

A Division of the Vancouver Public School System operated by the Board of School Trustees School District No. 39



# **VANCOUVER CITY COLLEGE**

## **King Edward Centre**

**CATALOGUE 1965-1966**

# VANCOUVER CITY COLLEGE

KING EDWARD CENTRE

## CATALOGUE 1965-1966

Main Buildings:  
951 West 12th Avenue  
Vancouver 9, B.C.

Annex:  
557 West 12th Avenue  
Vancouver 9, B.C.



# CONTENTS

Calendar 1965-1966 .....	4
Organization of Vancouver City College .....	5
Administration and Faculty .....	6-8
General Information .....	9-16
The College Term .....	9
Entrance Requirements .....	9
Student Classification .....	10
Registration .....	10
Fees .....	11
Change of Course .....	12
Withdrawals and Dismissals .....	12
Responsibilities of Students .....	12
Scholarships and Bursaries .....	13
Facilities .....	13
Counselling Centre .....	14
Student Association .....	14
Textbooks and Supplies .....	14
Diplomas and Certificates .....	14
Transfer from Vancouver City College .....	16
Unit of Credit .....	16
Programs offered, 1965-1966 .....	17-24
Technical Programs .....	17
General and Academic Programs .....	23
Secondary School Completion Programs .....	24
Course Descriptions .....	25-36
Course Numbering .....	25
Courses offered, 1965-1966 .....	25



## CALENDAR 1965-1966

### FALL TERM

July 5 - September 7	Counselling and Registration
August 30 - September 3	Placement Tests
September 7	Fall Term commences: first day of classes
September 10	Last day for change of courses
October 11	Thanksgiving Day: King Edward Centre closed
November 11	Remembrance Day: King Edward Centre closed
November 22 - Dec. 10	Registration for Spring Term for students already attending King Edward Centre
December 17	Last day of classes and examinations for Fall Term

### SPRING TERM

January 3	Last day of registration for new students
January 3, 4, 5	Registration changes for students whose programs must be revised because of final standing in previous term
January 5	Spring Term commences: first day of classes
January 10	Last day for change of courses
March 21 - April 7	Registration for Summer Term for students already attending King Edward Centre
April 8	Good Friday: King Edward Centre closed
April 11	Easter Monday: King Edward Centre closed
April 22	Last day of classes and examinations for Spring Term

### SUMMER TERM

April 29	Last day of registration for new students
May 2, 3	Registration changes for students whose programs must be revised because of final standing in previous term
May 4	Summer Term commences: first day of classes
May 9	Last day for change of courses
May 23	Victoria Day: King Edward Centre closed
June 13 - June 22	Department of Education Examinations for College Preparatory program students
July 1	Dominion Day: King Edward Centre closed
July 18	Registration commences for Fall Term
August 19	Last day of classes and examinations for Summer Term

## ORGANIZATION OF VANCOUVER CITY COLLEGE

### A COMPREHENSIVE EDUCATIONAL PROGRAM

The establishment of Vancouver City College is a logical step in the development of post-secondary education by the Vancouver School Board. The Vancouver School of Art was established in 1925 to offer full time day instruction in this specialized field. The Vancouver Vocational Institute, which opened in 1949, provides day and evening technical and vocational training. King Edward Senior Matriculation and Continuing Education Centre has since 1962 offered senior matriculation and high school completion for adults on a full time basis, day and evening.

These three institutions have been co-ordinated as an educational complex called Vancouver City College. Their combined facilities are designed to provide a broad variety of post-secondary educational opportunities. This calendar applies to King Edward Centre, Vancouver City College, and covers academic and technical programs.

King Edward Centre is organized on a trimester pattern commencing September, 1965, and continuing in three terms covering twelve months operation. Two four-month terms constitute a year's program. Details of this organization will be found in section headed "College Term".

Vancouver City College is organized and operated by the Board of School Trustees, District 39 (Vancouver).

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*Director, Vancouver City College*  
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# ADMINISTRATION AND FACULTY

## ADMINISTRATION

- J. D. NEWBERRY, B.A., B.Ed. (Brit. Col.), *Principal*  
 A. H. GLENESK, B.A., B.Com., M.Ed. (Brit. Col.), *Vice-Principal, Administration*  
 E. L. HEISLER, B.A., B.Ed. (Brit. Col.), *Vice-Principal, Student Services*  
 L. S. GRANT, B.A., M.A., (Brit. Col.) *Administrative Assistant, Annex*  
 G. A. COULSON, B.A., B.Ed. (Brit. Col.), *Administrative Assistant, Extended Day Program*  
 J. L. MONK, B.A. (Brit. Col.), *Administrative Assistant and Supervisor, Technical-Vocational Program*  
 H. E. PANKRATZ, B.A., B.Ed. (Brit. Col.), *Assistant, Extended Day Program*

## FACULTY\*

- ALLAN, E. A.—B.Sc., M.Sc. (Brit. Col.), *Chemistry*  
 BAGLEY, JOHN—B.A.Sc. (Brit. Col.), *Mathematics*  
 BAILEY, PETER C.—B.A. (Hons.) (Oxon.), *History*  
 BARCLAY, J. H.—B.A. (Brit. Col.), *Chairman, Department of Physical and Life Sciences*  
 BARRETT, MISS M. E.—B.Sc. (London), M.A. (Brit. Col.), *Mathematics*  
 BAYNES, R. A.—B.S.A., M.A. (Brit. Col.), *Zoology*  
 BIDESHI, R. R.—B.Sc. (Brit. Col.), *Biology*  
 BROWN, H. M.—B.A., B.Ed. (Brit. Col.), *Counselling*  
 BROWN, R. D.—B.Com. (Brit. Col.), C.G.A., *Commerce*  
 CHIDDELL, PHILIP—B.A. (Brit. Col.), M.L.S. (Washington State), *Librarian*  
 CONNAUGHTY, G. W.—B.A., B.Ed. (Sask.), M.A. (Calif.), *English*  
 COOK, F. Y.—B.A., M.A. (Brit. Col.), *Physics*  
 CUNNINGHAM, ROBT.—B.Sc. (London), M.A. (Wash.), *Counsellor, Mathematics*  
 DARTNELL, A. L.—B.Com. (Sir Geo. Williams), M.A. (McGill), *Economics, Business Administration*  
 DAY, H. W.—B.A. (Brit. Col.), M.A. (Western Ontario), *Social Sciences*  
 DENNETT, T. T.—B.A., M.Ed. (Brit. Col.), *Chemistry*  
 DUNN, C. W.—B.A. (Brit. Col.), M.Ed. (West. Washington), *Social Sciences*

\* Faculty as at June 23, 1965. Additional appointments are yet to be made and will be listed in the next catalogue.

