. Thompson	Kindergarten Teacher, Vanderhoof
Mr. J. Brookes	Northern Interior Health Unit
Miss M. De Grace	Rehabilitation and Social Improvement, Prince George

FORESTRY

Mr. D. Flynn	Flynn Bros. Logging, Prince George
Mr. W. Haviland	Prince George Pulp Ltd.
Mr. P. Bodman	West Fraser Timber Ltd., Quesnel
Mr. S. Higginson	Eurocan Pulp & Paper Ltd., Burns Lake
Mr. W. Young	B.C. Forest Service, Prince George
Mr. G. Marples	Takla Logging Ltd., Prince George
Mr. W. Gleason	Bulkley Valley Forest Industries
Mr. J. Potter	Carrier Lumber Co., Prince George
Mr. H. Anderson	Netherlands Overseas Mills
Mr. A. Nevison	Industrial Forestry Service
Mr. D. McKay	Ferguson Lake Sawmills
Mr. K. Elliott	B.C. Forest Products Ltd.
Mr. H. Lloyd	Lloyd Bros. Logging Ltd.
Mr. D. Ruhl	Northern Interior Lumberman's Association
Mr. T. Mogensen	International Woodworkers of America
Mr. D. Little	Northwood Pulp Limited

MINING TECHNOLOGY

Mr. A. Almond	Vanderhoof
Mr. W. Clarke	B.C. Mines & Petroleum Resources, Prince George
Mr. R.R. Dion	Cache Resources Limited, Prince George
Mr. E.T. Kimura	Endako Mines Limited, Endako
Mr. R. Trenaman	Mine Manager, Pinchi Lake/Cominco
Mr. J.D. Wright	Mine Manager, Endako Mines Ltd., Endako

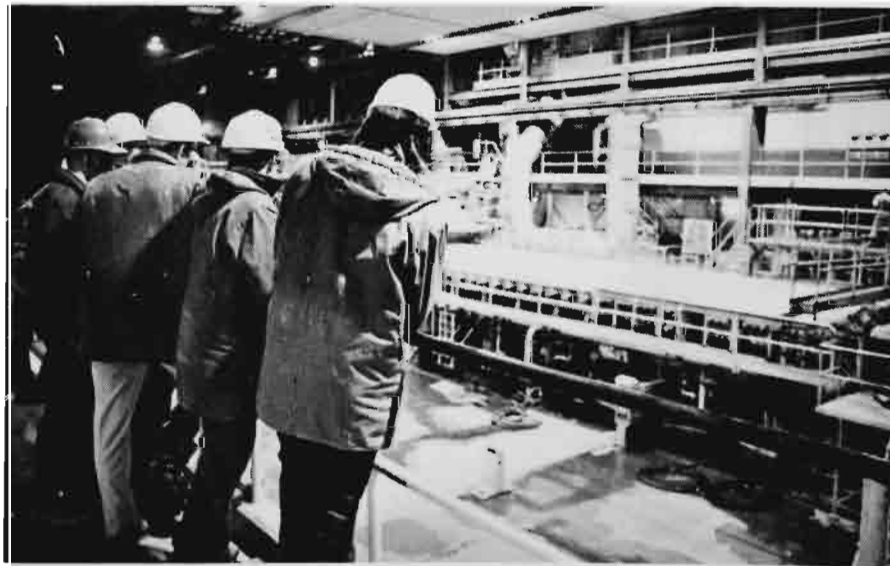
MUNICIPAL ADMINISTRATION

Mr. R. Butler	Department of Rehabilitation & Social Improvement Prince George
Mr. J. Hotell	Adult Education Director, Prince George
Mr. C. Jeffery	City of Prince George
Mr. W. Kennedy	District of Fraser-Fort George
Mr. H. Moffat	Mayor City of Prince George
Mr. J. Pousette	District of Kitimat-Stikine, Terrace
Mr. L. Rodger	Principal, Prince George Senior Secondary School
Mr. J.G. Wilson	Barrister and Solicitor, Prince George

SMALL ENGINE REPAIR

Mr. R. Seeds	Northern Magneto, Prince George
Mr. T. Martell	Tom Martell Ltd., Prince George
Mr. R. Roy	Takla Logging
Mr. H. Perleberg	Simson Maxwell Ltd.
Mr. G. Mathers	Heather Power Tool, Prince George

Other advisory committees are presently being formed for all programs in the Vocational and Career Divisions not included in this section.



PRINCIPAL'S STATEMENT

The College of New Caledonia is a distinctive institution which constantly strives to meet the needs and demands of the immediate region, as well as the Province as a whole.

The College provides first and second year university equivalency, one and two year career programs, vocational training programs, as well as other courses and programs appropriate to the north central area.

The emphasis at CNC is on teaching, not research, and on making available relevant educational opportunities for persons of all ages, backgrounds and experiences. Consequently, faculty members are employed on the basis of high qualifications and teaching ability, and for their dedication to the objectives of a "Community" College.

Students, faculty and support staff are encouraged by the College Council to participate in the decision making processes of the College. The Council also works closely with its supporting school boards and various advisory committees in both its immediate and long-range planning.

On July 9, 1971, the College of New Caledonia amalgamated with the British Columbia Vocational School (Prince George) to form a new institution capable of offering a wide variety of courses and programs. Student enrollment has climbed from 250 students in September, 1969, to over 1,100 in September, 1971.

One of the objectives of CNC is close student-instructor relationships. This is accomplished through small classes, a concern for persons as individuals and the mutual exploration and discussion of problems, issues, and alternatives.

The College motto — "The Truth Always" — is an excellent reminder of our responsibilities and dedication.

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 (Vanderhoof), 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 Career and Technology programs
- B.C.I.T. transfer programs
- Pre-apprentice programs
- Vocational programs
- General Studies programs
- Extension Certificate programs
- Extension and Community Service courses

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, and members appointed by the five participating School Boards.

The College Principal is solely responsible to the College Council 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, and administration. Courses offered in the Vocational Division and the Career Division each have an advisory committee of interested and knowledgeable members of the community and College personnel.

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 September 15, 1969 using the facilities of the Prince George Senior Secondary School.

On July 9, 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.

COLLEGE DIVISIONS

The College is organized into three divisions; the Career division, University Transfer division and Vocational division.

The Career division offers programs in:

Business Administration
Construction Technology
Data Processing
Early Childhood Education
Forest Resource Technology
Mining Technology

The University Transfer division offers two year programs leading to degrees in:

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

The Vocational division offers programs in:

Automotive Mechanics
Commercial – Bookkeeping
Commercial – Secretarial
Commercial – General
Dental Assisting
Drafting
Heavy Duty Mechanics
Heavy Equipment Operating
Practical Nursing
Small Engine Repair
Vocational Preparation (B.T.S.D.)
Welding

NOTE

Students are not restricted to enrolling in a program of studies in one specific division, but may devise their own program combining courses from any division.

Students who complete 60 Semester hours of credit in this way will receive the CNC *General Studies* diploma. A number of specific options in the General Studies diploma program are listed following the Vocational division section of this calendar.

In addition through its *Continuing Education* program the College offers a wide variety of credit, non credit, technical and vocational courses throughout the College region, and Continuing Education Certificate programs in:

- Applied Criminology
- Construction Technology
- Municipal Administration

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General Information

16 GENERAL INFORMATION

Admission

General admission requirements are detailed for each division 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 (Vanderhoof) 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 a higher tuition fee for courses in the Career and University Transfer Divisions.

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, or of application for such. 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.

Admission Procedure

See specific details listed for each division.

Bookstore

The College operates a small bookstore, located on the lower ground floor of the Vanderhoof Building. It carries required and supplementary texts, supplementary supplies and a variety of miscellaneous items.

Cafeteria

The College of New Caledonia Student Association operates a small cafeteria for the convenience of students. It is located beside the bookstore on the lower ground floor of the Vanderhoof building.

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.

Library Resource Centre

The College library is located on the main floor of the Smithers building. The library has developed as a resource centre with a large collection of books, periodicals, microfilms, government documents and other materials. Personal assistance is available at all times from the library staff. Library services are only available to individuals who possess current C.N.C. library cards, issued at the time of registration and payment of fees. Library hours are posted in the library.

Student Association

The College of New Caledonia Student Association has represented the student body since the beginning of the College. The Council is composed of eight Vocational division representatives and eight University Transfer and Career division representatives. The executive is composed of four members.

The Student Association co-ordinates various co- and extra-curricular activities. They plan dances and social activities and sponsor various clubs. The Association is also granting six one hundred dollar scholarships to various high schools throughout the region. They will be awarded to students planning to attend the College of New Caledonia the following semester.

The Association is involved in various activities in the City of Prince George. It plans parties for the retarded children and has a representative in the Queen Aurora Competition.

Everyone enrolled in the College is eligible to stand for a position on the Council and any student may attend Council meetings.

The College has made available to students a student lounge, located in the Quesnel building.

Student Services

The Student Services Office is located on the main floor of the Vanderhoof Building. Facilities and staff are available to assist students with a variety of problems, including vocational, personal, social, financial and study related problems. Students requiring any kind of assistance are urged to make use of the resources available through this office.

Services offered include:

Information

- a) Information to secondary school students on post-secondary education opportunities
- b) Occupational and career information
- c) Information on institutions to which C.N.C. graduates may wish to transfer, and the admission policies of these institutions
- d) Information on C.N.C. programs, courses, policies and procedures.

18 GENERAL INFORMATION

Guidance and Counselling

Skilled counsellors are available to assist students with the selection of a vocational goal, college programs, transfer to other institutions, academic difficulties and personal problems.

Athletics

The College supports both Intra-mural and Inter-collegiate athletic activities.

College teams regularly compete in

- Basketball (men's and women's)
- Curling (men's, women's, and mixed)
- Hockey
- Volleyball (men's and women's)

Intra-mural activities include:

- Basketball
- Volleyball
- Skiing
- Ping Pong
- Skating

Employment

In cooperation with the Department of Manpower the College operates a student placement service for part-time employment during attendance at the College and full time employment following graduation and between Semesters.

Housing

The College does not operate any student residences, but does compile a list of boarding houses and small apartments available at the beginning of each semester. No recommendation is made regarding the quality of accommodation offered.

Orientation

A program designed to assist students to become familiar with College facilities and services and to help in adjustment to College methods of teaching, learning, and study is offered to new students at the beginning of each semester.

Remedial Programs

Short courses are offered from time to time to assist students with reading problems and with problems writing term papers and other assignments, etc. Students with such problems should contact a Counsellor.

Scholarships, Loans and Bursaries

The Student Services Office maintains current information on sources of aid for students with financial problems. (See also 'Financial Assistance')



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Financial Assistance

FINANCIAL ASSISTANCE

General Regulations

There are a number of sources of assistance for College students.

To be eligible for assistance a student must be enrolled in a full program of studies. Students are advised to check with the Student Services Office about changes in regulations, deadlines for application, and other details.

There are four main types of assistance— *scholarships, bursaries, loans, and awards.* *

The following code will be used throughout this section to indicate eligibility according to Division:

U.T.	University Transfer Division
V.	Vocational Division
C.	Career Division

* Students should note that scholarships, bursaries, fellowships, and research grants are now to be declared as taxable income. It is mandatory that the College report to the Income Tax Branch, Department of Finance, the full name and Social Insurance Number of every recipient of a scholarship or bursary. It is essential, therefore, that each applicant for a scholarship or bursary be in possession of a valid Social Insurance Number, which must be stated on the applications.

I. SCHOLARSHIPS

Scholarships are awarded for academic excellence. The level of excellence is usually determined by setting a minimum grade point average above which students qualify for consideration. In the context of "qualifying for consideration" scholarships are competitive. Occasionally scholarships are awarded on the basis of academic excellence combined with financial need. Scholarship funds are usually paid directly to the award winner.

GOVERNMENT OF B.C. SCHOLARSHIPS (U.T., C)

These awards are available to students who are *residents of British Columbia* and who are *enrolled in Grade XII of a British Columbia secondary school, or in a designated post-secondary educational institution within this Province*, and who are beginning or continuing a program of studies leading to the first degree or diploma awarded in a particular faculty or technology.

Scholarship values are based on the tuition fee for the next session of undergraduate study. Students attending C.N.C. receive a percentage of the basic tuition fee for a single semester, and have the opportunity to compete at the end of each semester.

The maximum number of awards is subdivided as follows:

- Scholarships of *three-quarters of the basic tuition fee* are awarded to the highest ranking eligible students up to *FIVE per cent* of the full time enrolment.
- Scholarships of *one-half of the basic tuition fee* are made available to the next highest ranking *SIX per cent* of the full-time enrolment; and
- One Third basic tuition fee* scholarships are granted to the next following highest ranking *SIX per cent* of the full-time enrolment.

It must be noted that no scholarships are awarded to senior secondary school or undergraduate applicants with grade averages of less than 70% or its equivalent.

Full details concerning the Government of British Columbia Scholarships, and the correct application procedures may be obtained from their schools by students currently registered in Grade XII, or from the Student Services Office at CNC.

Students currently enrolled at The College of New Caledonia must submit forms of application for these awards before May, 14, 1972 for scholarships to be applied to the FALL semester and January 3, 1973 for scholarships to be applied to the SPRING semester.

B.C. ART TEACHERS ASSOCIATION SCHOLARSHIP (U.T., V., C.)

The B.C. Art Teachers' Association has scholarship money totalling \$300 for Grade 12 students who continue their art education at college. Interested students must obtain up-to-date information from their Art teachers. Art teachers are informed in early April, through the B.C. Art Teachers' Association Journal, of the scholarship eligibility requirements and application procedures.

THE INSTITUTE OF CHARTERED ACCOUNTANTS OF BRITISH COLUMBIA SCHOLARSHIPS (U.T.)

The Institute of Chartered Accountants of British Columbia will in 1972 make available three scholarships of \$250 each to Grade 12 candidates graduating from a British Columbia high school or similar Provincial Institution.

Application forms for these scholarships may be obtained from the school counsellors, or from the Director of Education of the Institute of Chartered Accountants of B.C., 530 Burrard Street, Vancouver 1, B.C. Completed applications must be submitted to the Institute office by 5:00 p.m. May 21, 1972.

REGULATIONS

1. Scholarship candidates must plan to enrol and continue throughout the subsequent academic year in either one of:
 - a) a full-year program of undergraduate work at a university in B.C.
 - b) a full-year program in the university transfer stream of a two-year post-Grade 12 institution.
2. Scholarship candidates must write examinations approved by the Department of Education for Provincial Scholarships. For students on the accelerated program subjects at 100 level will be accepted in lieu of subjects at 12 level. All examinations must be written during the June 1972 examination sessions.
3. Scholarship candidates who accept other scholarships and bursaries for the same academic year valued in aggregate at more than \$350 will not be eligible for an Institute scholarship. (A Provincial Government fee subsidy will not be reckoned in this aggregate)

The awards will be made to students who achieve good scholastic standing on the prescribed examinations.

Other factors being equal, candidates who plan ultimately to train for a career in professional accounting, commerce, or related field will be given preferential consideration.

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C.N.C. STUDENT ASSOCIATION SCHOLARSHIP (U.T., V., C.)

The College of New Caledonia Student Association is presenting *one hundred dollar* scholarships to six high schools in the College Region. They are open to students in any program. The scholarship will be awarded to the student who has the highest average and who will attend the College the following Semester. Contact your school counsellor for further details.

HOCKEY CANADA SCHOLARSHIPS (U.T., C.)