- FALLIS, MISS M. M.—B.A. (Brit. Col.), M.A. (Toronto), *Chairman, Department of English*  
 FAST, E. G.—B.A., B.Ed. (Sask.), *Mathematics*  
 FAST, L. E.—B.A. (Sask.), M.Ed. (Brit. Col.), *English*  
 FITZPATRICK, D. M.—B.A., B.Ed. (Brit. Col.), *English*  
 FLOE, C.—B.S.A. (Brit. Col.), *Biology*  
 GOPAL-SINGH, R.—B.A. (Brit. Col.) *Zoology*  
 GRANT, H. J.—B.A. (Brit. Col.), *English*  
 HAMILTON, R. T.—B.A.Sc., M.A. (Brit. Col.), *Physics*  
 HANKIN, MRS. B. A.—B.A. (Brit. Col.), *German*  
 HARDS, A. A.—B.A., B.Ed., M.A. (Brit. Col.), *French*  
 HILL-TOUT, J. E.—B.A., B.Ed. (Brit. Col.), *Chairman, Department of Social Sciences*  
 HINDMARCH, G. M.—B.A. (Brit. Col.), *English*  
 HOLETON, W. R.—B.Sc. (Alberta), *Chemistry*  
 HOLLAND, ANTONY—Graduate, London Theatre Studio and Old Vic Company, *Drama*  
 HUNDEN, DAVID J.—B.A. (Brit. Col.), M.A. (Carleton), *Social Sciences*  
 JANZEN, H. P.—B.Sc. (Brit. Col.), *Mathematics*  
 JONES, H. G.—B.A., B.Ed., M.A. (Brit. Col.), *Social Sciences*  
 KABERRY, J. G. S.—B.A. (Hons.) (Durham), M.A. (Minnesota), *Social Sciences*  
 KARAS, GEORGE N.—B.Sc. (Brit. Col.), *Mathematics*  
 KEDDIS, MRS. J.—B.A. (Brit. Col.), *German*  
 KERO, MELVIN—Dip. V.S.A., B.A., M.A., (Brit. Col.), *English*  
 KONESKY, E. W.—B.A., M.Ed. (Brit. Col.), *Mathematics*  
 LAITHWAITE, MRS. E.—B.A. (Alberta), *English*  
 LANGRIDGE, MISS G.—B.A. (Brit. Col.), *French*  
 LATTA, R. F.—B.Sc. (Brit. Col.), *Physics*  
 LIVESSEY, E.—B.A., M.Ed. (Brit. Col.), *Mathematics*  
 MACADAM, J. D.—B.A. (London), B.Ed. (Brit. Col.), *Mathematics*  
 MCDIARMID, MISS M.—B.A. (Brit. Col.), *French*  
 MARSHALL, D. W.—B.A., B.Com. (Brit. Col.), *French*  
 MEIKLE, T. A.—B.A. (Brit. Col.), *English*  
 MITTON, DAVID—B.Sc., (Brit. Col.), *Mathematics*  
 MODI, MRS. MIRA—M.Sc. (Andhra, India), M.S. (Purdue), *Physics*  
 MOORE, MRS. H. G.—B.A. (Hons.), M.A. (Brit. Col.), *Social Sciences*  
 MOORE, J. A.—B.A., M.A. (Brit. Col.), *Chairman, Department of Mathematics*  
 MOORE, MISS S. G.—B.A., B.Ed., M.A. (Brit. Col.), *French*  
 NOEL, J. A. R.—B.Sc. (Montreal), M.Sc. (Brit. Col.), *Mathematics*  
 NORRIS, G. J.—B.A. (Brit. Col.), *English*



OLAFSON, G. A.—B.P.E. (Brit. Col.), *Physical Education*  
 PAIN, MRS. E.—B.A., B.Ed. (Brit. Col.), *French*  
 PALFERY, E. W. H.—B.Sc. (Queensland), M.Ed. (Brit. Col.), *Mathematics*  
 PARKER, J. F.—B.A. (Brit. Col.), M.F.A. (Washington), *English*  
 PETERSON, MRS. A.—B.A., M.Ss. (Brit. Col.), *Biology*  
 PLETCHER, TONY F.—B.Sc., M.Sc. (Brit. Col.), *Biology*  
 POLLOCK, D. B.—B.A., B.Ed. (Brit. Col.), *Mathematics*  
 QUIGLEY, MISS K. M. M.—B.A., M.A. (Dublin), *Social Sciences*  
 REID, J. G.—B.A., M.A. (Brit. Col.), *Social Sciences*  
 ROBERTS, HUGH—B.A., M.A. (Brit. Col.), *Psychology, Counsellor*  
 RYNAK, T.—B.A., B.Ed. (Brit. Col.), *Physics*  
 SCHEFFER, L. H.—B.A. (Brit. Col.), *Social Sciences*  
 SMITH, K. I. M.—B.A., M.A. (Durham), *English*  
 SPEED, R. H.—B.A., M.A. (Brit. Col.), *Psychology, Counsellor*  
 STANDEN, S. D.—B.A. (Brit. Col.), M.A. (Oregon), *Social Sciences*  
 STEINER, K. D.—B.Sc., M.Sc. (Brit. Col.), *Chemistry*  
 STEPHENS, Miss F. E.—B.A. (Sask.), B.Ed. (Brit. Col.), *Counsellor*  
 STUBBS, MRS. E. C.—B.A. (Brit. Col.), *English*  
 SUTHERLAND, G. W.—M.A. (Hons.) (Aberdeen), *Geography*  
 TOLMAN, MRS. N. L.—B.Ed. (Brit. Col.), *English*  
 TURNER, R. B.—B.A. (Brit. Col.), M.Ed. (West. Washington),  
*Social Sciences*  
 VON WITTGENSTEIN, H.—B.A. (Brit. Col.), *German*  
 WALDEN, Miss A. M.—B.A., LL.B., M.A. (Brit. Col.), *Zoology*  
 WHITE, Miss D.—B.A. (Brit. Col.), *English*  
 WHITE, Miss R. L.—B.A. (Brit. Col.), Docteur de l'Université de Paris,  
*Chairman, Department of Modern Languages*  
 WHITELEY, Mrs. Shawne, B.Sc., B.Ed. (Alberta), *Mathematics*  
 WILSON, MRS. E. M.—B.A. (Brit. Col.), A.T.C.L. (London), *Librarian*  
 WINSKILL, Miss A.—B.A., B.Ed., M.Ed. (Brit. Col.), *Counsellor*  
 WINTER, Keith J.—B.A., M.A. (Brit. Col.), *English*  
 WOOD, Mrs. I. M.—B.A., B.Ed. (Brit. Col.), *English*  
 YORK, L. B.—B.A., B.Ed. (Brit. Col.), *Chemistry*  
 YOUNG, A. C.—B.A., B.Ed. (Brit. Col.), *Social Sciences*

## GENERAL INFORMATION

### THE COLLEGE TERM

1. The college term is four months long. Courses offered during each college term are complete courses for which final grades are assigned.
2. There are three college terms during the calendar year:
  - (a) The Fall Term: September to December (incl.)
  - (b) The Spring Term: January to April (incl.)
  - (c) The Summer Term: May to August (incl.)
3. Successful completion of a full program of study approved by college advisers during four terms will fulfill Vancouver City College diploma requirements.
4. Students will be accepted at the beginning of each college term. Courses offered during any given term will be determined by the number of students registering for various courses, the availability of faculty and classroom accommodation.
5. Regular college courses may be taken in day or evening sessions for full credits.
6. The college day extends from 8:30 a.m. to 10:30 p.m.

### ENTRANCE REQUIREMENTS

#### 1. RESIDENCE

##### (a) The General Education Program

All classes between 8:30 and 3:30 p.m. will be open only to those persons who qualify by the School Board definition as residents of the City of Vancouver. Classes scheduled after 3:30 p.m. will be open to any qualified applicants with preference for Vancouver residents if enrolment is limited.

The Board's definition of a resident is as follows:

- i. Any person 21 years of age or over who resides in the City of Vancouver, or
- ii. Any person under 21 years of age whose parents reside in the City of Vancouver, or
- iii. Any person under 21 years of age whose parents are the registered owners of real property in the school district in respect of which real-property taxes during the preceding calendar year amounted to at least seventy-five dollars or
- iv. Any person 19 years of age or over who can establish that he is maintaining a domicile in Vancouver independent and separate from that of his parents.

If non-resident students register in late afternoon or evening classes, an additional non-resident fee of \$5 per course per term will be charged.

##### (b) Special Technical Programs

Classes which are financed as part of the Federal-Provincial Agreement will be open to any student who qualifies by presentation



of a high school graduation certificate or equivalent standing. Preference will be given to Vancouver residents if enrolment is limited.

## 2. ACADEMIC

The basic entrance requirement is graduation from a British Columbia senior secondary school. Entrance standing will also be granted students who meet the following conditions:

- (a) completion of the equivalent of B.C. senior secondary school standing in some other school system.
- (b) completion of a qualifying program prescribed by the college.
- (c) acceptance by special arrangement in view of candidate's particular experience, maturity and background.
- (d) completion of a college entrance examination battery considered acceptable to the college (for mature students only).

## STUDENT CLASSIFICATION

### 1. Regular Student

A regular student is one who meets the entrance requirements for Vancouver City College.

### 2. Probationary Student

A probationary student is one who is deficient in not more than two final courses for high school graduation and whose achievement at the Grade XII level indicates the potential for further education. Such students will be required to take pre-requisite courses in subjects in which they are deficient.

### 3. Preparatory Student

A preparatory student is one who does not meet the admission requirements described above in 1 or 2, and who is 19 years of age or over, and whose scholastic record indicates the likelihood of success in further education. Under exceptional circumstances persons who are under 19 years of age or who have been out of school for at least one year may be admitted to this category. Preparatory students will be required to take such pre-requisite courses as may be deemed necessary. College organization, with its emphasis upon student responsibility, its term arrangement and provision for day or night attendance affords a flexibility well suited to meet the needs of those adults who require pre-requisite courses in order to pursue further education.

### 4. Partial Student

A partial student is one who registers for not more than three college courses. All others will be classified as full students. Partial students will be permitted to register for any course in which they have the required background.

## REGISTRATION

Registration commences July 5, 1965 and concludes at the beginning of the Fall Term, September 7. There will be a similar period of registration prior to the beginning of the Spring Term, January 3, 1965. Students must be

interviewed by a college counsellor before completing registration. Appointments may be made by telephone—RE 8-3191. Counsellors will be in the Counselling Centre weekdays 9 a.m. until 4 p.m., during July and August. From August 16 to September 3, counsellors will also be on duty during the evenings to assist students with their college plans. Students must bring records of school marks and other relevant documents. Upon registering students will receive schedules of classes and will complete their own timetables.

## RE-REGISTRATION

Students who are attending King Edward Centre and wish to register for the next term will do so during the third month of the current term. The college calendar lists the dates for students' re-registration.

## FEES

1. Fees which are paid by cheque or money order should be made out to King Edward Centre, Vancouver City College.
  - (a) Registration is not complete until term fees have been paid.
  - (b) The last day for payment of fees for the Fall Term is September 7, 1965, for the Spring Term, January 3, 1966, and for the Summer Term, May 4, 1966.
  - (c) If permission is granted for a student to register **after** the last day for payment of fees, a late fee of \$10 will be charged.
  - (d) A student association fee is levied on all students attending City College. For students enrolled in three or more courses per term the fee is \$2.50. For students enrolled in one or two courses the fee is \$1.
  - (e) Fees are not transferable from one term to another.

## FEE EXEMPTIONS

Students under 19 years of age as of September 1, 1965 are exempt from college fees for those courses which they require to complete for secondary school graduation. These students will pay fees for additional courses in which they enrol.

## FEE REFUNDS

1. If a student withdraws from the college before the opening of the term, the college fees will be refunded less a \$10 registration fee.
2. If a student withdraws from the college after six weeks of the college term have elapsed there is no refund of fees.
3. If a student withdraws from the college during the period between commencement of the term and six weeks after this date, college fees will be refunded according to a prorated schedule. Refunds will be based on the date the student officially notifies the Vice-Principal, Student Services, of his withdrawal from the college. The student association fee will not be refunded.