Hockey Canada was established in 1969, as a result of the recommendations of the Task Force on Sports. This scholarship program is intended to encourage young men in two equally important fronts — the pursuit of post-secondary education and the development of proficiency in the game of hockey. The field of study is unrestricted, and is at all levels of post-secondary education. Value of \$2,000 annually, and a minimum number of ten. The duration is for four consecutive years or until a university degree or community college diploma is obtained, whichever is the sooner, and provided the student established continuing eligibility with respect to academic and hockey progress. These scholarships are open to candidates with outstanding hockey ability who are Canadian citizens or who have held landed immigrant status for at least one year and who have graduated or are about to graduate from a secondary school with an average of at least 65% in the year of graduation, or who are presently enrolled or have been enrolled in a post secondary institution. They are tenable throughout Canada at any community college; CEGEP; or university or college, which is a member or affiliated to a member of the Association of Universities and Colleges of Canada; having viable hockey program.

Closing date for receipt of applications is April 30. For further information and application forms, please contact Director of Awards, AUCC, 155 Slater Street, Ottawa 4, Ontario.

MILITARY SERVICE SCHOLARSHIPS (U.T.)

The program sponsored is the Regular Officers Training Plan, (ROTP), and Reserve Officer University Training Plan (ROUTP). Training given under these plans is divided into two parts: normal attendance at university and possibly college throughout the academic year and military training each summer.

REGULAR OFFICERS TRAINING PLAN (ROTP)

This plan combines university subsidization with career training as an officer in the Regular Component of the Canadian Forces. Successful candidates are enrolled in the rank of Officer Cadet. They are required to maintain a good standing both academically and militarily while in the plan. All tuition and other essential fees are paid by the Department of National Defence. In addition, the Officer Cadet receives an annual grant of \$125 to purchase books and instruments, and is paid \$193 per month for personal and living expenses. Free medical and dental care is provided. Annual leave (30 days plus travelling time) with full pay and allowances may be granted each year, usually after the summer training period. On graduation, the Officer Cadet is promoted to the commissioned rank of Lieutenant.

RESERVE OFFICER UNIVERSITY TRAINING PLAN (ROUTP)

This plan provides an opportunity for selected undergraduates to prepare themselves for promotion to commissioned rank in the Reserve Component of the Canadian Forces. They are selected during the first months of the University year by the local Reserve Unit and are enrolled as Officer Cadets in the Primary Reserve. Cadets receive pay for training completed

at local Reserve Units during the academic year (up to 15 days) and at training bases during the summer (up to 16 weeks).

For these scholarships, an applicant must:

- a) be a Canadian citizen
- b) be single and remain so until commissioned (ROTP only), ROUTP applicants may be married
- c) if ROTP, be between the ages of 16 and 21 on January 1 of the year he commences first year studies. If ROUTP, between the ages of 17 and 38.

Interested students are requested to contact one of the following:

FOR ROTP — Commanding Officer
Canadian Forces Recruiting Centre
545 Seymour Street
Vancouver 2, B.C.

For ROUTP — Commanding Officer
Canadian Armed Forces Reserve
Hangar 5, North Jericho
4050 West 4th Avenue,
Vancouver 8, B.C.

NANCY GREENE SCHOLARSHIPS 1972/73 (U.T., V., C.)

Five scholarships, each for \$500 are awarded annually to those British Columbia students who apply and who best combine the qualifications set out hereunder.

Any student currently registered in a senior secondary school (including independent and private schools) and in any recognized college preparatory program in British Columbia who plans to pursue an educational program at any post secondary educational institute in the Province of British Columbia is eligible.

Applicants must show evidence of:

1. Good school and community citizenship
2. Leadership and character
3. Scholastic achievement
4. Athletic ability and performance

HOW TO APPLY:

1. Write a personal letter of application to the Selection Committee, in which you should outline your achievements and educational goals. Address the letter:

c/o The Deputy Provincial Secretary
Parliament Buildings,
Victoria, B.C.

2. The applicant should ask his, or her, school principal and one other prominent individual in the community to send a confidential supporting letter *direct* to the Selection Committee. The principal should attach a statement of grades or marks and a statement certifying athletic and other participation.
3. The applicant may ask the governing body of his sport to submit a testimonial letter. Applications will be reviewed by a Selection Committee which will include representatives from the British Columbia Amateur Sports Council and the Department of Education. The scholarships will be made available to successful applicants after proof that he, or she, has been accepted by the institution concerned and has registered; provided they are not in receipt of a similar or other major award of \$500

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or more. All applications should be postmarked NOT LATER than June 1, 1972, and are to be addressed to:

Mr. L.H. Wallace
Deputy Provincial Secretary
Parliament Buildings,
Victoria, B.C.

NORTHWOOD PULP LTD. SCHOLARSHIPS (U.T., V., C.)

Northwood Pulp Ltd. will be offering several scholarships for students in all divisions. Students are asked to consult their high school counsellor or the Student Service Offices, as details are not available at this time.

PAPER TECHNOLOGY SCHOLARSHIPS (U.T.)

Western Michigan University offers a number of scholarships for Canadian Students who are interested in enrolling in a program of the "Paper Technology Foundation, Inc. for the Department of Paper Technology".

The awards range from \$1,600 to \$4,500 for the four years. Students wishing further information are asked to contact the Student Services Office.

SIMON FRASER UNIVERSITY REGIONAL COLLEGE ENTRANCE SCHOLARSHIPS (U.T.)

A number of scholarships ranging in value from \$175 to \$300 will be available to students entering Simon Fraser from Regional, Junior or Community Colleges. Students who have completed one or two years of study at such institutions and have maintained a high academic average on a full course load, and who have been recommended for the scholarship by the college from which they are transferring, will be considered. Only students who are proceeding with further university studies within one year of completion of one or two years of study at the Regional College level will be eligible. Students who are not enrolled in a full university course load will ordinarily not be eligible. Applications should be addressed to:

Financial Aid Office
Simon Fraser University
Burnaby 2, B.C.

during the first three weeks of lectures of each semester.

THE CERTIFIED GENERAL ACCOUNTANTS' ASSOCIATION OF B.C. SCHOLARSHIP (C. V.)

The Certified General Accountants' Association of British Columbia offers a \$100.00 Scholarship to a student at the College of New Caledonia. For further details of this award please see the Student Services Office.

THE VANCOUVER SUN REGIONAL COLLEGE ENTRANCE SCHOLARSHIPS FOR SUN CARRIERS - (U.T.)

The Vancouver Sun offers annually three scholarships of \$250 each to students proceeding in the fall from Grade XII to the first year at a public regional college in B.C., in a full program of studies (comprising two consecutive semesters or the equivalent) in courses leading to a University degree. To be eligible an applicant must have been a carrier of The Vancouver Sun for at least two consecutive years and must write the Scholarship Examinations conducted in June by the Department of Education, B.C. The scholarships will normally be awarded to the three qualified applicants who rank highest in these examinations, but standing

obtained in other subjects taken during the year may be considered, and always in case of a tie. A winner who ranks in the top 10% of the students in the College he has attended and who proceeds to the second year of the College in a full program of studies leading to a University degree will be granted a renewal in the same amount. A winner who, after completion of one or two years of College, transfers to a full course of studies at a public University in B.C., and who ranks in the top 10%, at the time of transfer, among the students of his year in the College, will qualify for a further scholarship of \$500. For continued attendance at this University he may then be eligible for up to two further renewals until he obtains his first undergraduate degree. Renewal each year is conditional upon his ranking in the top 10% of students, in the Year and Faculty in which he is registered. A candidate for these awards must apply on the "General Application Form", which may be obtained from, and must be returned by May 15th, to the Scholarship Office, Room 207, Buchanan Building, University of B.C., Vancouver 8, B.C. The application must be accompanied by the service certificate of The Vancouver Sun.

I.B.M. SCHOLARSHIP

International Business Machines annually awards a scholarship to the value of \$200 to a student entering the third semester of the Data Processing Program.

Application forms are available from the Student Services office and must be submitted by May 31 each year.

2. BURSARIES

Bursaries are awarded on the basis of financial need and additional factors as may be prescribed by the donor. Bursaries are money grants and are usually payable to the College as a credit to the student's account to defray or reduce the cost of tuition or other expenses.

GOVERNMENT OF B.C. BURSARIES (U.T., C.)

The Government of the Province of British Columbia annually provides funds to assist British Columbia students resident in the Province to commence or to continue an acceptable full-time program of post-secondary study at designated post-secondary educational institutions in the Province. Under special circumstances a bursary may be made available to a student from British Columbia who is pursuing a course of acceptable professional study at a designated institution in another Province of Canada when that course is one not provided within British Columbia.

To qualify for the grant of a bursary (money that does not have to be repaid) a student must have achieved an average of 65% or higher on a full course load in the last complete year of secondary or post-secondary undergraduate study without a failure in any subject comprising the full course load. For a student entering the first year of post-secondary studies from Grade XII, the qualifying course load is not less than six subjects. For an undergraduate proceeding to a higher undergraduate year, the qualifying course load consists of 15 units or 30 semester hours, in two consecutive terms or semesters. These bursaries are not granted to students in graduate studies, nor to those who are registered "qualifying" or "unclassified".

Provincial Bursaries are available only to those students who demonstrate definite financial need and who are proceeding to an acceptable full program of post-secondary study comprising two consecutive terms or semesters in a specified university, public college or the British Columbia Institute of Technology. Separate application for a bursary is not made. The grant of a bursary will be considered on the basis of information provided on the form entitled "APPLICATION FOR FINANCIAL ASSISTANCE FROM PUBLIC FUNDS" which will be submitted by every student seeking financial aid, whether by Provincial Bursary, or Canada Student Loan, or both.

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Grade XII students may obtain the necessary application form and instructions from the Principal or Counsellor at their secondary schools. Post-secondary students will obtain the form and instructions from the Financial Aid Officer of the institution they are attending. Applicants must take careful note of the submission dates stated on the application form. Late applications will not be considered for the grant of a bursary, but this does not affect the issue of a loan. Applications for financial assistance must be submitted to the Financial Aid Officer of the institution to be attended by the applicant.

C.N.C. students may obtain further information and application forms from the Student Services Office.

BRITISH COLUMBIA ASSOCIATION FOR THE MENTALLY RETARDED BURSARIES (U.T.)

Bursaries in various amounts are offered by the British Columbia Association for the Mentally Retarded to students in education, medicine, nursing, psychology, and social work in graduate or undergraduate programs who:

- a) are undertaking a full year, part-time or summer school course at a recognized University or College.
- b) intend to pursue studies related to Mental Retardation.

Awards will be made on the basis of combined academic standing and need. Closing dates for submission of application forms are July 15 and December 15. Forms of application may be obtained from:

British Columbia Association for the Mentally Retarded
Room 221 — 119 West Pender Street
Vancouver 3, B.C.

B.C. INDIAN ARTS AND WELFARE SOCIETY MEMORIAL BURSARY (U.T., V., C.)

A bursary of \$100 will be awarded annually by the B.C. Indian Arts and Welfare Society in memory of those Indian Canadians who gave their lives in either World War. Native Indian applicants must be from the Province of British Columbia and must enter one of the established Universities or Colleges in British Columbia, or some recognized Technical School or other training centre. Application forms must be in the hands of the Honorary Secretary, B.C. Indian Arts and Welfare Society, c/o The Provincial Museum, Victoria, B.C. before August 15.

C.N.C. FACULTY ASSOCIATION BURSARIES (U.T., V., C.)

Several bursaries are available to students in all divisions. Students must have been in attendance at C.N.C. for at least one semester to be eligible. Further details can be obtained from the Student Services Office.

CROOKED RIVER FOREST ASSOCIATION BURSARY (U.T., V., C.)

A bursary of \$500 donated by the Crooked River Forest Association will be awarded to a student completing Grade 12 at the Prince George Senior Secondary School or a student completing the 1st or 2nd year program of the College of New Caledonia and who will proceed to an accredited University, College, Vocational or Technical school for additional education.

The award is limited to students of parents who are employed by one of the Crooked River Forest Association member companies. These companies are:

Ferguson Lake Sawmills Ltd.
Rustad Bros. & Co. Ltd.
The Pas Lumber Co. Ltd.

The bursary is to be awarded at the discretion of a Special Scholarship Committee. Apply through the Student Services Office.

DATA PROCESSING MANAGEMENT ASSOCIATION BURSARY (C)

The Data Processing Management Association is offering a \$50 bursary to a student entering the third semester of the Data Processing Program. Students must apply at the Student Services Office before March 31.

THE GRAND LODGE MASONIC BURSARIES (U.T., V., C.)

The Grand Lodge of Ancient Free and Accepted Masons of B.C. annually offers bursaries in the range of \$200 – \$500 each to the sons, daughters, and legal wards of active members of Masonic Lodges in B.C., or of deceased members who at the time of death were active members of those lodges. The purpose of these bursaries is to give assistance to students who, without financial aid, would find it impossible or difficult to continue their education.

Selection of winners will be made by U.B.C. from applicants with satisfactory academic standing who are beginning or continuing studies at the College of New Caledonia. First preference will be given to applicants entering the College from Grade 12, then to undergraduates in their second year.

In order to be considered, a candidate must obtain from the *Scholarship and Bursary Office, U.B.C.* a Bursary Application form. The completed application must be received *by the University* not later than July 15. The application must be accompanied by a letter from the Secretary of the Lodge indicating the applicant's association with the Lodge. Since a special committee considers the applications for these bursaries, those who also wish to apply for other bursaries should submit a separate application form for them. Each application must be accompanied by a transcript of the student's academic record at the academic institution most recently attended. If the Grade 12 transcript is not immediately available, it must be forwarded at the first opportunity.

THE INDEPENDENT ORDER OF ODD FELLOWS JOINT BURSARY (U.T., V., C.)

Three bursaries of \$100 each are available annually to assist students who are undertaking a full time post-secondary education. These bursaries are provided by the Grand Lodge, Rebekah Assembly and the Grand Encampment of the Independent Order of Odd Fellows of B.C. All applicants must have direct connection with one or more branches of the Order through parents, grandparents, or close relations. Special consideration will be given to applicants with financial need.

Full details of the awards and application forms may be obtained from the Secretary of any Odd Fellows or Rebekah Lodge, I.O.O.F. Applications should be submitted to the Odd Fellows or Rebekah Lodge by May 1 so that they may be received by the Committee no later than May 15. All applications must be sponsored by an Odd Fellows Lodge, Rebekah Lodge, or Encampment.

I.W.A. LOCAL 1 – 417 BURSARY

International Woodworkers Association, local 1–417, awards annually a \$250 Bursary to a regional college student who will register within the next two years at any university, college, technical school or any other educational institution agreed to by the selection committee.

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1. The successful applicant will receive payment on submitting evidence that he or she has in fact registered at an educational institution.
2. The payment will be made in two equal instalments (one instalment in each term or semester) to the successful applicant.
3. If no applicant qualifies, the bursary will be held in trust until the following year, when two \$500 awards will be made, if applicable.

ELIGIBILITY

1. An applicant must be a member (as per the International Constitution) of, or a son or daughter of a member, or a son or daughter of a deceased member (as per the International Constitution at time of death) or legal ward or annuitant of a member of Local 1-417, I.W.A.
2. An applicant must be:
 - a) A first year student at a Regional College taking a full course load.
 - b) A first year University or Technical student taking a full load at another educational institution when it is not practical to attend a regional college.

BASES OF CHOICE

1. Academic achievement as recorded on Transcript of Marks.
2. Financial Need.
3. Other considerations, such as future educational plans, community and college activities and contributions.

Application forms for this bursary are available from the Student Services Office or from the Secretary of Local 1 - 417, I.W.A., Box 820, Salmon Arm, B.C.

Application forms must be submitted to the Secretary of the Local by June 1 of each year. The Selection Committee shall consist of the I.W.A. Table Officers in consultation with the regional colleges involved.

MERRILL C. ROBINSON BURSARY (U.T., V., C.)