## SCHEDULE OF FEES

<b>First and Second Terms</b>	\$20 per course to a maximum of \$100 per term.
<b>Third and Fourth Terms</b>	\$25 per course to a maximum of \$125 per term.
<b>Secondary School Completion Courses</b>	\$20 per course to a maximum of \$100 per term.
<b>Technical Programs</b> (these programs qualify for Federal Government Grants)	\$20 per course to a maximum of \$75 per term.
<b>Non-resident Fee</b> charged to students who are not city residents but who may enrol in any course or program from 3:30 to 10:30 p.m. upon payment of an additional fee.	Regular course fee plus an additional \$5 per course.

### NOTES:

- \* A regular college program will consist of 5 or 6 courses per term.
- \* A regular college year consists of 2 college terms.
- \* Tuition fees for a regular college student will be:
 

First Two Terms (Non-Technical)	- - - -	\$200
Third and Fourth Terms (Non-Technical)	- - - -	\$250
Technical Programs per year	- - - -	\$150

## CHANGE OF COURSE

A student must make his request at the Counselling Centre. There is a change of course procedure for the student to follow so all instructors concerned will be officially notified. No course changes may be initiated after the fourth day of the commencement of the term.

## WITHDRAWALS AND DISMISSALS

A student who plans to withdraw from the College must report to the Counselling Centre and follow the withdrawal procedures outlined to him there. Failure to follow these procedures will result in an unsatisfactory report of attendance and standing being recorded by the College.

If a student is enrolled in any College Preparatory course involving the use of the Textbook Rental Plan, the student must return the rented texts, or if lost, pay a sum of money equal to their value before official withdrawal is complete. Rental textbooks are the property of the Provincial Government and failure by the student to return such texts or pay an equivalent sum of money may result in legal action being taken against him.

## RESPONSIBILITIES OF STUDENTS

### 1. ATTENDANCE

Regular attendance is required of students in all classes, lectures, laboratories, workshops and seminars. Irregular attendance may result

in a student being excluded from classes. The final standing for each course will be based on class assignments and examinations during the term. Therefore, students who absent themselves from class or neglect their college work and assignments may be refused credit for the course, irrespective of the mark made in the term examination.

Students who are unavoidably absent because of illness or some other cause must report to their instructors on their return to classes. If repeated absences are due to illness, the student may be requested to submit a medical certificate.

If a student is absent from an examination about which due notice has been given, he must provide a satisfactory reason for absence to the Vice-Principal, Student Services, upon returning to the college.

### 2. TO THEIR STUDIES

It is the responsibility of students to keep their work up to date and to complete assignments as required. Final grades for courses are based upon classwork, laboratory assignments, and other term work as well as examination results.

### 3. TO THE FACULTY

All faculty members are available for consultation with students either during posted office hours or by arrangement. Most courses include seminar sessions or workshops and tutorials which provide opportunities for faculty and students to work in small groups.

Students should take advantage of these small group learning situations, tutorials and faculty consultations to work closely with members of the faculty and enrich their college learning experience.

## SCHOLARSHIPS AND BURSARIES

Students attending Vancouver City College will be eligible for scholarships and bursaries awarded by the Government of British Columbia. Details regarding the procedure for awarding scholarships and loans will be made available later. Students interested in these and other awards should enquire at the Counselling Centre.

## FACILITIES

King Edward Centre, Vancouver City College, is located in buildings at 12th Avenue and Oak Street and an Annex at 12th Avenue and Ash Street.

The library is located on the third floor of the main building. It contains approximately 10,000 books and a selection of over 130 periodical titles. It is open Mondays to Fridays from 8 a.m. to 10 p.m. and on Saturday mornings. Students are urged to familiarize themselves with the reference and study materials in the library. Study areas are available in the main building and in areas adjacent to the student lounge.

Two language laboratories located adjacent to the library are available for instruction and study in modern languages. These laboratories are also used by English and Social Science students.

A cafeteria is operated on the lower floor of the gymnasium building. The student lounge and bookstore are located adjacent to the cafeteria.



Full gymnasium facilities are provided for Physical Education, games and other activities. An outdoor area adjacent to the student centre is available for student recreation.

A student parking lot is operated on the main campus. The rate is 25c per car for eight hours. No parking is permitted on the Annex Campus. A special parking rate is charged for motorcycles.

### COUNSELLING CENTRE

A counselling service is available to all students in the Counselling Centre. Every student is required to make use of this service when registering; however, the final responsibility regarding course selection rests with the student. Students are encouraged to take advantage of this service for assistance in academic, vocational and personal problems.

The Counselling Centre provides information about scholarships, bursaries and loans. The National Employment Service maintains an office in the Counselling Centre.

Testing for admission requirements and placement is conducted by the Centre.

All withdrawals and course changes must be cleared through the Counselling Centre.

### STUDENT ASSOCIATION

A student association fee has been set to provide funds for student government, college clubs, publications and other activities. A student association will be organized from the student body early in September. As a new institution, Vancouver City College needs the involvement of every student in the Student Association and its activities.

### TEXTBOOKS AND SUPPLIES

Book lists for college courses are available at the Counselling Centre and the college bookstore. All textbooks and supplementary books may be purchased at the college bookstore located adjacent to the student lounge. The bookstore also carries stationery supplies and certain equipment for science, mathematics and physical education.

Textbooks for Secondary School Completion courses may be obtained on the Department of Education rental plan on payment of \$5. The student carrying one such course might find it advantageous to purchase secondary school texts rather than subscribe to the rental plan. For all other courses students will purchase their own texts.

Special books and materials may be ordered through the bookstore.

### DIPLOMAS AND CERTIFICATES

Vancouver City College offers short courses, workshops and seminars to meet requirements of special groups in the community. However, most full-time programs at City College consist of two or four terms. Recognition of successful completion of college study will be given in three ways:

#### 1. COLLEGE CERTIFICATE

Students who complete requirements for a **two-term** technical program will receive a certificate showing the course work completed and standing granted. Programs for which certificates are given are listed on page 17. Additional work in the third and fourth terms may lead to a college diploma.

#### 2. STATEMENT OF MARKS

Students who complete one or more terms at the college in a non-technical program will be given a Statement of Marks showing course work completed and the grades assigned.

#### 3. COLLEGE DIPLOMA

Students who complete a **four-term** program with a minimum of 60 term hours of college work on an approved program will receive the college diploma. At least 30 term hours must be earned at Vancouver City College.

### DIPLOMA REQUIREMENTS

Diploma requirements permit a high degree of flexibility in program selection to provide for individual student needs. These requirements include completion of a core program and a major field of study.