The Canadian National Institute for the Blind has established the Merrill C. Robinson Bursary of one thousand dollars which is available to blind students attending any university or college in B.C., other than the University of British Columbia, to assist in graduate or undergraduate studies. Applications are to be directed to the Canadian National Institute for the Blind, British Columbia Division, 350 East 36th Avenue, Vancouver 15, B.C.

THE J.B. MacDONALD ALUMNI BURSARIES (U.T.)

The John B. MacDonald Alumni Bursaries - In honour of Dr. John B. MacDonald, President of the University of B.C. from 1962 - 1967, sixteen bursaries of \$350 will be awarded to students entering the U.B.C. in the fall from the regional colleges in B.C. Selection of the winners will be based on academic ability and financial need.

Applications for bursaries awarded by the University and tenable in the winter session, must be received by the Scholarship and Bursary Office, Room 207, Buchanan Building, University of B.C., not later than July 15. Application forms may be obtained at the Scholarship and Bursary Office after June 1.

OUR SAVIOUR'S LUTHERAN CHURCH WOMEN'S BURSARY (V.)

The Lutheran Church awards a \$100 bursary to a woman currently enrolled in a commercial program in the Vocational Division of the College. Application forms are available from the Student Services Office.

FINNING TRACTOR & EQUIPMENT CO. LTD. BUSINESS ADMINISTRATION BURSARIES (C.)

Finning Tractor & Equipment Co. Ltd. offers \$250 in Bursaries to CNC students. Two \$125 bursaries will be awarded to students entering the second year of the Business Administration program. For further information please see the Student Services Office.

FINNING TRACTOR & EQUIPMENT CO. LTD. HEAVY DUTY MECHANICS BURSARIES (V.)

Finning Tractor & Equipment Co. Ltd. offers \$250 in Bursaries to *two* students in the Heavy Duty Mechanics program. One \$125 bursary will be awarded to each Heavy Duty Mechanics class. For further information please see the Student Services Office.

VANCOUVER FOUNDATION BURSARIES (U.T., V., C.)

Funds are available to students who present evidence of sound academic achievement and who have financial need which cannot be satisfied through other sources. Applications must be submitted before July 1, 1972 to Mr. G.P. Daye, Executive Director, Vancouver Foundation, Suite 2211A, 1177 West Hastings Street, Vancouver 1.

Students wishing further information are asked to contact the Student Services Office.

3. LOANS

Loans are awarded on the basis of financial need. Loans may be either interest free or at a reduced rate of interest as prescribed by the lending agency.

THE GOVERNMENT OF CANADA STUDENT LOANS PLAN (U.T., V*, C.)

This is a plan introduced by the Federal Government to assist students who, without loan assistance, would be unable to pursue full-time post secondary studies at a specified educational institution. The maximum loan for an academic year is \$1,400. Total loans to any student cannot exceed \$9,800. A loan of up to \$700 may be authorized for a single semester which is part of a longer program of study. Borrowers under the plan are required to repay principal and interest by regular monthly instalments. Payments commence six months after the borrower ceases to be a full time student at a specified educational institution. No payments are made while the borrower is a full time student nor for six months thereafter. Interest during this period is paid by the Federal Government on behalf of the student. 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 by having married, or having completed successfully four full years of post-secondary education, or having reached the age of 21 years and having had at least twelve consecutive months' full time employment. Students are expected to save a substantial amount of any income from summer or other employment. Lack of funds due to unessential spending may not be considered as unavoidable need for loan assistance. Students who apply for loans should consider carefully the repayment obligation being undertaken. A student in need of a Canada Student Loan must, as a first step, obtain an application form from the institution he plans to attend. The application must be completed carefully and accurately by the student, and where applicable, by his parents. Applications require declarations by both the student and his parent that all information provided is correct. When the application is completed it must be submitted to the Student Services Office.

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* Only vocational division students enrolled in the following programs are eligible:

Bookkeeping and Accounting
Secretarial
Drafting
Practical Nursing
Dental Assisting

B.C. YOUTH FOUNDATION LOANS (U.T., V., C.)

The B.C. Youth Foundation was founded in 1946 by a donation from the late Mr. Jos. A. McKercher. An additional bequest has since been received from the estate of the late Mr. E.S.H. Winn.

Interest free loans are made to bona-fide B.C. young people to a maximum age of 30. Loans may be for fees, books, and/or a monthly allowance to assist with living expenses where the applicant is not living at home. Students eligible for government loans should first apply to that source. The loans are not designed only for University or College education, but are also made to students completing Grade 12 or studying in technical or vocational fields. A suitable adult guarantor is usually required.

Applicants should have an aptitude for their chosen field of study and a reasonable chance of success. Hopefully, they should contribute some of their own money to the cost of their education.

PLEASE NOTE: In order to determine your eligibility for a B.C. Youth Foundation Loan, you should first contact the Student Services Office. If you appear to meet the eligibility requirements you will be referred to Mr. S.E. Walmsley, Vancouver School Board, 1595 West 10th Avenue, Vancouver, for an interview.

ROTARY EMERGENCY LOAN FUND (U.T., V., C.)

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

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

AV PEO SISTERHOOD EMERGENCY LOAN FUND

The AV chapter of the PEO sisterhood makes an annual donation to the College emergency loan fund to assist women students requiring short-term financial assistance.

Application forms are available from the Student Services Office.

4. AWARDS

IMPERIAL OIL HIGHER EDUCATION AWARDS (U.T., V., C.)

Imperial Oil Limited offers annually free tuition and other compulsory fees to all children or wards of employees and annuitants who proceed to higher education courses. The courses may be taken at any Canadian university or other approved institution of higher learning. Each award is tenable for a maximum of four years. To be eligible, a student must attain an average mark of 70% or higher in appropriate secondary school examinations in the subjects required for admittance to the approved institution.

Completed application forms must be forwarded to:

THE COMMITTEE ON HIGHER EDUCATION (Secretary),
Imperial Oil Limited,
111 St. Clair Avenue West
Toronto 7, Ontario

before the date of registration for the first year or semester in which the award is to be held.

MUNGO MARTIN MEMORIAL AWARDS (U.T., V., C.)

The subject awards will be made annually from the proceeds of the Mungo Martin Memorial Fund, raised by public subscription under the sponsorship of the B.C. Indian Arts and Welfare Society of Victoria to commemorate Mungo Martin, the late Kwakwilt chief, artist, philosopher, and carver, who did so much to revive appreciation of Indian art and traditions of the Northwest Coast, winning renown far beyond its boundaries. The fund is administered by a Board of Trustees appointed by the said Society for this purpose. Its members serve without remuneration. The Board of Trustees is the sole authority adjudicating awards and its decisions are final.

Awards are to be made in any amount or amounts in any year within the limitations of available funds at the sole discretion of the Trustees. (Awards normally expected to be from \$50.00 — \$200.00).

The purpose of the awards is to assist people of Indian racial background to further their education, vocational training, skills and competence in arts, handicrafts, and other worthy endeavours. While age and circumstances of qualifying candidates may vary considerably, preference will be given to young people.

Candidates for awards must be of Indian racial background and must be domiciled in the Province of B.C. at the time of application.

The recipient of an award may apply for a further award in a subsequent year.

It is emphasized that these awards are open not only to those who wish to further their general education or skills, but in particular to those who seek to do creative work to further the artistic heritage of the Indian peoples, whether it be in painting, carving, music, dance, folklore or language.

Applications for awards should be made on forms provided by the Board of Trustees and may be mailed at any time for consideration at periodic meetings of the Board, to the following address:

The Board of Trustees,
Mungo Martin Memorial Award Fund
c/o The Director,
Provincial Museum,
Victoria, B.C.

SIMON FRASER UNIVERSITY RECREATION AWARDS (U.T.)

Recreation Awards are based on a good academic record and excellence in recreational activity.

Recreation Awards are available to outstanding individuals in the area of recreational sports, eg. wrestling, soccer, ice hockey, etc.

The Awards are made for a period of one semester. A student may reapply for an Award for a subsequent semester. Awards vary in amount but do not exceed the full semester fee.

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In addition, extraordinary Awards will be available to individuals who are registered as students at Simon Fraser University and who have demonstrated truly outstanding achievement in a special category, e.g. figure skating.

Any student academically eligible for entry to Simon Fraser University who excels in a recreational sport should contact the Director of Recreation for further information on Recreation Awards.

DENTAL ASSISTING AWARDS (V)

The Louise Backman Award for An Exceptional Project in the Advancement of the Dental Assisting program — donated by Mrs. Louise Backman, Instructor.

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

The Prince George Dental Assistants Association Award for Highest Theoretical Achievement — donated by the Prince George Dental Assistants Association.

The Senior Dental Health Officer, Northern Health Unit, British Columbia, H.J. Hann, D.D.S., M.P.H. Award for Exceptional Interest in the Dental Health of Children.

HEAVY DUTY MECHANICS AWARDS (V)

115 Operating Engineers Union present a tool box for the highest academic achievement.

Ackland Ltd. present a combination wrench set for general proficiency.

PRACTICAL NURSING AWARDS (V)

The Instructor's Award presented for General Proficiency — donated by the instructors of Practical Nursing.

The Fairlie Peacock Memorial Award for Best Bedside Nursing — donated by Mrs. D. Ulmer.

The Licenced Practical Nurses Association Award for Best Ethical Conduct — donated by the Licenced Practical Nurses Association.

5. OTHER ASSISTANCE

HEALTH BRANCH DIVISION FOR AID TO HANDICAPPED (U.T., V., C.)

Students who are disabled and receiving medical attention and wish to attend C.N.C. may be eligible for financial assistance from the Division for Aid to Handicapped. It should be noted that such assistance must be part of a rehabilitation plan approved by the Division and may not be requested as a bursary or scholarship. For further information regarding eligibility, please address inquiries to:

Director
Division of Aid to Handicapped
Box 4020
Postal Station D
Vancouver 9, B.C.

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 any government agency 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







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**Career Division
and
University Transfer
Division**

ADMISSION

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 (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.

Admission Procedures

STUDENTS ENROLLING IN COURSES FOR CREDIT

a) NEW STUDENTS

- (i) Apply to student Services office for an application form in detail, attach 2 copies of your Secondary School or post-Secondary transcripts and enclose the \$10.00 application fee.

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, transcripts, and application fee 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.

b) 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.

c) AUDIT STUDENTS

Phone or write the Student Services office and request permission to register as an audit student in the course(s) that interest you.

You will receive registration information by mail, outlining the date and time at which you should register and pay tuition fees. Priority for space in classes is given to credit students.

Registration

Students must register in person on the date and at the time indicated on their notice of admission. This date and time of admission is determined by the permanent student number, which is assigned in the order in which applications are received.

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.

All students registering late will be charged the late registration fee. Final dates for late registration with penalty are:

Fall 1972	September 20
Spring 1973	January 17



FEES

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

A. FULL-TIME STUDENTS: (Students enrolled in 15 or more credit hours)**a) *In region* and *other region* students**

Tuition	\$125.00	
Student Activity fee	12.50	
	<hr/>	
	\$137.50	per Semester

b) *Out of region* students

Tuition	\$175.00	
Student Activity fee	12.50	
	<hr/>	
	\$187.50	per Semester

B. PART-TIME STUDENTS (Students enrolled in fewer than 15 credit hours)**a) *In region* and *Other region* students**

Per course – Tuition	\$ 25.50	
Per course – Student Activity Fee	4.50	to maximum \$12.50
	<hr/>	
	\$30.00	per Semester

b) *Out of region* students

Per course – Tuition	\$ 35.50	
Per course – Student Activity Fee	4.50	to maximum \$12.50
	<hr/>	
	\$ 40.00	per Semester

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

a) *In region* and *other region* students

Tuition	\$ 8.50	per credit hour
Student Activity Fee	1.50	per credit hour to maximum \$12.50
	<hr/>	
	\$ 10.00	per Semester

b) *Out of region* students

Tuition	\$ 12.00	per credit hour
Student Activity Fee	1.50	per credit hour to maximum \$12.50
	<hr/>	
	\$ 13.50	per Semester

C. AUDIT STUDENTS

Per Course – Tuition	\$ 15.00	per Semester
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Application Fee

\$10.00 payable at the time of the initial application.

Applications will not be processed without the application fee. This fee is not refundable but is applied to the student's first semester tuition fee.

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 should arrange with the Bursar to pay within fourteen days of the commencement of classes.

Students whose fees are not paid within fourteen days of the commencement of classes may be required to withdraw from the College.

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
Student Activity Fee	12.50
Books and Supplies	60.00
Local Transportation	42.50
Miscellaneous	<u>\$100.00</u>
	\$340.00

The cost of room and board for students from outside Prince George generally ranges from \$85.00 – \$100.00 per month (See Subsidy, page 33).

Miscellaneous Fees

Late registration	\$ 5.00	per course to maximum \$25.00
Grade appeal	5.00	
Duplicate Transcript	2.00	(3 copies)
Duplicate Diploma	3.00	
Reinstatement fee	10.00	
Library and 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.

Refund

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

Scale of Withdrawal Refunds (See College Calendar for specific dates)

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

Academic Standing

Students are assigned an academic status at the beginning of each Semester. All students with a current grade point average of 0.59 or lower will not be permitted to continue in the following Semester. Students with a current grade point average between 0.59 and 1.50 will automatically be assigned probationary status for the following Semester.

The minimum requirement for completion of any C.N.C. program is a cumulative grade point average of 2.0 (See also Status of Students Page 42).

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 indicated below.

1972 Fall Semester 6 September — 27 September

1973 Spring Semester 3 January — 26 January

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 a counsellor's signature in the 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 Career 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 24 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 17 for students who expect to graduate at the end of the Fall Semester and by March 15 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.

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
B	Above Average Achievement The student exhibits consistent mastery of the course and is able to relate the course content to other knowledge	3
C	Average Achievement The student exhibits sufficient comprehension of the subject matter to indicate success in more advanced courses in the same field	2
P	Below Average Achievement The student is granted College credit for the course but cannot be guaranteed credit for the course in another institution	1
F	Fail – No credit granted	0
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.	*

42 CAREER AND UNIVERSITY TRANSFER DIVISIONS

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 x Credit Hours
1	3	A	4	12
2	3	B	3	9
3	4	C	2	8
4	2	D	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.

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

a) 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.

b) 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 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 0.60 and 1.49 (inclusive). 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 0.60 and 1.49, may be required to withdraw.
- (iv) Audit Status — assigned to students taking a course for interest only. Audit students do not receive grades or credit for courses taken.

Transcripts

The Official Transcript includes a record of the student's grades for all courses attempted at the College, and is imprinted with the College Seal and signed by the Registrar. One transcript will be 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.

In addition to the University transfer programs listed in Section 8 of this Calendar all B.C. Community Colleges accept each others courses upon transfer.

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 following dates:

Fall Semester	1972	September	6	November	17
Spring Semester	1973	January	3	March	16

Students who withdraw after these dates will receive an 'F' grade for all courses in which they are registered.

Students with a current grade point average of 0.59 or lower will be required to withdraw for at least one Semester.



5

**Career Division
Programs
and Courses**

BUSINESS PROGRAMS

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

B. COMM. TRANSFER

Students must select courses that satisfy the requirements of the first two years of Business and Commerce departments of the university to which the student intends to transfer. For further details see page 77.

DIPLOMA IN GENERAL STUDIES — BUSINESS OPTION

Students may select courses from both the University Transfer division and the Career division and devise their own program to suit their own specific needs. For further details see page 115.

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 business situations.

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.



THE COURSE — 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
Mathematics of Finance	MATH 154-3
Introduction to Economics	ECON 151-3

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
Human Relations	PSYC 153-3
Canadian Economic Issues	ECON 152-3

SEMESTER 3

Business Law	BUS 163-3
Financial Management I	BUS 257-3
Statistics	MATH 155-3

plus three electives selected from:

Intermediate Accounting I	BUS 251-3
Cost Accounting I	BUS 253-3
Marketing I	BUS 271-3
Personnel Management I	BUS 274-3
Systems Analysis	EDP 253-3
Business Uses of the Computer	EDP 255-3
Social Science Elective	

SEMESTER 4

Business Management	BUS 255-3
Financial Management II	BUS 258-3

plus four electives selected from:

Industrial Relations	BUS 164-3
Intermediate Accounting II	BUS 252-3
Cost Accounting II	BUS 254-3
Personnel Management II	BUS 275-3
Marketing II	BUS 282-3
Systems Design	EDP 254-3
Case Studies	EDP 256-3

Construction Technology

Graduates of this Program will 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.

Upon graduation the construction technologist will understand why people do what they do in the construction business and be able to relate what is done to earning a profit. To accomplish this, he will study construction materials including soil, concrete, aluminum, steel, wood, masonry, plastic, glass; drafting and blueprint reading, communications management, surveying, estimating, scheduling and industrial relations. In addition, he will complete four electives selected from any College program.

Opportunities will be provided for employment between the second and third semesters for on-the-job experience which will assist the student in eventual placement.

This program was designed with the assistance and co-operation of the Northern Interior Construction Association of British Columbia.

The Courses*

SEMESTER 1

Construction Materials and Applications I	CONS 251-3
Drafting	TECH 153-2
Physics I	PHYS 151-3
Mathematics	MATH 151-3
Effective Communication I	ENGL 151-3
Elective	

SEMESTER 2

Construction Materials II	CONS 252-3
Blueprint Reading	TECH 154-2
Physics II	PHYS 152-3
Management	BUS 154-3
Effective Communication II	ENGL 152-3
Elective	

SEMESTER 3

Estimating and Bidding I	CONS 261-3
Strength and Design	CONS 271-3
Surveying	SURV 151-3
Personnel	BUS 274-3
Elective	

SEMESTER 4

Estimating and Bidding II	CONS 262-3
Construction Scheduling	CONS 274-3
Construction Problems	CONS 282-3
Human Relations	PSYC 153-3
Principles of Supervision	PSYC 253-3
Industrial Relations	BUS 164-3
Elective	

* Subject to revision

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, data processing equipment operator, programmer, or systems analyst.

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

The Courses

SEMESTER 1

Effective Communication I	ENGL 151-3
Mathematics of Finance	MATH 154-3
Data Processing Fundamentals	EDP 151-3
Accounting I	BUS 151-3
Business Organization I	BUS 153-3
Introduction to Economics	ECON 151-3

SEMESTER 2

Effective Communication II	ENGL 152-3
Human Relations	PSYC 153-3
Accounting II	BUS 152-3
Computer Programming I	EDP 152-3
Business Organization II	BUS 154-3
Canadian Economic Issues	ECON 152-3

SEMESTER 3

Statistics	MATH 155-3
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
Business Law	BUS 163-3

SEMESTER 4

Cost Accounting II	BUS 254-3
Computer Programming III	EDP 252-3
Systems Design	EDP 254-3
Case Studies	EDP 256-3
Social Science Elective	
Business Elective	

Early Childhood Education

The program for Early Childhood is designed to train workers 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 birth 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, parent, 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 preschool centres and their relationship to the elementary school

In addition to regular classroom instruction students are required to spend time at the New Caledonia Children's Centre which provides the student with an opportunity to co-ordinate theory and practice.

At present the first year of the program qualifies a person to be a supervisor of a pre-school centre, and gives the student the C.N.C. certificate. The province of British Columbia is currently revising its Community Care Facilities regulations, however, so that the future first year will qualify a person to be an assistant in a centre, and the second year will be required to qualify for a supervisor's position.

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 doctor regarding their mental and physical condition.

Entry into the second year of the program may be gained by either completion of year 1 or its equivalent from Adult Education.

Students may enroll in either year on a part time basis.

It is recommended 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 August; following this review students will be notified of their eligibility for admission.

The Courses

SEMESTER 1

Effective Communication I	ENGL 151-3
Human Development	ECE 151-3
Philosophy of ECE	ECE-154-3
General Psychology I	PSYC 151-3 or 101-3
Observing & 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

SEMESTER 3

Infant Development	ECE 252-3
Children's Literature	ECE 261-2
Sociology	SOC 151-3 or 101-3
Health	ECE 272-2
Nutrition	ECE 273-2
Creative Arts Workshop	ECE 263-3
Practicum II	ECE 291-6

SEMESTER 4

Exceptional Children	ECE 253-2
Supervision	ECE 254-2
Family in Society	ECE-251-3
Seminar in ECE	ECE 282-3
Practicum III	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.

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

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

Prerequisites to the program are Math. 12, Biology 11, Drafting 12, and Chemistry 11, however exceptions will be made depending upon a student's grades and summer employment experience. Mature students are admitted with less than grade 12 academic-technical 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 may wish to seek employment on the coast upon graduation.

NOTE: Due to the large number of applications received for admission to this program, selected candidates may be required to attend an interview with the Forest Resource Technology selection committee in mid August.

The Courses

SEMESTER 1

Effective Communication I	ENGL 151-3
Mathematics	MATH 151-3
Data Processing Fundamentals	EDP 155-3 (first half)
Forest Science I	FOR 151-3
Forest Measurements I	FOR 161-3
Fire Control I	FOR 165-3
Photogrammetry I	FOR 171-3
Forest Drafting I	FOR 173-1

SEMESTER 2

Effective Communication II	ENGL 152-3
Statistics	MATH 155-3
Data Processing Fundamentals	EDP 155-3 (second half)
Forest Science II	FOR 152-3
Forest Measurements II	FOR 162-3
Fire Control II	FOR 166-3
Photogrammetry II	FOR 172-3
Forest Drafting II	FOR 174-2

SEMESTER 3

Mathematics	MATH 251-3
Forest Management I	FOR 251-3
Silviculture I	FOR 253-3
Forest Pathology	FOR 255-3
Applied Sampling Procedures	FOR 261-3
Forest Financing I	FOR 281-3
Roads and Transportation I	FOR 285-3
Logging I	FOR 287-3

SEMESTER 4

Technical Writing	ENGL 251-3
Forest Management II	FOR 252-3
Silviculture II	FOR 254-3
Forest Entomology	FOR 256-3
Scaling	FOR 262-3
Forest Cost Accounting	FOR 282-3
Roads and Transportation II	FOR 286-3
Logging II	FOR 288-3



Mining Technology

Canada has over the past decade become one of the world's major producers of minerals and metals, including asbestos, potash, copper, lead, zinc, iron, nickel and molybdenum.

Continuing exploration activity in British Columbia and the Yukon has established the College region as one of the most promising mineral bearing areas on the continent, and a number of major discoveries will undoubtedly increase mining activity and the need for qualified technologists.

As mining deposits become harder to find, exploration techniques become increasingly more sophisticated, and mining operations generally are tending toward larger and more highly technical operations.

As a result the mineral industry of Canada provides unusual and continuing opportunities for employment in its technical occupations and in its production supervision.

Students wishing to enter this program should be able to get along with other people and be willing to travel or work in smaller communities. They should also be in good health and must be able to pass a medical examination and standard chest X-ray if they wish to work in or around a mine.

Students take a basic first year program at C.N.C. and then transfer into the second and final year of British Columbia Institute of Technology — Mining Technology Program, for more specialized instruction. Graduates interested in further training may be able to take advantage of B.C.I.T.'s transfer arrangements with the Colorado School of Mines.

Students seeking admission to this program should include the following courses in their Secondary School program: Math 12, Chemistry 11.

The Courses

SEMESTER 1

Chemistry I	CHEM 153-3
Effective Communication I	ENGL 151-3
Mathematics	MATH 151-3
Technical Physics I	PHYS 151-3
Drafting I	TECH 153-2
Geology	GEOL 151-3
Mining I	GEOL 153-3
Surveying I	SURV 151-3

SEMESTER 2

Chemistry II	CHEM 154-3
Effective Communication II	ENGL 152-3
Mathematics	MATH 152-3
Technical Physics II	PHYS 152-3
Drafting II	TECH 154-2
Geology	GEOL 152-3
Mining II	GEOL 154-3
Surveying II	SURV 152-3

Second Year — B.C.I.T.

6

**Career Division
Course Descriptions**

STANDARD COURSE ABBREVIATION

The following abbreviations are used for courses offered at the College in the Career division.

Business	BUS
Chemistry	CHEM
Construction	CONS
Criminology	CRIM
Early Childhood Education	ECE
Economics	ECON
Data Processing	EDP
English	ENGL
Forestry	FOR
Geology	GEOL
Mathematics	MATH
Physics	PHYS
Psychology	PSYC
Sociology	SOC
Surveying	SURV
Technology	TECH

Course Numbering

Each course is identified by a four digit number, for example BUS 151-3. The first three digits identify the course, 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.

The letter (F) or (S) after the course title indicates in which semester the course will be offered: (F) Fall (S) Spring.

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

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

NOTE:

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

- BUS 151-3 ACCOUNTING I (F)**
This introductory subject covers the fundamental concepts and techniques of the accounting process in partnerships and corporations. Emphasis is placed upon the flow of accounting information through the business and its relation to other functional areas. All material is integrated with case studies. (2,3)
- BUS 152-3 ACCOUNTING II (S)**
A continuation of Principles of Accounting I. This course will further develop an understanding of fundamental concepts in the accounting process. (2,3)
- 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 155-3 BASIC ADMINISTRATION FOR MUNICIPAL OFFICIALS**
An introduction to the organization of government in Canada at the federal, provincial and municipal levels.
Included are a review of the principles of confederation, government structures, some basic concepts of public administration and administrative law.
- BUS 163-3 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)**
More emphasis is placed upon the theoretical aspects of the accounting process. The accounting system as a whole is analyzed as means of external financial reporting. (2,2)
- BUS 252-3 INTERMEDIATE ACCOUNTING II (S)**
More emphasis is placed upon the theoretical aspects of the accounting process. The accounting system as a whole is analyzed as means of external financial reporting. This course is a continuation of Intermediate Financial Accounting II. (2,2)

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- BUS 253-3 COST ACCOUNTING I (F)**
This course helps the student develop a basic understanding of accounting for management. Budgeting and control are the basic themes. Unit costing — job order, process and variable — is well covered, as is standard costing, including setting cost standards and analyzing variances from standard.
Prerequisite: Business 152-3. (2,2)
- BUS 254-3 COST ACCOUNTING II (S)**
A continuation of Cost Accounting I.
Prerequisite: Business 253-3. (2,2)
- BUS 255-3 BUSINESS 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 emphasised through extensive case preparations and discussions. (2,2)
- BUS 257-3 FINANCIAL MANAGEMENT I (F)**
An introduction to and application of financial tools to analyze the internal operations of the business enterprise with the objective of measuring performance and assisting management decision-making, some of the topics discussed are ratio analysis, budgeting, break-even analysis.
Prerequisite: Second year standing. (3,0)
- BUS 258-3 FINANCIAL MANAGEMENT II (S)**
A review of techniques to control cash, accounts receivable, and inventory levels. Sources of short-term and long-term funds for both large and small businesses are studied. While not a prerequisite, the student may benefit more from this course if he has taken Financial Management I.
Prerequisite: Second year standing. (3,0)
- BUS 259-3 INTRODUCTORY MUNICIPAL FINANCE**
Basic principles of municipal finances and funding, emphasizing differences from normal business financial principles.
Students not familiar with basic accounting concepts and techniques will be required to complete a qualifying course before commencing this course.
- 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. (2,2)

- BUS 274-3 PERSONNEL I (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. (2,2)
- BUS 275-3 PERSONNEL II (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.
 Prerequisite: Business 274-3. (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)
- CHEM 153-3 INTRODUCTORY CHEMISTRY I (F)**
 Introduction to chemistry primarily for those with no chemistry or Chemistry II. Included are the periodic table, bonding, equilibrium, pH calculations, gases and molecular structure. (3,3)
- CHEM 154-3 INTRODUCTORY CHEMISTRY II (S)**
 Organic chemistry and biochemistry for technical students.
 Prerequisite: Chemistry 153-3 (3,3)
- CONS 251-3 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 252-3 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 253-3 CONSTRUCTION MANAGEMENT AND SCHEDULING I**
 This course covers the basic business and management theory, and the practical aspects of construction scheduling, in such a way as to provide the contractor or construction project supervisor with a good grounding in construction management.

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CONS 254-3 CONSTRUCTION MANAGEMENT II

Based on managerial principles examined in Construction Management and Scheduling, the student will analyze how to improve efficiency and profits through planning and controlling operations and using good communicating practices.

Some aspects of business included: company policies and standard procedures, field and office supervision, cost control tools, cost performance analysis, contractor's responsibility to owners, architects, engineers and trades.

CONS 255-3 CONSTRUCTION MANAGEMENT III

An examination of how a construction manager uses a multiplicity of skills and knowledge in personnel and contract management. Emphasis placed on personnel selection, wage scales, training, etc.

CONS 261-3 ESTIMATING AND BIDDING I (F)

This course deals with basic fundamentals of building construction estimating (material and labour); the use of quantity take-off sheets and preparation of a general estimate. This course will integrate knowledge and understanding gained during the first two semesters of the Construction Management Program. (3,1)

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. (3,1)

CONS 271-3 CONSTRUCTION STRENGTH AND DESIGN (F)

An introduction to the field of strength of materials and structural analysis. Topics will include a definition of stress and strain, typical stresses due to common load types, distribution of loads through a few typical structure types and loads converted to stresses for simple structural members. The course is not aimed at producing designers or engineers, but rather at providing an awareness of the magnitude and complexities of the designer's problems. (3,1)

CONS 274-3 CONSTRUCTION SCHEDULING (S)

This course is designed to show the students the sequence of events that take place during construction projects. The methods used to set up a schedule for the various activities will be explained. Several different major construction projects will be studied and schedules of activities will be drawn up by the students. (3,1)

CONS 282-3 CONSTRUCTION PROBLEMS (S)

During a construction project, many problems arise to test the ingenuity of the site manager. During this course many of these problems, including excessive rain, snow, very cold temperatures, difficult access and unusual terrain will be discussed. Considerable time will be devoted to the study of case histories. (3,1)

CRIM 153-3 ORGANIZATION OF POLICE AND CORRECTIONAL SERVICES

The evolving role of police in crime prevention and protection of life and property on municipal, city, provincial and federal correctional agencies. The role of probation, institutions, parole and after care in the rehabilitation of the offender.

CRIM 155-3 LAW ENFORCEMENT AND COMMUNITY RELATIONS

This course will further the understanding of policemen and correctional personnel of the attitudes, skills and knowledge required for fulfilling leadership roles in the community, and assist them to communicate better their function to citizens. Technique of coping with persons under stress, with suspicions and hostility.

CRIM 161-3 CANADIAN LEGAL SYSTEM

Law at the national level: basic premises, role of the Commons and the Courts, lawyers and peace officers; provincial legal systems: origins, differences and similarities, the role of the legislature, provincial courts, peace officers and lawyers; the relationship between these and offenders, and rehabilitative personnel.

CRIM 171-3 CANADIAN PUBLIC ADMINISTRATION

The role and image of the public service in Canada, how it functions at the national, provincial and municipal levels; the importance of this professional body to the implementation of policy and how it may affect the development of policy; the relationship between correctional and enforcement services and other major segments in public administration.

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.

(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 165-3 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 OBSERVATION OF PRESCHOOLERS

(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, and 161-3.