#### 1. CORE SUBJECTS (at least 7 courses)

##### (a) Communication Skills

3 courses from among those offered in the Department of English;  
2 of the 3 courses must be in sequence

##### (b) Social Science

Any 2 courses from among those offered by the Department of Social Sciences

##### (c) Mathematics and/or Science

Any 2 courses from among those offered by the Department of Mathematics and/or Science

#### 2. MAJOR FIELD OF STUDY (at least 8 courses)

Every four-term program is related to job preparation or to more advanced study. Each program requires a group of at least 8 courses that provides a concentration of study in a particular field such as accounting or science. The major fields in the Technical Programs are listed under that heading. The major fields in non-technical programs are: English and Social Sciences, Life and Physical Sciences, Mathematics and Science, Modern Languages, Pre-Technical Studies, Social Sciences.

#### 3. ELECTIVES

Students may select courses to complete their programs from among those in which they are eligible to enrol. These may be related to their major field of study or may provide background in some field of particular interest to the student.

Although the college operates on a trimester plan with the possibility of students completing the requirements for the college graduation diploma in



either December, April, or August, plans are being formulated to hold one graduation ceremony in the calendar year for the purpose of awarding college graduation diplomas. The graduation ceremony will be held in May following completion of the Spring Term.

## **TRANSFER FROM VANCOUVER CITY COLLEGE**

### **SIMON FRASER UNIVERSITY**

Simon Fraser University will welcome students transferring from the Vancouver City College after one, two, three, or four terms, provided that they can produce satisfactory evidence that they are likely to succeed in the studies they propose, and provided that they are recommended by the College.

Students should seek the advice of the counsellors at Vancouver City College to ensure that they take courses which will prepare them for work at the University, and to ensure that they receive the maximum amount of credit or standing on transferring.

### **UNIVERSITY OF BRITISH COLUMBIA**

Students who in the past would have sought admission following Grade 13 may now seek admission following two terms of study at Vancouver City College and will be considered on standing shown on transcripts of records issued by the College. A student who chooses courses at the College that are appropriate to his academic objective at University and who obtains adequate standing in them will be accepted for further studies at the University of British Columbia under the same conditions that apply to a student who has taken all his post-secondary studies at the University.

The situation is similar for students transferring to the University following four terms at the College.

### **OTHER INSTITUTIONS**

Students who anticipate a transfer from Vancouver City College to some other institution should consult the Registrar of the institution. Students should first discuss their plans with a college counsellor.

### **UNIT OF CREDIT**

The unit of credit is the term hour. This represents one hour of class credit per week for one term. A college course usually consists of three term hours for credit purposes although the actual number of class hours may be greater because most courses require laboratory sessions, field work, and tutorial or seminar periods.

A normal college program will consist of a minimum of five courses per term and a maximum of six courses per term.

## **PROGRAMS OFFERED 1965-1966**

A college course normally consists of three or more hours of classwork per week in one subject area for a four-month period.

A college program consists of a planned selection of courses which together provide purposeful study towards some definite educational or occupational goal.

### **TECHNICAL PROGRAMS**

Programs in technical fields lead to careers in business, industry and community services. These programs have been developed with the co-operation of advisory committees. Because of their specialized nature, technical programs allow students to enrol in a limited number of electives only. Courses which make up these programs are outlined on pages 18-22. Technical programs are arranged for either two terms or four terms. This arrangement makes it possible for students to complete the first two terms which usually emphasize the practical aspects of the specialty and then enter employment. The third and fourth programs can then be taken by college evening classes for diploma credit. Other students may prefer to complete the four-term program in regular full-time study for diploma standing.

### **NON-TECHNICAL PROGRAMS**

Non-technical or general or academic programs are offered in a number of subject areas. Students will find requirements in these programs more flexible. By appropriate course selection, students may develop programs which will provide valuable learning experiences. These programs also provide a suitable preparation for advanced work at the universities or for specialized training in one or more non-technical fields.

### **TECHNICAL PROGRAMS 1965-1966**

These programs will be offered in 1965-1966:

#### **BUSINESS ADMINISTRATION**

- Accounting
- Finance and Investment
- Salesmanship
- Executive Secretary

#### **JOURNALISM**

#### **COMMUNITY SERVICES**

- Welfare Aide

#### **ART AND MERCHANDISING**

#### **THEATRE ARTS—DRAMA**



In brief, entrance requirements for technical programs are:

- 1) British Columbia secondary school graduation on any program or its equivalent.
- 2) An interest in the particular specialty for which application is made.

*In addition to these programs offered at King Edward, certain programs at the Vancouver Vocational Institute may be combined with study at King Edward Centre for a College diploma.* Students should enquire about these co-ordinated programs at the Counselling Centre, King Edward Centre, 738-3191.

## BUSINESS ADMINISTRATION

### ACCOUNTING PROGRAM

The courses included in this program provide a useful preparation for those interested in the accounting occupations in business and industry.

Discussions are in progress with representatives of the Certified General Accountants, the Institute of Chartered Accountants and the Registered Industrial Accountants in connection with the college accounting program. This program offers preparatory training for students who may consider working toward membership in one of these professional associations.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

#### These courses are included:

Communication Skills	Fundamentals in Practical Economics
Accounting	Fundamental Mathematics
Psychology for Business and Industry	Economic Development of British Columbia
Business Law	Data Processing Equipment Orientation
Industrial Cost Accounting	The Twentieth Century World

NOTE: *Recommended courses for the Third and Fourth terms will be outlined in the next issue of the catalogue.*

### FINANCE AND INVESTMENT PROGRAM

Opportunity for employment in the financial, investment and banking fields is increasing. Vancouver is recognized as the financial centre of Western Canada.

The Finance and Investment program will enable students to prepare for careers in investments, insurance, trust companies, banks, and related businesses in this expanding field.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

#### These courses are included:

Communication Skills	Oral Communications
Economics	The Pacific Trading Community

Accounting	Introduction to Promotional Techniques
Business Procedures	Mathematics of Finance
Psychology for Business and Industry	Data Processing Equipment Orientation
Investments and Investment Institutions	Government Fiscal and Monetary Policies
Consumer Credit	Life Insurance
Personnel Administration	Business Trends and Forecasting
General Insurance	Supervisory Training
Practical Banking	Management Policy and Practices
Economic Development of British Columbia	Business Law

### SALESMANSHIP PROGRAM

An effective sales person combines knowledge of product with good sales technique. This program consists of two parts, the second of which will be offered at King Edward Centre.