(0,12)

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- 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 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: ECE 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 CHILDREN'S LITERATURE (F)
A review of the history of literature for children and a look at the vast amount of material available for use with young children today. (2,0)
- ECE 263-3 CREATIVE ARTS WORKSHOP (F)
A workshop designed to give the student a feeling for planning experiences for the young child in the areas of the arts and music. (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 EARLY CHILDHOOD EDUCATION (S)
Discussion of behaviour 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. (0,12)

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- ECE 292-6 PRACTICUM III (S)
 Practical experience of working with young children under the guidance of qualified supervisors. (0,12)
- ECON 151-3 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 152-3 CANADIAN ECONOMIC 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 151-3. (3,0)
- 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 155-3 FORTRAN FOR TECHNICIANS (F) (S)
 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. (2,2)
- 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 done generally by use of a high level language and this is translated by a compiler into the basic machine language. The languages offered this semester are 1130 Assembler and Fortran. Fortran is generally thought of as being a scientific language although, as will be shown, it can be used as a business data processing language too. (3,3)

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- EDP 252-3 PROGRAMMING III (S)
Two of the most commonly used computer languages are RPG (Report Generating Language) and Cobol (Common Business-Oriented Language), which are both learned by writing several small programs. (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.
Prerequisite: 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 CASE STUDIES (S)
Actual companies and organizations using computers are evaluated for the effectiveness of their computer installation and specific applications. Emphasis is given to profitable computer usage and some of the pitfalls to avoid.
Prerequisite: EDP 151-3 and 152-3. (1,2)
- ENGL 151-3 EFFECTIVE COMMUNICATION I (F)
Students are involved with various aspects of communications on both the practical and theoretical levels. Emphasis is placed on the development of effective speaking and writing skills, with an additional concern for communications theory, mass media study, advertising techniques, contemporary literature (short stories, poetry, plays, essays). Student participation is stressed. (3,0)
- ENGL 152-3 EFFECTIVE COMMUNICATION II (S)
Mass media, advertising techniques, etc. As well, the student is required to write essays and present one major research project. One contemporary novel and one play will be studied in detail.
Prerequisite: English 151-3 (3,0)
- ENGL 154-3 APPLIED COMMUNICATIONS
This course provides practical experience in applying rhetorical skills to communication situations on the job.
Topics include persuasion and motivation strategies; conduct of and participation in business meetings; group leadership skills; the arts of listening and observation; various types of internal and external business communications.

- FOR 151-3 FOREST SCIENCE I (F)
 Forest science is the study of botany and in particular dendrology, history and practices in logging, the geography of B.C. and sawmilling. The emphasis of this first semester course is on understanding the technical terminology and broad concepts in forestry.
 (3,5)
- FOR 152-3 FOREST SCIENCE II (S)
 This course emphasizes the study of wood, its characteristics, properties and uses in paper manufacture, plywood, particle boards and laminated members. The sciences of forest soils, ecology and plant associations are reviewed.
 Prerequisite: Forestry 151-3. (3,5)
- FOR 161-3 FOREST MEASUREMENTS I (F)
 Forest Measurements I is 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. Mapping and drafting are important. The construction and use of tables and graphic techniques both for reference and summarization of data is emphasised. (3,3)
- FOR 162-3 FOREST MEASUREMENTS II (S)
 Forest Measurements II includes statistics for their application to control sampling error, methods of volume compilation, computer analysis of data, and field procedures. The importance of accurate report-writing is stressed.
 Prerequisite: Forestry 161-3. (3,3)
- FOR 165-3 FIRE CONTROL I (F)
 This course introduces fire behaviour as it is affected by weather, topography and fuel types. Methods of measuring these variables are studied with the purpose of understanding fire hazard and index ratings. Presuppression planning is also presented. (2,2)
- FOR 166-3 FIRE CONTROL II (S)
 The course further develops the theory and practices of fire behavior in the first semester and applies this knowledge to suppression tactics. Fire suppression methods are studied by simulated exercises.
 Prerequisite: Forestry 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 173-1 FOREST DRAFTING I (F)
 Basic drafting and lettering skills, free hand drawing, orthographic projections and topographic mapping. (0,2)

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- FOR 174-2 FOREST DRAFTING II (S)
Topographic mapping, logging layout plotting, basic architectural drafting.
Prerequisite: Forestry 173-1. (0,2)
- FOR 251-3 FOREST MANAGEMENT I (F)
Topics in this course will include the Forest Act, the Sloan Commission Report, the structure and responsibilities of the B.C. and Federal Forest Services and of a typical, large, integrated forest complex and forest tenure in B.C. The first term of this course is to establish the fundamental concepts of the regulation of forests in B.C. and to develop an understanding of the regulatory agencies responsible for forest policies.
Prerequisites: Forest Science 151-3 and 152-3. (2,2)
- FOR 252-3 FOREST MANAGEMENT II (S)
The subjects covered include determinations of rotation ages, sustained yield cuts, stumpage and royalties, legal agreements and contracts, the tax and tariff structure placed on forest products, utilization standards, the Canadian Standards Association and Workman's Compensation Act.
Prerequisites: Forestry 251-3 (2,2)
- FOR 253-3 SILVICULTURE I (F)
Silviculture is the study of nursery and planting practices including site preparation and the use of herbicides, the edaphic characteristics of B.C.'s commercial tree species and cutting practices used in harvesting timber crops.
Prerequisites: Forestry 152-3. (2,2)
- FOR 254-3 SILVICULTURE II (S)
Topics covered in the second term include the measurement of forest site, site indicators used in the six B.C. forest regions and a study of forest soils.
Prerequisites: Forestry 253-3. (2,2)
- FOR 255-3 FOREST PATHOLOGY (F)
The student will study the life cycle of the principle tree diseases of each commercial species in B.C. with some reference to related diseases in other parts of Canada, the economic importance of tree diseases and the history of their chemical or biological control.
Prerequisite: Forestry 152-3. (2,2)
- FOR 256-3 FORESTRY ENTOMOLOGY (S)
Forest Entomology is the study of the life cycles and economic importance of the principle insect pests of the Western forests of Canada, their control and history of damage.
Prerequisite: Forestry 152-3. (2,2)
- FOR 261-3 APPLIED SAMPLING PROCEDURES (F)
Sampling and mapping procedures required to develop industrial operations maps and cruise reports.
Prerequisite: Forestry 162-3. (0,3)

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- FOR 262-3 SCALING (S)
The scaling course will cover scaling procedures used in both the coast and interior of B.C. This involves cubic and weight scaling, water and dry land scaling and bush scaling. The B.C.F.S. cubic volume scaling compilations methods form an important part of the course.
Prerequisite: Forestry 152-3. (1,3)
- FOR 281-3 FOREST FINANCING I (F)
Course content in the first term will be cost accounting and budgeting practices used in the operation of a logging camp, personnel management and labour requirements in both forestry and logging.
Prerequisites: Forestry 152-3 and 162-3. (2,2)
- FOR 282-3 FOREST FINANCING II (S)
The emphasis of this term's work will be on logging costs from stump to mill, log quality control, payroll management and deductions, insurance regulations and preventative maintenance methods.
Prerequisites: Forestry 281-3. (2,2)
- FOR 285-3 ROADS AND TRANSPORTATION I (F)
Logging layout and road construction techniques used in both the coastal and interior areas of B.C.
Prerequisites: Forestry 162-3 and 152-3. (3,3)
- FOR 286-3 ROADS AND TRANSPORTATION II (S)
A continuation of Forestry 285-3. (3,3)
- FOR 287-3 LOGGING I (F)
Coast and interior logging techniques and systems are studied in the first term, including cable and tractor yarding, falling and bucking loading, machine specifications and design and manpower requirements.
Prerequisites: Forestry 162-3 and 152-3. (2,2)
- FOR 288-3 LOGGING II (S)
Crew and camp management, cost control, contracting and contract drafting, preventative maintenance and log grade control.
Prerequisites: Forestry 287-3. (2,2)
- GEOLOGY 151-3 INTRODUCTION TO PHYSICAL GEOLOGY (F)
This course is similar to Geology 101-3. Laboratory assignments, however, emphasize economic and practical aspects, and participation in all field trips is required. (3,3)
- GEOLOGY 152-3 INTRODUCTION TO HISTORICAL GEOLOGY (S)
This course is similar to Geology 102-3. Laboratory assignments emphasize economic and practical aspects.
Prerequisite: Geology 151-3. (3,3)

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- GEOL 153-3 INTRODUCTION TO MINING I** (F)
The nature, occurrence and classification of mineral resources, nature of mineral industries, exploration, prospecting methods and legal requirements, assessment work, methods of evaluation, constraints and conditions sampling techniques and determination of grade; a review of possible extraction methods and costs, cut off grade; calculation of ore reserves and the value of a property. (3,3)
- GEOL 154-3 INTRODUCTION TO MINING II** (S)
Development of a mineral property, financing, selection of mining method, smelting and mining costs; surface method; placer recovery, strip mining, open pit methods and equipment. The classification and comparison of underground methods, shaft sinking, crosscuts, drifts, layout of stopes, breaking ground, ground support, ore and waste haulage, ventilation, and grade control.
Prerequisite: Geology 151-3. (3,3)
- MATH 151-3 TECHNICAL MATHEMATICS** (F)
Topics include functions, exponential and log functions, trigonometric functions and an introduction to analytic geometry with applications. Students calculate areas and volumes using numerical techniques. (3,0)
- MATH 152-3 PRINCIPLES OF MATHEMATICS** (S)
An introduction to the fundamentals in determinants, matrices, vectors and systems of linear equations. An intuitive approach to differential and integral calculus with emphasis on techniques and physical applications are developed. (3,0)
- MATH 154-3 MATHEMATICS OF FINANCE** (F)
An introductory course in the mathematics of finance and investment. Topics include: simple interest, discount, compound interest, annuities, amortization, sinking funds, depreciation, valuations of investment, present value. (3,0)
- MATH 155-3 INTRODUCTION TO STATISTICS** (F and S)
Descriptive statistics, elementary probability theory, statistical inference and the practical application of these topics are emphasized. (3,0)
- PHYS 151-3 TECHNICAL PHYSICS I** (F)
Examples relevant to career programs form the basis for assignments. Laboratory experiments and demonstrations are part of the course.
Prerequisite: Physics 11. (3,3)
- PHYS 152-3 TECHNICAL PHYSICS II** (S)
A continuation of Physics 151-3.
Prerequisite: Physics 151-3. (3,3)
- 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)
 A continuation of Psychology 151-3. Topics include thinking, language, intelligence and intelligence testing, personality theories, and personality assessment, mental health and behavioral disorders, with an introduction to Social Psychology.
 Prerequisite: Psychology 151-3. (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 251-3 PSYCHOLOGY OF ABNORMAL BEHAVIOUR
 Students 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 the observed behaviours.
- PSYC 253-3 PRINCIPLES OF SUPERVISION (S)
 Supervision from the perspective of the principles involved and the ethical nature of their application examined both from the position of the supervised person and the supervisor. (3,0)
- SOC 151-3 INTRODUCTION TO SOCIOLOGY I (F)
 Introduction to selected fields of sociology. Definitions and uses of sociological terms. The study of social groups and institutions, in particular the family, the kin group, and the neighborhood. (3,0)
- SURV 151-3 INTRODUCTION TO SURVEYING I (F)
 Purposes and types of surveys. Basic principles of measurement, precision and accuracy, treatment of errors; the measurement of distances, directions, compass surveys, plane tableing, chaining, traverses and topographic detail. Preparation of records. (3,3)
- SURV 152-3 INTRODUCTION TO SURVEYING II (S)
 A continuation of Surveying 151-3. Levelling, calculation of areas and volumes, the theodolite, triangulation, traverse calculations; site surveys, surface excavations; care, maintenance and adjustment of equipment.
 Prerequisite: Surveying 151-3. (3,3)
- TECH 153-2 DRAFTING I (F)
 Drafting equipment and supplies; lettering, technical sketching, working drawings; construction of sections, orthographic and isometric projections, conventional practices, scales, dimensioning; intersections and developments. (0,2)
- TECH 154-2 DRAFTING II (S)
 A continuation of Technology 153-2.
 Prerequisite: Technology 153-2. (0,2)



7

**Continuing Education
Certificate Programs**

APPLIED CRIMINOLOGY

A continuing education certificate program designed to provide relevant courses to those now working in law enforcement agencies, correctional services, and rehabilitative services.

The program should enable the participants to perform their present and anticipated duties more competently and to develop a better understanding of human nature as observed among their colleagues and clients.

Students must complete all the required courses to obtain the C.N.C. certificate.

Required courses:

Effective Communication I	ENGL 151-3
Law Enforcement and Community Relations	CRIM 155-3
Organization of Police and Correctional Services	CRIM 153-3
Psychology (Introductory)	PSYC 151-3
Sociology	SOC 151-3
Psychology of Abnormal Behaviour	PSYC 251-3
The Canadian Legal System	CRIM 161-3
Canadian Public Administration	CRIM 171-3
Applied Communications	ENGL 154-3
Elective Course	3 semester hours of credit

For specific course descriptions see pages 57 to 69.

NOTE:

1. This program has been designed to be transferable to other institutions in B.C. offering a similar program.
2. The specific courses to be offered during the evening each semester will be advertised well in advance of the beginning of the semester.
3. See section 6 for detailed course description.





CONSTRUCTION TECHNOLOGY (Certificate Program) *

A continuing education certificate program designed to provide relevant courses to those now working in the construction industry, to enable them to improve their knowledge and skills so as to increase their supervisory and administrative abilities. Transfer is possible between this program and the corresponding diploma program.

Students must complete all the required courses to obtain the C.N.C. certificate.

Required courses:

Effective Communication I	ENGL 151-3
Applied Communications	ENGL 154-3
Labour Relations	BUS 164-3
Estimating and Bidding I	CONS 261-3
Blueprint Reading	TECH 154-3
Construction Management and Scheduling I	CONS 253-3
Construction Management II	CONS 254-3
Construction Management III	CONS 255-3
Electives to total 6 semester hours of credit	

For specific course descriptions see pages 57 to 69.

NOTE:

1. This program has been designed to be transferable to other institutions in B.C. offering a similar program.
 2. The specific courses to be offered during the evening each semester will be advertised well in advance of the beginning of the semester.
 3. See section 6 for detailed course descriptions.
- * See also Construction Technology (Diploma Program) page 48.

MUNICIPAL ADMINISTRATION

A continuing education certificate program designed to provide relevant courses to those now working at the junior supervisory level in Municipal Administration throughout northern B.C., and to offer evening courses to grade 12 graduates interested in seeking a career in Municipal Administration.

For those not living close to Prince George a correspondence program primarily using audio tapes is available.

Students must complete all the required courses to obtain the C.N.C. Certificate.

Required courses:

Effective Communication I	ENGL 151-3
Basic Administration for Municipal Officials	BUS 155-3
Human Relations	PSYC 153-3
Municipal Finance	BUS 259-3
Supervisory Methods	PSYC 253-3
Data Processing – Systems and Procedures	EDP 161-3
Statistics	MATH 155-3
Economics	ECON 151-3

Electives to total at least 6 semester hours of credit

For specific course descriptions see pages 57 to 69.

NOTE:

1. The specific courses to be offered during the evening each semester will be advertised well in advance of the beginning of the semester.
2. See section 6 for detailed course description.



8

**University Transfer
Programs**

**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, 102-3, 103-3. Six semester hours of lab science (Biology, Chemistry, Physics, Geology, Geography.) 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 hours of History, Geography or other Social Science. 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 101-3 and 201-3 or 203-3 or 205-3) Math 101-3 and 102-3 or 103-3 and 104-3. 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. Consult S.F.U. calendar for requirements. TOTAL 30 SEMESTER HOURS 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 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.
Notre Dame University	No B. Ed. program is offered, however the student may take the one year program after a bachelor's degree at N.D.U.

Commerce and Business Administration

University of B.C.	Any two of English 101-3, 102-3, 103-3; Math 101-3 and 102-3 <i>or</i> 103-3 and 104-3; 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 <i>or</i> 103-3 and 104-3; Physics 103-3 and 104-3 <i>or</i> 105-3 and 106-3; Biology 101-3 and 102-3 <i>or</i> 103-3 and 104-3 <i>or</i> 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 <i>or</i> 103-3 and 104-3; Physics 103-3 and 104-3 <i>or</i> 105-3 and 106-3; Biology 101-3 and 102-3 <i>or</i> 103-3 and 104-3 <i>or</i> six semester hours of a non-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.

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Degree at U.B.C.	SUGGESTED FIRST TWO SEMESTERS AT C.N.C. FOR DEGREE PROGRAMS 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 103-3 and 104-3 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 103-3 and 104-3 or 105-3 and 106-3. Six semester hours of electives 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, or 103-3 and 104-3; Chemistry 101-3 and 102-3 or 103-3 and 104-3; Math 101-3 and 102-3; Physics 103-3 and 104-3 or 105-3 and 106-3. (Electives could be taken in lieu of Biology and Chemistry if the "12" level course in each had been taken in Secondary School or in lieu of Physics if Physics 11 had been taken.)
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 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	Same as "Science".
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 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 103-3 and 104-3 or 105-3 and 106-3; Biology 101-3 and 102-3.
Nursing	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 or 103-3 and 104-3; Six semester hours of non-science electives.
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 103-3 and 104-3 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</p> <p>Two of English 101-3, 102-3, 103-3; Biology 101-3 and 102-3 or 103-3 and 104-3; 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</p> <p>Two of English 101-3, 102-3, 103-3; Mathematics 101-3, and 102-3; Biology 101-3 and 102-3 or 103-3 and 104-3; Physics 103-3 and 104-3 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 or 103-3 and 104-3; Psychology 101-3 and 102-3; Sociology 101-3 and 102-3; Art 103-3 and 104-3.
Rehabilitation Medicine	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; Math 101-3 and 102-3; Six semester hours of electives.
Social Work	Since a Bachelor of Arts (B.A.) degree is required of all applicants to Social Work the information given under "Arts" applies also here.

SPECIAL UNIVERSITY TRANSFER PROGRAMS

Traditionally, first year university and college students have enrolled in five separate courses each semester. Although such a system allows the student to examine particular subject areas in more detail, it has the disadvantage of fragmenting knowledge into specific disciplines. Facts may be successfully compartmentalized into subject areas, but true insight and wisdom cannot be. To be educated in the liberal sense one must learn to see beyond the confines of rigid disciplines.

The University Transfer division is offering two new programs, Communications I and Humanities I, which are designed to break down the traditional barriers between courses.

Humanities I

Similar to the Arts I program at U.B.C., Humanities I will totally abandon the traditional course structure. For nine to twelve hours each week students and instructors will focus on one main topic of basic human concern, without regard to subject areas or disciplines. All efforts will be centred around gaining a more complete understanding of the one main theme, with substantial reading and writing assignments directed towards that goal.

Instructors and students will work together, reason together, and learn together. Three 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.

In 1972-73 the central focus of Humanities I will be "Man and Nature". Sample readings: Collingwood, *The Idea of Nature*; Shakespeare, *King Lear*; Fitzgerald, *The Great Gatsby*; Rousseau, *Discours*; Swift, *Gulliver's Travels*.

Communications I

A two semester program in which the course structure is retained, except that all the courses will be related to the one central theme of Communications. While taking classes in first year English, Psychology, Geography, Theatre, and Art, students will also see how these disciplines are related to Communications, and in the process, how they are related to each other. Understanding of the inter relationships will be fostered by a group project carried out in the second semester.

In the English courses readings will be chosen to illustrate the importance of communications in human experience. Short stories by Joyce, Steinbeck, Tolstoy and Kafka, plays by Pinter, Albee and Beckett, and non-fiction reading from McLuhan are probable choices.

The Psychology courses will be similar to Psychology 101 and 102, except that they will concentrate on topics of particular relevance to communications. Perception and its relationship to propaganda and advertising, prejudice and its influence on perception are examples of topics to be included.

Whereas the first semester of geography will consist of the regular introductory course, Geography 101, the second semester will consist of Geography 105, the Geography of Communications.

The theatre courses in Communications I will deal with such topics as communication through theatrical style, Oriental Theatre and communications through introspection, and a comparison of the stage, film, television and radio as communication media.

The art courses will be similar to Art 101 – 102, Design Fundamentals, though they will stress visual communication and involve a theoretical examination of vision and the effects of vision.

Students must participate in the full program. Enrollment will be limited to thirty. Students completing the program successfully will receive one full year of university credit.





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**University Transfer
Division
Course Descriptions**

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STANDARD COURSE ABBREVIATION

The following abbreviations are used for courses offered at the College in the University Transfer division:

Anthropology	ANTH
Art	ART
Biology	BIO
Business	BUS
Canadian Studies	CAST
Chemistry	CHEM
Classics	CLAS
Economics	ECON
English	ENGL
French	FREN
Geography	GEOG
Geology	GEOL
History	HIST
Humanities Program	HUM
Mathematics	MATH
Music	MUS
Philosophy	PHIL
Physics	PHYS
Political Science	POSC
Psychology	PSYC
Sociology	SOC
Spanish	SPAN
Theatre	THT
Zoology	ZOO

Course Numbering

Each course is identified by a four digit number, for example, ENGL 101-3. The first three digits identify the course, the 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. Students should also check the transfer guide to ensure courses they are taking at CNC satisfy the requirements of the institution to which they wish to transfer.

The letter (F) or (S) after the course title indicates in which semester the course will be offered; (F) Fall, (S) Spring.

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

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

Detailed course descriptions, including instructor, method of evaluation, texts, and the purpose of the course are available at the Student Services office.

- ANTH 101-3 CULTURAL AND SOCIAL ANTHROPOLOGY (F) (S)**
 A comparative study of cultural institutions and cultural behaviour, including such topics as social structure, folklore, language, art, religion, economics, marriage and family, and politics. (3,0)
- ANTH 102-3 PHYSICAL ANTHROPOLOGY AND HUMAN EVOLUTION (F) (S)**
 An introductory survey of physical anthropology and archaeology, including such topics as origins of man and culture, nature of race, and development of culture. (3,0)
- 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 two and three dimensions. (2,6)
- ART 102-3 DESIGN FUNDAMENTALS II (S)**
 This semester complements the Fall offering in that it allows the student to develop fully his personal sense of imagery in either two dimensional or three dimensional scale. The emphasis is on form, developed in conjunction with textile arts and ceramics. Prerequisite: Art 101-3. (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)
- BIO 101-3 INTRODUCTORY BIOLOGY 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: Bio 11 recommended. (3,3)
- BIO 102-3 INTRODUCTORY BIOLOGY II (S)**
 This course examines the properties of atoms and molecules, cellular respiration, photosynthesis, embryonic development, hormones and physiological mechanisms. Prerequisite: Biology 11 recommended. (3,3)
- BIO 103-3 BIOLOGY FOR NON-MAJORS I (F)**
 A survey course in general biology intended for students majoring in the humanities, or social sciences. Emphasis placed on human aspects of anatomy, physiology and genetics. (3,3)

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- BIO 104-3 BIOLOGY FOR NON-MAJORS II (S)
The principles studied in Biology 103-3 are applied to their impact on man. Special emphasis is placed on human genetics, evolution, and ecology.
Prerequisite: Biology 103-3. (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.
Prerequisite: Biology 102-3. (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 102-3. (3,0)
- BUS 101-3 ACCOUNTING (S)
The student is introduced to principles of accounting. (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. (2,2)
- CAST 101-3 CANADIAN STUDIES I (F)
An interdisciplinary course designed to acquaint and involve students with important Canadian issues, themes and problems from the viewpoints of history, geography and literature. Several faculty members will participate, giving lectures and sitting in on panels, discussions and seminars. (3,0)
- CAST 102-3 CANADIAN STUDIES II (S)
A continuation of Canadian Studies I (3,0)
- CHEM 101-3 FUNDAMENTALS OF CHEMISTRY I (F)
Introduction to quantum theory, and its applications to bonding and molecular structure, followed by a quantitative discussion of equilibria and ionic solutions. For students with at least 'C' level standing in Chemistry 12.
Prerequisites: Chemistry 12, Mathematics 12. (3,3)
- CHEM 102-3 FUNDAMENTALS OF CHEMISTRY II (S)
Continuation of Chem 101. Topics include kinetics, electrochemistry and basic thermodynamics, and an introduction to organic chemistry.
Prerequisites: Chemistry 101-3, or Chemistry 103-3 with 'A' or 'B' standing. (3,3)
- CHEM 103-3 INTRODUCTORY CHEMISTRY I (F)
Introduction to chemistry for those with Chem 11 or no chemistry. Topics are stoichiometry, periodic table, quantum theory of bonding, molecular structure and gases and equilibrium calculations. (3,3)

- CHEM 104-3 INTRODUCTION TO CHEMISTRY II (S)**
 Basic thermodynamics and electrochemistry are discussed, followed by organic chemistry for those going on in the life sciences or who do not intend to take more chemistry.
 Prerequisites: Chemistry 101-3 or 103-3. (3,3)
- CHEM 201-3 PHYSICAL INORGANIC CHEMISTRY I (F)**
 A comprehensive discussion of the First, Second and Third Law of Thermodynamics leads to equilibria and equilibrium thermodynamics of solutions. Basic quantum chemical methods are introduced and applied to organic and inorganic molecules.
 Prerequisites: Chemistry 102-3 or Chemistry 104-3. (3,3)
- CHEM 202-3 PHYSICAL INORGANIC CHEMISTRY II (S)**
 An introduction to volumetric analysis and complexometric methods. Basic spectroscopic and electrochemical techniques are discussed and used for endpoint detection in titrations. Kinetics are discussed within the framework of analytical chemistry.
 Prerequisite: Chemistry 201-3. (3,3)
- CHEM 203-3 ORGANIC CHEMISTRY I (F)**
 Basic principles of organic chemistry, including reaction mechanism 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)
- CLAS 101-3 GREEK LITERATURE IN TRANSLATION (F)**
 A study of some of the major works of classical Greek drama, epic 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)
- ECON 101-3 INTRODUCTION TO ECONOMICS (F) (S)**
 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 (F) (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. (3,0)

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- ECON 201-3 PRINCIPLES OF ECONOMICS-MACROECONOMICS (F)
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 (S)
An examination of the concepts "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)
- ENGL 101-3 LITERATURE AND COMPOSITION I (F) (S)
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 (F) (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 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)

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- ENGL 206-3 CREATIVE WRITING II (S)
A continuation of English 205-3.
Prerequisite: Permission of Instructor. (3,0)
- ENGL 207-3 CONTEMPORARY CANADIAN POETRY (S)
A unique course in contemporary Canadian poetry which will feature 8 readings by leading Canadian poets. Students will have the opportunity to hear and meet the poets and study their work in a seminar situation. (3,0)
- FREN 101-3 INTERMEDIATE COLLEGE FRENCH I (F)
Grammar and syntax are systematically 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 construction and syntax are developed in the context of idiomatic French, using an active audiolingual method. Selected readings in French literature form part of the material in this course.
Prerequisite: French 11. (3,2)
- FREN 104-3 INTRODUCTION TO COLLEGE FRENCH II (S)
A continuation of French 103-3.
Prerequisite: French 103-3. (3,2)
- 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)
- GEOG 101-3 INTRODUCTION TO GEOGRAPHY (F)
The course introduces the scope and structure of modern Geography. Organizing concepts and methods are examined with particular emphasis upon the interrelationships existing between the various sub-disciplines, Cultural, Economic, Physical, and Regional Geography. (3,3)

- GEOG 103-3 CANADIAN REGIONS (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 201-3 PHYSICAL GEOGRAPHY I (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 instructor. (3,3)
- GEOG 202-3 PHYSICAL GEOGRAPHY II (S)**
A continuation of Geography 201-3.
Prerequisite: Geography 201-3. (3,3)
- GEOG 203-3 ECONOMIC GEOGRAPHY (S)**
The course analyzes the spatial distribution of economic activities, reference being made to the complex geographic forces affecting Man's economic activities, their characteristics and interrelationships. Primary, Secondary, and Tertiary sub-systems will be analyzed in view of traditional and more recent theories.
Prerequisite: Geography 101-3 or permission of the instructor. (3,0)
- GEOG 205-3 CULTURAL GEOGRAPHY (F)**
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)
- GEOL 101-3 INTRODUCTION TO PHYSICAL GEOLOGY (F)**
Physical aspects of geology: the earth as a planet, origin of the solar system, matter and minerals, description and classification of rocks, weathering and soil formation, earthquakes and the earth's interior, rock deformation and mountain building, mass movement, glaciation, desert, ocean and shoreline processes. Field trips and visits to regional mining operations are scheduled in place of some laboratory periods. (3,2)
- GEOL 102-3 INTRODUCTION TO HISTORICAL GEOLOGY (S)**
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 early history of the earth; the evolution of the continents and continental drift; the origin of man. Mineral resources, resource problems, and environmental problems are discussed.
Prerequisite: Geology 101-3. (3,2)

- GEOL 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 association with natural resource utilization. (2,0)
- GERM 201-3 INTERMEDIATE GERMAN I (F)
Grammar review and an introduction to modern German literature and style analysis proceed in parallel. Students are exposed to authors such as Brecht, Hesse, Kaschnitz, Heym, Rilke.
Prerequisite: German 102-3. (3,1)
- GERM 202-3 INTERMEDIATE GERMAN II (S)
A continuation of German 201-3. In addition to various modern short stories, students read one or two German dramas.
Prerequisite: German 201-3. (3,1)
- HIST 101-3 20TH CENTURY WORLD HISTORY TO 1929 (F)
The history of the twentieth century from the origins of World War One to the Great Depression in 1929. (3,0)
- HIST 102-3 WORLD HISTORY SINCE 1929 (S)
Major emphasis is placed on factors affecting world stability, trade and peace. (3,0)
- HIST 103-3 CANADA, BEGINNINGS to 1867 (F & S)
A survey of Canada's economic, political and social development from its beginnings through periods of exploration, settlement and consequent political growth to 1867. (3,0)
- HIST 104-3 CANADA 1867 TO PRESENT (F) (S)
Regional development and the implications of the basic cultural dualism are reviewed, as is the impact of international forces on the growth of Canada as a nation. (3,0)
- HIST 201-3 19TH CENTURY EUROPEAN THOUGHT (F)
A study of the major political philosophies affecting nineteenth century Europe. This is to be interwoven with a history of the events which gave those ideas their currency.
Prerequisite: History 12 or any college history course. (3,0)
- HIST 202-3 20TH CENTURY EUROPEAN THOUGHT (S)
A study of the major European developments of the century together with political and philosophical thought which reflected those developments.
Prerequisite: History 12 or equivalent. (3,0)
- HIST 203-3 U.S. HISTORY TO 1865 (F)
The history of the United States from Colonial times to 1865 with special emphasis on those events and personalities which have resulted in the unique Republic of today. (3,0)