Entrance is limited to those who have an acceptable background of training and/or experience in business or in some technical-vocational field. Up to two college terms of credit toward the college diploma may be granted for this training and experience.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

#### These courses are included:

Communication Skills	Management Policy and Practice
Fundamentals in Practical Economics	Marketing
Business Procedures	Accounting
Fundamentals of Financing	Psychology for Business and Industry
	Economic Development of British Columbia

#### Sales Workshop:

Consisting of 20-30% of student's time. Includes such topics as: Human Relations, Sales Techniques, Oral Communications.

### EXECUTIVE SECRETARY PROGRAM

Includes training in the broader aspects of business and human relations combined with advanced secretarial training for careers in business.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

#### These courses are included:

Communication Skills	Economic Development of British Columbia
Business Law	



Business Procedures	Fundamentals in Practical Economics
Mathematics of Business	Effective Speech
Marketing	Data Processing Equipment
The Pacific Trading Community	Orientation
Accounting	Psychology for Business and Industry
	Advanced Reading Techniques

**Secretarial Workshop:** (About 30% of the student's time)

English Grammar and Business Usage  
 Business Etiquette  
 Filing and Records  
 Simulated Office Work (Practical work experience)  
 Business Machines  
 Skill Development—Shorthand, Typing, Dictation

*For students entering this program, skill in typewriting and transcription desirable but not essential.*

### JOURNALISM PROGRAM

The journalist is not adequately prepared without a broad background of education with special emphasis on Economics, Political Science, Current Affairs and Business Trends. The college journalism program combines course work in these areas with study and practice in journalism.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

**These courses are included:**

Communication Skills	Fundamentals in Practical Economics
Mathematics of Business	Canadian Government and Politics
Canada-U.S. Relations	Psychology for Business and Industry
Shorthand	Industrial Relations
Industrial Cost Accounting	The Pacific Trading Community
Twentieth Century World	Canadian Social Legislation
Mathematics of Finance	

**Journalism Workshop:** (About 30% of the student's time)

Assignments for various reporting duties, editing, make-up, etc.  
 Topics for study in the workshop include: Use of the Camera in Photo-Journalism, Equipment Orientation, Law of the Press, Court Routine, Public Relations and Public Opinion. Some of the work will be related to the production of the college paper.

### COMMUNITY SERVICES

#### WELFARE AIDE PROGRAM

This program includes preparation for employment in the social welfare field in the occupations such as "social work assistant", "case aide", "child care worker", "welfare worker". At the moment the general term of "welfare aide" is most acceptable in the industry and will be used to cover these types of work. There are many job opportunities of this

nature in B.C. as our social services and social agencies grow and expand.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

**These courses are included:**

Communication Skills	Interviewing Techniques
Canadian Social Legislation	Sociology of Special Groups
Introductory Psychology	Behavior Dynamics
Budgeting Techniques	Ethics and In-Service Relationships
Community Supported Agencies	Fundamentals in Practical Economics
Report Writing	History of Welfare Services
Child Psychology	Social Psychology
Sociology	Trends in Public Welfare
Elementary Statistics	Supervised In-Service Training
Supervisory Training	

### ART AND MERCHANDISING PROGRAM

Employment opportunities exist for persons with training in art coupled with a knowledge of the merchandising field in the retail sales business and certain other related commercial ventures.

Students entering this program should have an interest and some ability in art.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

**These courses are included:**

Communication Skills	Psychology for Business and Industry
Mathematics of Business	Economic Development of
Merchandising Techniques	British Columbia
Salesmanship	The Nature of Man and the World
Principles of Advertising	Management Policy and Practice
	Fundamentals in Practical Economics

**Art Workshop:**

Students will spend about 50% of their time in the workshop.  
 Drawing and Painting, Commercial Art Techniques, Design and Interior Decoration are among the subjects studied.

### THEATRE ARTS — DRAMA PROGRAM

This program provides a basic training in the fundamentals of acting, production and theatre crafts. It is anticipated that some students may have opportunities to work with certain professional theatre groups in the community.

Students who are accepted in this specialty are required to complete all courses prescribed in the program.

Enrolment in this program is limited.

**These courses are included:**

Communication Skills	Psychology for Business and Industry
Accounting	Mathematics of Business



Theatre Backgrounds  
The Nature of Man and  
the World

Music and the Arts  
Behavior Dynamics

#### Drama Workshop:

Represents about 50% of students class time and will include all aspects of speech, acting, stage design and other essentials of theatre crafts.

### CO-ORDINATED PROGRAMS

These programs combine work at the Vancouver School of Art or the Vancouver Vocational Institute with classwork at King Edward Centre. A one year or equivalent program taken at Vancouver Vocational Institute or Vancouver School of Art may be completed either before or after a two term sequence at King Edward Centre for diploma standing.

This example shows the pattern students may follow for a College Secretarial or College Bookkeeping Program after having completed the Vancouver Vocational Institute course of studies in this special field:

#### These courses are included:

##### FIRST TERM

1. Communication Skills
2. Economic Development of British Columbia
3. Mathematics of Business
4. Introductory Psychology
5. Fundamentals in Practical Economics
6. Marketing

##### SECOND TERM

7. Advanced Communication Skills
8. History of Modern Industrialization
9. Elementary Accounting
10. Psychology for Business and Industry
11. Modern Canada — from Confederation to Today
12. Business Law

Other co-ordinated programs are available in these specialties:

Art Foundations	Engineering Technical
Dental Office Assistant	Graphic Arts
Drafting	Medical Office Assistant
Electricity	Secretarial Practice
Electronics	

For further information consult with a college counsellor.

### GENERAL AND ACADEMIC PROGRAMS

#### These programs are designed for:

1. Students who seek training in a general college program without emphasis on a specific occupational specialty.
2. Students who plan to complete college programs which will enable them to continue their education at a university.