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- HIST 204-3 U.S. HISTORY 1865 TO PRESENT (S)
 A continuation of History 203-3.
 Prerequisite: History 203-3. (3,0)
- HUM 1-18 HUMANITIES I (F) (S)
 A non-disciplinary program of liberal education. See page 79 for further information.
 (9,3)
- MATH 101-3 INTRODUCTORY CALCULUS (F)
 An introduction to the concepts, techniques and applications of differential and integral calculus.
 Prerequisite: Math 12. (4,0)
- MATH 102-3 CALCULUS AND LINEAR ALGEBRA (S)
 This course is a continuation of Math 101-3 with an introduction to Linear Algebra. The concepts of area and work will be generalized with the use of integral calculus.
 Prerequisite: Math 101-3. (4,0)
- MATH 103-3 PRINCIPLES OF MATHEMATICS (F) (S)
 An introduction to the fundamentals in determinants, matrices, vectors and systems of linear equations. An intuitive approach to differential and integral calculus, with emphasis on techniques and physical applications, is developed. (3,0)
- MATH 104-3 INTRODUCTION TO STATISTICS (S)
 Descriptive statistics, elementary probability theory, statistical inference and the practical application of these topics are emphasized. (3,0)
- MATH 201-3 ANALYSIS AND CALCULUS (F)
 The concepts of induction, infimum, supremum, limits and continuity are introduced and examined. The techniques are applied to examples in physics, chemistry and economics.
 Prerequisite: Math 102-3. (3,0)
- MATH 202-3 CALCULUS OF SEVERAL VARIABLES (S)
 A continuation of Math 201-3. Fundamental properties of multiple integrals are introduced and applications to area, volume, mass, etc., are given.
 Prerequisite: Math 201-3. (3,0)
- MATH 207-3 PROBABILITY AND STATISTICS I (F)
 An introduction to probability and statistics with applications to business and industrial problems.
 Prerequisite: Mathematics 102-3 or Mathematics 103-3 and 104-3. (3,0)
- MATH 208-3 PROBABILITY AND STATISTICS II (S)
 A continuation of Mathematics 207.
 Prerequisite: Mathematics 207-3. (3,0)

- MUS 101-3 FUNDAMENTALS OF MUSIC I (F)**
An introduction to the melodic, harmonic, contrapuntal, rhythmic and formal aspects of music, and their correlation. (3,2)
- MUS 102-3 FUNDAMENTALS OF MUSIC II (S)**
A continuation of Music 101-3. Introduction to triads and other harmonic units, simple harmonizations and some composition, ear training and dictation.
Prerequisite: Music 101-3 or equivalent. (3,2)
- PHIL 101-3 MORAL PHILOSOPHY (F) (S)**
The student is introduced to philosophical analysis by investigating the nature of morality. Some topics are: ethical egoism, ethical relativism, utilitarianism, Hedonism, Platonic idealism, pragmatism, emotive theory of ethics, existentialist ethics and questions such as "What do disagreements in ethics mean?" "Can there be any objective basis for moral judgement?" (3,0)
- PHIL 102-3 THEORY OF KNOWLEDGE (F) (S)**
The student develops analytic techniques by investigating whether there is or can be indubitable knowledge. Topics include: rationalism, idealism acquaintance, description, analyticity, tautology, the a priori, necessity, syntheticity, the posteriori, contingency truth, skepticism, Cartesian doubt, verifiability, logical possibility, and questions such as: "How do we know?" "What do we know?" "Can we ever know anything?" (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)
- PHYS 103-3 INTRODUCTORY PHYSICS I (F)**
Mechanics including vectors, statics, kinematics, dynamics, energy, momentum, uniform circular motion, angular motion, SHM, wave motion, sound and fluids, light.
Prerequisites: Mathematics 12 and Physics 12 or permission of the instructor. (3,3)
- PHYS 104-3 INTRODUCTORY PHYSICS II (S)**
A continuation of Physics 103-3. Topics include temperature, heat, simple kinetic theory, gas laws, change of phase, heat transfer and introductory thermodynamics; electric charge, potential circuits; magnetism; introductory relativity; atomic physics; nuclear reactions and radioactivity.
Prerequisite: Physics 103-3 or (with permission of the instructor) Physics 105-3. (3,3)
- PHYS 105-3 GENERAL PHYSICS I (F)**
Similar to Physics 103-3 but with more emphasis on applications.
Prerequisite: Mathematics 11 or permission of instructor. (3,3)

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- PHYS 106-3 GENERAL PHYSICS II (S)
A continuation of Physics 105-3. Similar in content to Physics 104-3 but with more emphasis on applications.
Prerequisite: Physics 105-3 or Physics 103-3. (3,3)
- PHYS 201-3 THERMODYNAMICS (F)
The topics studied include temperature and temperature effects, heat, specific heats, heat conduction, work, the first law of thermodynamics, the kinetic theory of gases, cyclic processes, the second law of thermodynamics, entropy and disorder.
Prerequisite: Physics 104-3. (3,0)
- PHYS 202-3 ELECTRICITY (S)
The topics studied are electrical units, Kirchhoff's rules for resistive circuits, equivalent circuits, alternating current and power factors, resistors, capacitors, and inductors in transient and alternating current circuits.
Prerequisite: Physics 201-3. (3,0)
- PHYS 203-3 GENERAL LAB (S)
A series of experiments designed to demonstrate concepts of mechanical, electrical, thermal and modern physics. Experiments include the use and design of meters, L.C.R. circuits, temperature measurement, and the determination of a radioactive half-life. One experiment is designed by the student.
Prerequisite: Physics 201-3. (0,6)
- POSC 101-3 GOVERNMENT OF CANADA (F)
An examination of the institutions and processes of Canadian Government. (3,0)
- POSC 102-3 19TH CENTURY EUROPEAN THOUGHT (S)
A study of the major political philosophies affecting 19th Century Europe. This is to be interwoven with a history of the events which gave those ideas their currency. (3,0)
- 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 101-3. Topics include thinking, language, intelligence, and intelligence 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 201-3 EXPERIMENTAL PSYCHOLOGY I (F)
This course introduces experimental methods and designs as applied to research in psychology on living organisms.
It focuses on sensation, perception, learning, and motivation using research in these to illustrate current developments and techniques.
Prerequisites: Psychology 101-3 and 102-3. (3,3)

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- PSYC 202-3 EXPERIMENTAL PSYCHOLOGY II (S)
A continuation of Psychology 201-3.
Prerequisite: Psychology 201-3. (3,3)
- PSYC 203-3 DYNAMICS OF BEHAVIOR 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 the course and pertinent research is discussed.
Prerequisites: Psychology 101-3 and 102-3. (3,0)
- PSYC 204-3 DYNAMICS OF BEHAVIOR 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)
- SOC 101-3 INTRODUCTION TO SOCIOLOGY I (F)
Introduction to selected fields of sociology. Definitions and uses of sociological terms. The study of social groups and institutions, in particular the family, the kin group, the tribe, the village, the neighborhood, the workgroup, the ethnic and religious community. (3,0)
- SOC 102-3 INTRODUCTION TO SOCIOLOGY II (S)
A survey of major fields of sociology (continued). The emergence of large-scale society; historical sociology, regional, national, and multinational sociological studies (stratification, politics and voting, racial and ethnic relations). Sociological treatments of the individual, and the examination of research approaches and research methods.
Prerequisite: Sociology 101-3. (3,0)
- 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. (3,3)
- SPAN 102-3 INTRODUCTORY SPANISH II (S)
A continuation of Spanish 101-3.
Prerequisite: Spanish 101-3. (3,3)
- THT 101-3 INTRODUCTION TO THEATRE I (F)
An introduction to three historical styles (classical, medieval, and renaissance) and the fundamentals of theatrical criticism. Recommended for prospective teachers. (3,2)
- THT 102-3 INTRODUCTION TO THEATRE II (S)
Modern theatre from the restoration period to the present time, the fundamentals of media studies and the study of representative plays.
Prerequisite: Theatre 101-3. (3,2)

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- THT 121-3 INTRODUCTION TO ACTING I (F)**
The student concentrates on theory, speech and movement in preparation for second semester acting assignments. Recommended for prospective teachers. (2,3)
- THT 122-3 INTRODUCTION TO ACTING II (S)**
A major production is performed. All students participate at the level of their competence.
Prerequisite: Theatre 121-3. (1,5)
- THT 231-3 CINEMATOGRAPHY I (F)**
A brief survey of film history together with an analysis of representative films provide a review of fundamentals of film technique and film forms. (3,2)
- THT 232-3 CINEMATOGRAPHY II (S)**
Primarily a lab course following the theoretical background introduced in Theatre 231, emphasis will be placed on the principles and practical techniques of film editing. Lab projects will include practice in film composition, cutting, sound and animation.
Prerequisite: Theatre 231-3. (1,3)
- THT 241-3 STAGE PRODUCTION (F)**
Stage-craft and scenery construction, lighting fundamentals, costumes and makeup, stage crew and management, basic stage and lighting design. (1,4)
- 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)





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Vocational Division

Admission

In general, an applicant for admission to a program in the vocational division must:

- a) be 16 years of age (some programs have a higher minimum age)
- b) have completed at least grade 10 or the equivalent, or for certain courses, must have completed grade 12 or equivalent, or be over 19 years of age 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 the College program for which they are applying
- c) possess an interest in and aptitude for the vocation

Students should note that employers tend to give preference when hiring to applicants with grade 12 graduation.

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 *at least* two weeks before the beginning of the program to which admission is sought.

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 programs offered in the Vocational Division. 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.

Fees*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. These programs are financed by the B.C. Department of Labour.

Welding Upgrade:

Testing materials and two days training	\$12.00
Test fee	3.00
Additional training: per day	3.00
per week	12.00
per month	40.00
<i>Textbook Rental</i> (where applicable)	10.00
<i>Tool Deposit</i> (where applicable)	10.00
<i>Student Activity Fee</i> , per month	2.00 *

Room and Board: Average costs in Prince George are between \$85 and \$100 per month. The College does not operate any residences.

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.

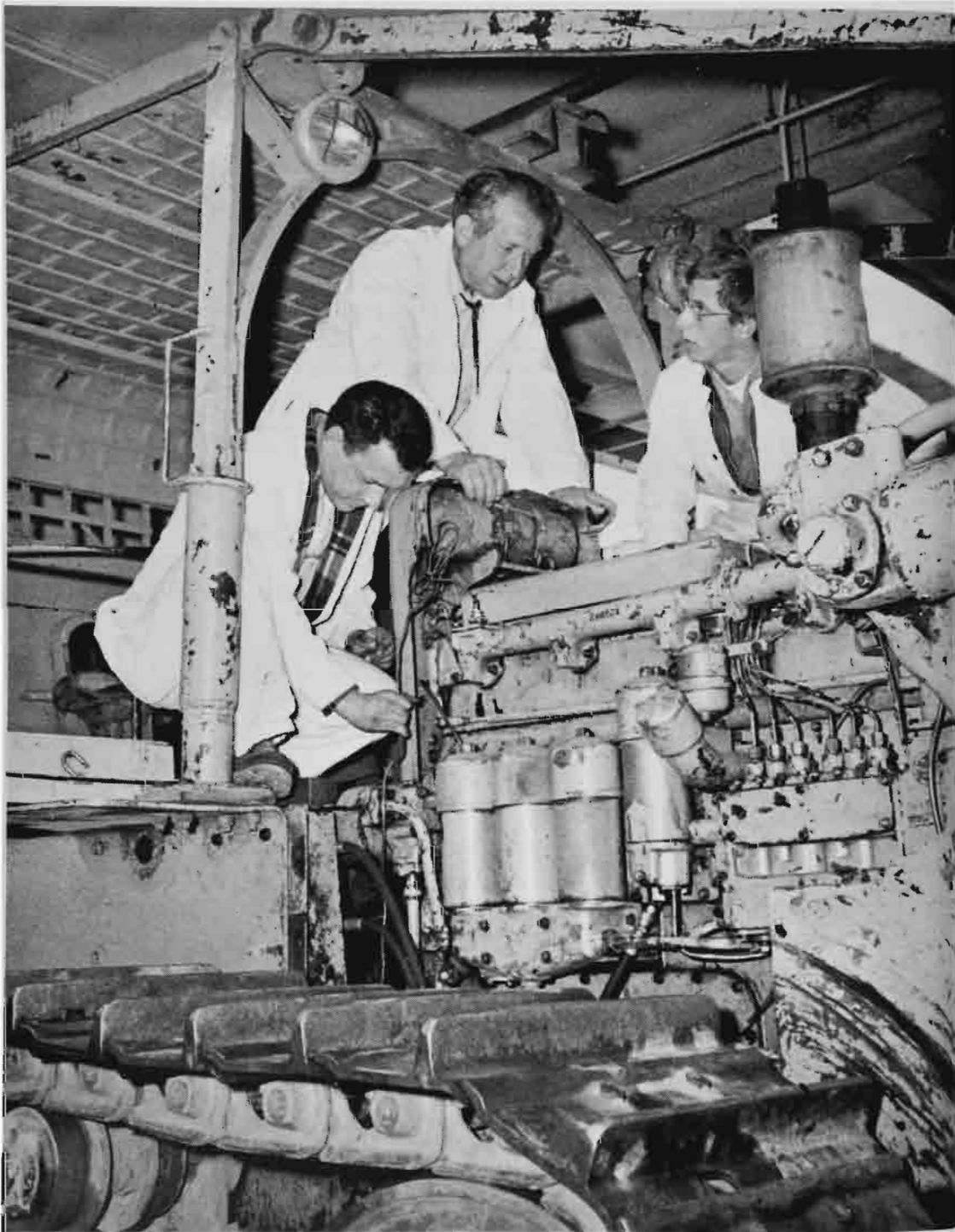
College Certificate — A C.N.C. certificate is awarded to students who satisfactorily complete a College Vocational program of at least 16 weeks, provided they complete the program to the satisfaction of the Chairman of the Vocational Division.

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 will not be released until the student has completed the withdrawal form.

* Subject to revision.





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**Vocational Division
Programs
and Courses**

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 men 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 fluid cooled
- Basic test equipment
- Electrical systems
- Running gear, clutches
- Transmissions, anti-spin and conventional rear axles
- Steering systems and braking systems
- Applied mathematics
- Safety education

Starting Dates:

- August
- January

Length of Course:

- 5½ months

College Credit:

- 22 Semester hours

Educational Requirements for Admission:

- Grade 12 preferred
- Grade 10 minimum

General Requirements for Admission:

- 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 vocational division programs.

There are three main areas of study:

Communicative English, Applied Mathematics and Basic Science.

The program offers training to three levels:

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

Requirements for Admission

Education There is no prescribed minimum educational prerequisite.

General Applicants, for enrolment in this program, must have been away from the public school system for a period of at least one year. They must be 17 years of age or over and willing to put forth great effort to acquire a suitable standing in Mathematics, Science and English.

- COMMENCEMENT DATES:** — Monthly as space permits
- LENGTH OF COURSE:** — Varies to suit individual needs
- COLLEGE CREDIT:** — This program carries no credit towards a College diploma.

COMMERCIAL ADVANCED OPTIONS AND UPGRADING

This program consists of a variety of individual courses designed for persons who have had previous training or experience in general office work, and wish to upgrade their knowledge and occupational skills.

Students may select two or more from the following: machine transcription, advanced typing, advanced shorthand, industrial payroll, legal secretarial practice, medical secretarial practice and key punch operating. Official typing and shorthand tests will be given so that students may attain certification in these areas.

This program runs continuously, and applicants are accepted monthly as vacancies occur.

REQUIREMENTS FOR ADMISSION:

Education Grade 12 graduation or completion of the 5 month Commercial General program, or equivalent experience.

General Applicants must have a mature outlook and a pleasant personality.

- COMMENCEMENT DATE:** — Monthly as space permits
- LENGTH OF COURSE:** — Up to 5 months (predetermined by assessment of individual needs)
- COLLEGE CREDIT:** — 4 Semester hours for each full month of training.

COMMERCIAL-BOOKKEEPING AND ACCOUNTING

The Commercial Bookkeeping and Accounting Program trains students to record business transactions in a systematic manner, manually and with the aid of business machines.

As well as the fundamental bookkeeping methods a number of subordinate subjects such as business English, business arithmetic, recordkeeping, filing, typewriting and business law are taught. Emphasis is placed on office practice, and the routine adheres to modern methods of bookkeeping employed by business firms in their accounting departments.

As a rule graduates of this program enter the field of employment in a junior capacity and gradually progress to intermediate and senior positions through initiative, on-the-job experience and further training. Successful completion of this program may carry credit towards the first year of the R.I.A. program.

REQUIREMENTS FOR ADMISSION:

Education Grade 12 graduation.
General Applicants must have a mature outlook, and a pleasant personality.
A facility with figures is essential.

COMMENCEMENT DATES: — September
LENGTH OF COURSE: — 10 months
COLLEGE CREDIT: — 38 Semester hours

COMMERCIAL GENERAL

This course offers the student the possibility of two areas of training .. clerk typist and clerk-stenographer.

Individual students will be counselled into the most appropriate area for their particular abilities and aptitudes after enrolment in the course.

A student training as a clerk-typist will take business machines and recordkeeping, in addition, a student training as a clerk-stenographer will take shorthand.

Many employment opportunities exist in the business world for clerical workers, and it is relatively easy for those with adequate education and training to find a position.

REQUIREMENTS FOR ADMISSION:

Education..... The minimum educational requirement for this course is completion of Grade 10. It would be to the applicant's advantage, both on course and in securing employment to have completed Grade 12.
General Applicants should have a mature outlook and a pleasant personality.

COMMENCEMENT DATES: — September and March
LENGTH OF COURSE: — 5 Months
COLLEGE CREDIT: — 19 Semester hours

COMMERCIAL SECRETARIAL

Secretaries have many varied duties to perform during the course of a working day, such as answering the phone, making business appointments for the employer, taking dictation and typing the transcriptions, keeping records, personally answering routine mail and performing receptionist duties.

The content of this course is designed to give the student experience in the above areas, and includes business English, office etiquette, typing, recordkeeping, shorthand and transcription, plus the operation of various business machines.

Much of the work performed by a secretary is confidential, therefore the person who follows this vocation must have the personal attributes of discretion, loyalty and responsibility. She must be pleasant in manner, and exemplify efficiency all matters relative to her position.

REQUIREMENT FOR ADMISSION:

Education..... Grade 12 graduation. Preference is given to those who have graduated from the Commercial Program with Secretarial Specialty.

COMMENCEMENT DATES:	— September
LENGTH OF COURSE:	— 10 Months
COLLEGE CREDIT:	— 38 Semester hours



DENTAL ASSISTANT

A dental office assistant performs a combination of duties — those of a secretary, a receptionist and a chairside assistant. She arranges doctor-patient appointments; keeps the reception room and dental office in meticulous order and assists the dentist with his patients.

Students are taught technical procedures on the use of equipment and instruments; anesthetics and anesthesia procedures; anatomy and physiology; first aid, and X-ray techniques. Other subjects studied include pharmacology, bacteriology, pathology and nutrition.

In the outer office the assistant is expected to keep records and accounts, answer correspondence and check appointments. In short, she attends to all the office routine. Some patients enter the dental office with a feeling of apprehension and it is the assistant's duty to dispel this latent fear and project confidence, therefore despite any personal frustrations the assistant may encounter, she must train herself to maintain her composure and pleasant manner at all times.

Employment opportunities may be found in dental clinics or with dentists in private practice.

REQUIREMENT FOR ADMISSION:

Education Grade 12 graduation.

General All applicants are required to present a Health Certificate and proof of a recent Chest X-ray.

COMMENCEMENT DATES: — September

LENGTH OF COURSE: — 10 Months

COLLEGE CREDIT: — 38 Semester hours

DRESS: — Uniforms are supplied and laundered during training.





GENERAL DRAFTING

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

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 eyesight and hand-eye coordination, an analytical mind, creative ability, and patience to give undivided attention to detail.

- COMMENCEMENT DATES:** — September
- LENGTH OF COURSE:** — 10 Months
- COLLEGE CREDIT:** — 38 Semester hours

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

- September — last week
- April — first week

LENGTH OF COURSE: — 6 months

COLLEGE CREDIT — 22 Semester hours

Educational Requirements for Admission:

- Grade 12 preferred
- Grade 10 minimum

General Requirements for Admission:

- Good Health
- Non allergic to solvents and lubricants
- Mechanical aptitude
- 16 years of age and over

HEAVY EQUIPMENT OPERATOR

The potential need for trained operators of heavy equipment has been established through a vast development program of British Columbia's natural resources, and a program of redevelopment of urban areas.

Students learn to operate bulldozers and various other machines including — dump trucks, graders, loaders, scrapers, shovels, etc. 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, air-brakes, and driving. This enables a student to secure a British Columbia Air Ticket and a Class 2 Licence.

Requirements for Admission:

- Education This course requires no special educational standing as a pre-requisite. It would be to the applicant's advantage, both on course and in securing employment, to have completed Grade 10.
- General Applicants must be a minimum of 21 years of age, physically suitable and able to adapt to rugged working conditions. Persons with some previous industrial experience are preferred.

- COMMENCEMENT DATES:** — Variable — contact the Student Services Office for specific dates.
- LENGTH OF COURSE:** — 16 weeks
- COLLEGE CREDIT:** — 15 Semester hours
- DRESS:** — The student must supply — hard hat, waterproof clothing, heavy work boots (safety toed) and leather gloves.



PRACTICAL NURSING

This program is designed to train women to provide nursing care to patients in hospitals, institutions or homes, under the supervision of registered nurses or physicians.

Students attend classes at the College for four months and are then placed in local hospitals for "on-the-job" training. The College provides theory, demonstration, and supervised practice and laboratory instruction, while the hospital provides clinical training under supervision in various nursing-care situations such as medical-surgical, geriatrics, pediatrics and obstetrics.

Students are given instruction in the physiological and the psychological growth and development of the individual in health and in disease. A thorough knowledge of the duties of the practical nurse is given, and special emphasis is placed on the development of the personal attitudes and skills needed for this responsible and rewarding vocation.

Requirements for Admission:

Education Grade 12 graduation (note also general admission requirements for mature students, page 96).

General..... Applicants must be at least 18 years of age, possess a sincere desire to nurse and have the personal qualities suited to the work of a practical nurse.

Successful applicants must have their medical examination and the required immunization shots completed before commencing this program.

APPLICATION:

Because of the high interest and large number of applicants for this program it is necessary to screen applicants to select each class. Application forms must be submitted to the College at least two months prior to the commencement of classes. These applications are reviewed and a selected number of applicants are invited to meet the selection committee. From the applicants interviewed by the committee a class is selected.

COMMENCEMENT DATES: — March, July, November

LENGTH OF COURSE: — 12 months

COLLEGE CREDIT: — 45 Semester hours

Stipend:

A stipend of \$22.00 per week is paid to students during the eight month hospital training period, and no tuition fee is charged.

Dress:

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

SMALL ENGINE REPAIR

This program teaches the mechanical knowledge required, and the techniques employed, to repair small internal combustion engines which are used to power small 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. On completion of this program a student 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 some logging companies who employ power saw mechanics on location.

REQUIREMENTS FOR ADMISSION:

Education Grade 12 graduation on the Industrial Program with Mechanics specialty preferred. Grade 10 minimum.

COMMENCEMENT DATES:

— September, January

LENGTH OF COURSE:

— 5 months

COLLEGE CREDIT:

— 19 Semester hours

DRESS:

— Coveralls are supplied and laundered during training.



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. On completion of the course a student 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 on the Industrial program preferred. Grade 10 minimum.
- General Applicants must be free from defective vision, hearing, respiratory ailments, and be physically suited to the trade.
All applicants for this course are required to present a Health Certificate, and show proof of a recent Chest X-ray.

- COMMENCEMENT DATES:** — September
- LENGTH OF COURSE:** — 10 months
- COLLEGE CREDIT:** — 38 Semester hours
- DRESS:** — The student must supply — helmet, goggles, gloves and welder's jacket (approximately \$50).

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	Submerged Arc
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, in accordance with the Welding Inspector's recommendation.

DRESS:

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





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**General Studies
Program**

GENERAL STUDIES

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 three divisions if they so wish.

Some students may wish to select a combination of Career 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 division program by enrolling in courses in either of the other two divisions offered at convenient times with a view to completing a College diploma through evening classes once they have completed the Vocational division program.

Each course in the University Transfer and Career division is assigned a specific number of semester hours of credit, and each program in the Vocational division 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 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.

All courses numbered 100 – 149 and 200 – 249 are University Transfer Division Courses. All courses numbered 150 – 199 and 250 – 299 are Career Division courses and are not transferable to a University. Vocational division programs carry a specified number of College semester hours of credit upon completion (see individual programs pages 99 to 111).

Required Courses;

Data Processing Fundamentals	EDP 151-3
Business Organization	BUS 103-3 or 153-3
Accounting I	BUS 101-3 or 151-3
Canadian Financial Management I	BUS 257-3
Canadian Financial Management II	BUS 258-3

Students are also recommended to include the following courses in their program

Business 255-3, Economics 101-3 and 102-3
English 101-3 or 102-3 or 103-3 or 151-3

Students interested in the more theoretical and quantitative aspects of business should also include Economics 201-3 and 202-3 and Math 207-3. Students interested in human behaviour should select courses in psychology.

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.

REQUIRED COURSES:

- EITHER** – Completion of the Commercial Secretarial program
- OR** – Completion of the Commercial Bookkeeping and Accounting program
- OR** – Completion of the Commercial General program **and** completion of 12 semester hours of credit in the Commercial Advanced Options program
- OR** – Completion of 12 semester hours of credit in the Commercial Advanced Options program and 18 semester hours of credit from a Business, E.D.P., or Economics course.

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
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.

All courses numbered 100 – 149 and 200 – 249 are University Transfer division courses. All courses numbered 150 – 199 and 250 – 299 are Career division courses and are not transferable to a university.

Vocational division programs carry a specified number of College semester hours of credit upon completion (see individual programs pages 99 to 111).

REQUIRED COURSES:

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

GENERAL STUDIES DIPLOMA**Forestry Option****REQUIREMENTS FOR THE DIPLOMA:**

1. Completion of the required courses.
2. Completion of at least 12 semester hours of credit in other Forestry courses.
3. Completion of electives to total 60 semester hours of credit including the above requirements.

All courses numbered 100 – 149 and 200 – 249 are University transfer division courses. All courses numbered 150 – 199 and 250 – 299 are Career division courses and are not transferable to a university.

Vocational division programs carry a specified number of College semester hours of credit upon completion (see individual programs pages 99 to 111).

Required Courses:

Forest Science I	FOR 151-3
Forest Science II	FOR 152-3
Fire Control I	FOR 165-3
Fire Control II	FOR 166-3
Forest Pathology	FOR 255-3
Scaling	FOR 262-3

Students are also recommended to include the following courses in their program:

FOR 251-3, FOR 252-3, FOR 253-3, FOR 254-3

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 10 month Dental Assistant program
- OR** – Completion of the 12 month Practical Nursing program.

GENERAL STUDIES DIPLOMA
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.





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Faculty

FACULTY JANUARY 1972

L. Anderson	(part-time)		General Welding
L. Backman	(Mrs.)		Dental Assistant
M. Baehr	(Miss)		Commercial General
P.G. Bauslaugh		B.Sc., Ph.D.	Chairman of University Transfer Division
D.C. Bennett	(part-time)		Heavy Duty Mechanics
J. Benson		B.A., C.A.	Accounting
P.A. Blanchard	(Mrs.)	R.N.	Practical Nursing
W. Blits			Small Engine Repair
E. Brownlee	(part-time)	C.A.	Cost Accounting
G. Capan		A.A.	Drafting General
M. Chiba	(Miss)	R.N.	Practical Nursing
C. Cook		B.A.	English
P. Coutts	(Mrs.)	B. Ed.	B.T.S.D. Upgrading
J.P. Crow		B.Sc., Ph.D.	Chemistry
D. Davis	(part-time)		Hunting & Fishing Guide Upgrading
K. Dawson			Welding
A.W. Dayle			Chairman of Vocational Division
J. Dean	(part-time)		Carpentry Upgrade — T.Q.
A.T. Deas		B.Sc., M.Sc.	Physics
J. Dumont		B.A., M.A.	History
R.O. Dunsmore		B.S.F.	Forestry
P.H. Durkee		B.B.A., M.A.	Economics
M.M. Fallis	(Miss)	B.A., M.A.	English
E.L. Faulkner		B.Sc., M.Sc., Ph.D.	Physics/Geology
B. Fraser	(part-time)		Trail Cooking
O. Gagne			Heavy Equipment Operating
G.G. Girvan		B.A., M.A.	French
R. Green		B. Com., C.A.	Commercial Bookkeeping
D. Greenberg	(part-time)	B.A.	Early Childhood Education
P. Heide			Heavy Equipment Operating
D. Hopp		B. Sc., M. Sc.	Biology
V.K.H. Hopp	(Mrs.)	B.Sc., M.A.	Early Childhood Education
R. Hudson	(part-time)	B.A.	Anthropology
B.E. Husband		B. Com., B.L.Sc., M.B.A.	Librarian
G.M. Ingalls		B.A.	Philosophy
R.B. Insley		B.Sc., M.Sc.	Mathematics
D.A. James		B.Ed.	Counsellor
C.H. Jarosch		B.S.A.	Biology
W.S. Jickling			B.T.S.D. Upgrading
M.N. Johnson		V.S.A. (dip.), B.Ed., M.A.	Art
J. Johnston		B.Sc., B.A., M.A.	English
A.L. Leveridge		Dip. Tech., C.I.M., C.D.P	Chairman of Careers Division
A. Lombardo		B.A., M.A.	Psychology, Counsellor
J.T. McDonald		B.S., M.A.	Psychology
B.B. McKinnon		B.A., M.A.	English
J.A. McVey		M.A., M.A.	Geography
A. Mackie			Logging
J. Maisonneuve	(Mrs.)	R.N.	Practical Nursing
R. Martin			General Welding
K.C. Murray		B.A., M.A.	Sociology
R.H. Nelson		B.Sc., M.Sc., Ph.D.	Physics/Mathematics

M.M. Nicholas	(Miss)(part-time)	B.Sc.	B.T.S.D. Upgrading
D.A. Owen		B.A., M.A.	History
N. Paulson	(part-time)		Carpentry Upgrade – Practical
G.J. Powers			Automotive Mechanics
K. Raminsh		A.R.C.T., B.Mus.	Music/German
I. Reaugh			Logging
E. Ritch	(Miss)	B.Sc.	B.T.S.D. Upgrading
P. Robinson		B.Com., M.B.A.	Business Administration
D.O. Rubadeau		B.A., M.Sc., Ph. D.	Psychology
W. Rush		B.Sc.	B.T.S.D. Upgrading
P. Sahlin	(Mrs.)		Secretarial Advanced Options
R.W. Scales		B.A., M.Ed.	Dean of Students & Registrar
B. Schulz	(part-time)	B.A., M.Ed.	German
J.K. Sedgwick		B.A., M.A.	Geography
J. Sketchley	(on leave – I.L.O., 1972)		Heavy Duty Mechanics
F.J. Speckeen		B.A., B.D., Ph.D.	Principal
S. Stefanson			Logging
J. Stephensen	(part-time)		Upgrade Welding
R. Terlesky			B.T.S.D.
T.W. Troughton		B.A.Sc., M.Sc., D.I.C., P.Eng.	Dean of Continuing Education and Community Services
E.L. White		B.A.	Data Processing
R.K. White		B.A., M.A.	Theatre
C. Woolsey	(Miss)		Commercial Secretarial





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