#### Programs are available in these fields:

English and Social Sciences	Modern Languages
Life and Physical Sciences	Pre-technical Studies
Mathematics and Science	Social Sciences

## A TYPICAL GENERAL COLLEGE PROGRAM

### SOCIAL SCIENCES

#### FIRST TERM

1. Communication Skills
2. Basic Statistical Measurement
3. The Twentieth Century World
4. Fundamentals in Practical Economics
5. Oral French

#### SECOND TERM

6. Advanced Communication Skills
7. Oral French
8. Modern Canada
9. Psychology for Business and Industry
10. The Nature of Man and the World

#### THIRD TERM

11. Report Writing
12. Canadian Political Development
13. Economic Development of British Columbia
14. Intermediate French (Oral)
15. An Introduction to Physical Geography

#### FOURTH TERM

16. Intermediate French (Oral)
17. Geography of Man
18. Behaviour Dynamics
19. Canadian Social Legislation
20. Business Law
21. Canada - U.S. Relations

## A TYPICAL ACADEMIC PROGRAM

### LIFE AND PHYSICAL SCIENCES

#### FIRST TERM

1. Literature and Composition
2. Trigonometry, Analytic Geometry, Calculus A
3. Elementary German
4. General Biology—cell and cell metabolism
5. Introduction to Chemistry A

#### SECOND TERM

6. Literature and Composition
7. Trigonometry, Analytic Geometry, Calculus B
8. Elementary German
9. General Biology—adaptation of organisms
10. Introduction to Chemistry B
11. Invertebrate Zoology

#### THIRD TERM

12. Vertebrate Zoology
13. Calculus A
14. Intermediate German
15. Introduction to Human Genetics
16. Introduction to Psychology

#### FOURTH TERM

17. Report Writing
18. Calculus B
19. Intermediate German
20. Field Ecology
21. Behaviour Dynamics



## SECONDARY SCHOOL COMPLETION PROGRAM

The Department of Education's Interrupted Program has enabled adults with incomplete secondary school standing to obtain University Entrance under special regulations which make provision for the maturity and purposeful study characteristic of the serious adult student.

If the student is accepted for this program by the Department of Education, he must complete these requirements:

1. Three senior courses in English, Social Studies and Mathematics:  
En. 40, S.S. 30, Ma. 11, 30 or 91
2. Grade X or equivalent standing in Science and a second language.
3. Three advanced level courses.

The level of placement in any of these courses will be determined by the College. Placement will be based on past achievement and experience of the student. In certain cases, the student may be required to write a survey examination to determine his placement.

The Secondary School Completion Program consists of two terms. The fall term coincides with the regular college term. The second term extends beyond the spring term into June, 1966.

Student achievement in secondary school courses at the end of the Fall term will be reviewed on the basis of results of the assignments and examinations during the term. Students who do not show satisfactory progress in a subject may be withdrawn from the course.

These Secondary School courses are offered at King Edward Centre during the day program only:

En. 91, 40, 31/41, 20/30	Fr. 91/92, Fr. 10/20, Ge. 9/10
Ma. 91, 11, 30, 9/10	Bi. 91, Ph. 11, Ch. 11, Sc. 20
S.S. 30, Hi. 91, Geo. 91	Co. 91, 34, 24, 20, 10

## COURSE DESCRIPTIONS

### COURSE NUMBERING

1. Regular college courses for credit towards the college diploma are numbered 10 and above. The numbers are preceded by the subject field in which the course is listed.  
Example: History 17 — History of Modern Industrialization
2. All college course numbers followed by the letter A or B, designate courses which must be taken in sequence. That is, En 15A must be completed before taking En 15B.
3. Courses numbered 20 and above are in general advanced courses which require prerequisite study.
4. Prerequisite requirements, if applicable, are given in the course description. Students should select courses with care to ensure that they undertake an acceptable college program which will meet college certificate or diploma requirements and best meet their occupational or career needs.

### COURSES OFFERED, 1965 - 1966

These courses will be offered at King Edward Centre, Vancouver City College during the **Fall Term**, September to December, 1965 and the **Spring Term**, January to April, 1966.

### BUSINESS ADMINISTRATION

These courses are open to regular students as electives but no attempt will be made at this time to provide a differentiated course for those not on a Business Administration Program.

<b>Business Administration 15</b>	<b>Fall</b>	Elementary Accounting.
	<b>Spring</b>	An introductory course designed for the student of business.
<b>Business Administration 17</b>	<b>Fall</b>	Business Law.
	<b>Spring</b>	Emphasis upon practical aspects of law related to business with a minimum of legal terminology.
<b>Business Administration 18</b>	<b>Fall</b>	Business Procedures.
	<b>Spring</b>	An introduction to the purpose and function of good business operations.
<b>Business Administration 19</b>	<b>Fall</b>	Investments and Investment Institutions.
	<b>Spring</b>	A general introduction to investments and investment methods and institutions. Of value to the layman as well as to the potential professional.



## ENGLISH

- English 15A** *Fall* Communication Skills.  
Stress on the communication skills of reading, writing, speaking and listening. Particular attention will be given to developing the student's ability to gather, organize and present ideas effectively.
- English 15B** *Spring* Advanced Communication Skills.  
This course aims to further improve the student's ability to write and speak clear, precise expository prose; to achieve greater facility in the use of his language; to grow in power as an observant critic; and to develop understanding of the processes of communication and skill in the use of the fundamental techniques.
- English 17A** *Fall* Literature and Composition.  
Literature of the 20th Century with special consideration of forms and techniques characteristic of modern literary developments; the study and application of principles of composition that underlie effective, mature writing. Students who plan to concentrate on the study of literature should enrol in this course.
- English 17B** *Spring* Literature and Composition.  
*Fall* Report Writing.
- English 19** *Spring* This course aims to develop the student's ability to apply specifically to the written report writing skills previously developed in English 15B or 17B; to make the student aware of the multiplicity of typical report forms and to prepare the student to participate in the presentation of reports in business office or departmental meetings.  
Prerequisite: English 15B or English 17B.
- English 23** *Fall* A Survey of English Literature.  
The Medieval World in English Literature, English Renaissance, English Baroque.  
Prerequisite: English 15B or English 17B.
- English 24** *Spring* A Survey of English Literature.  
The Augustans and Age of Reason, Pre-Romantics, the Victorian Age.  
Prerequisite: English 15B or English 17B.  
**Note:** Students who are concentrating on the study of English literature are advised to complete English 23 before enrolling in English 24.

- English 25** *Spring* Canadian Literature.  
A study of selected works of poetry, fiction and criticism.  
Prerequisite: English 15B or English 17B.

- English 27** *Fall* Exploring Literature.  
The purpose of this course is to widen the student's acquaintance with works of literature. In preliminary lectures, the instructor will provide a literary "map" as a guide to the student. The student will then choose a literary form or theme (e.g., the sociological novel, the drama of ideas) and in consultation with the instructor will select the titles he will study. Through consultations and assignments he will proceed to give order to his personal reading program.  
Prerequisite: English 15B or English 17B.

## MATHEMATICS

- Mathematics 15A** *Fall* Trigonometry and Analytic Geometry.  
*Spring* This introductory course and Mathematics 15B are not intended for students who plan advanced study of mathematics in the fields of pure or applied science but will provide a useful background for pre-technical students and others desiring a background in fundamental mathematics. Use of the slide rule and practical applications will be included.  
Prerequisite: Mathematics 91 or equivalent.
- Mathematics 15B** *Spring* Analytic Geometry and Calculus.
- Mathematics 17A** *Fall* Trigonometry, Analytic Geometry and Calculus.  
*Spring* This introductory course and Mathematics 17B are intended for students who plan advanced study of mathematics in the fields of pure or applied science. These courses are a prerequisite for Mathematics 27A.  
Prerequisite: Mathematics 91 or equivalent.
- Mathematics 17B** *Spring* Trigonometry, Analytic Geometry and Calculus.
- Mathematics 19** *Fall* Mathematics of Business.  
*Spring* An introductory course for students of business including topics such as: simple interest, bank discount, present value, personal borrowing,



payroll and wage systems, life insurance, various kinds of general insurance, sales and property taxes, cash discounts, trade discounts, mark-ups, etc.

**Mathematics 23** *Spring* Basic Statistical Measurement.

Provides students with a basic understanding of statistics. Topics included: obtaining numerical data, organization and presentation, variability, nature of samples and sample distribution.

**Mathematics 25A** *Fall* Modern Mathematics.

Designed for the student who desires a knowledge of some aspects of "Modern Mathematics". Topics covered include: sets, number bases, modular arithmetic, probability, symbolic logic.

**Mathematics 25B** *Spring* Modern Mathematics.

Continues the work of Mathematics 25A. Topics covered include: Number theory, Boolean Algebra, topology, Non-Euclidean geometry.

**Mathematics 27A** *Fall* Calculus.

Differential and integral calculus with applications.  
Prerequisite: Mathematics 17B.

**Mathematics 27B** *Spring* Calculus.

Differential and integral calculus with applications.

**MODERN LANGUAGES**

**French 17A** *Fall* Intermediate French.

A continuation of all aspects of French studied in French 11 including independent reading of at least one book. Not intended for students who plan to specialize in the study of French. This course and French 17B lead to a final sequence in French: French 27A and B.  
Prerequisite: French 20 (old course) or French 11 (new course).

**French 17B** *Spring* Intermediate French.

Further development of the speaking, reading and writing of French. Students will read at least one book independently.

**French 18A** *Fall* Oral French (Elementary).

An audio-visual course with an exclusively aural-oral approach designed for beginners.

**French 18B** *Spring* Oral French. (Elementary).

A continuation of the aural-oral approach with some writing and reading.

**French 19A** *Fall* French Language and Literature.

Primarily a literature course, but including grammar and oral and written composition for students who plan advanced study in the French language.

Prerequisite: French 92 or French 12 (new course).

**French 19B** *Spring* French Language and Literature.

**French 27A** *Fall* Senior College French.

A terminal French course not normally leading to further study in French literature and composition. Satisfies language requirements for some careers.

Prerequisite: French 17B or equivalent.

**French 27B** *Spring* Senior College French.

**French 28A** *Fall* Intermediate French (Oral).

A continuation of the practical speaking, reading and writing of French.  
Prerequisite: French 18B.

**French 28B** *Spring* Intermediate French (Oral).

**French 29A** *Fall* Advanced French Language and Literature.

Emphasis is on literature and *explication de texte*, oral and written composition. This course leads to advanced study of the French language.

Prerequisite: French 19B or equivalent.



**Note:** With the approval of the Department, able students who have completed French 17B or its equivalent may be admitted to this course.

**French 29B** *Spring* Advanced French Language and Literature.

**German 15A** *Fall* Modern Conversational German.

A beginner's course with emphasis on communication in oral and written form. The student will be introduced to reading material adapted to his own special interests, i.e. business, fine arts, technical, etc.

**German 15B** *Spring* Modern Conversational German.

**German 17A** *Fall* Elementary German.

A beginner's course in oral and written composition. A prerequisite to a concentrated study of the German language.

**German 17B** *Spring* Elementary German.

**German 19A** *Fall* Intermediate German.

Oral and written composition based on the works of contemporary German authors, short stories and essays. Some 19th century poetry. Students who plan further study of composition and literature should enrol in this course.

Prerequisite: German 17B or equivalent.

**Note:** Open to students of German language background with the permission of the department.

**German 19B** *Spring* Intermediate German.

**German 25A** *Fall* Advanced Modern Conversational German and Translation.

An advanced course in German conversation increasing the student's vocabulary and range of communication. Concentrated study of publications in the areas of student's special needs, i.e. business forms, letter writing, contracts, skill in translating journals in the field of his special occupational interests.

Prerequisite: German 15B.

**German 25B** *Spring* Advanced Modern Conversational German and Translation.

Broadens the student's facility to converse in German. Continued emphasis upon meeting the student's requirements for specialized vocabularies.

**German 29A** *Fall* Advanced German Literature and Composition.

A study of contemporary German literature and some works from the classical period of the early 19th century. Oral and written composition. Students who plan further study of German must complete this course.

Prerequisite: German 19B or equivalent.

**Note:** Open to students of German language background with the permission of the department.

**German 29B** *Spring* Advanced German Literature and Composition.

## PHYSICAL EDUCATION

Because of the importance of physical fitness and the desirability of cultivating leisure-time interests of a recreational nature, all students are encouraged to enrol in at least one course in physical education during their college program.

Students may count three hours of credit in physical education toward the college diploma.

Elective courses will be offered to meet the interests and requirements of students:

**Physical** *Spring* Activity Program

**Education 15** *Fall* For Men and Women: badminton, volley-ball, gymnastics, Social Dance.

For Men: General Fitness and Weight Training.

Other activities may be offered: golf, archery, fencing.

Required courses for students enrolled in certain technical programs will be given by arrangement. The Welfare Aide program includes such physical education courses.

## PHYSICAL AND LIFE SCIENCES

**Biology 15A** *Fall* General Biology—Cell and cell metabolism.

An introduction to the principles of biology including cell structure and specialization, physical and chemical nature of protoplasm with some consideration of food synthesis, digestion and respiration.



**Biology 15B**      *Spring*    General Biology—Adaptation of organisms.  
A study of representative plants and animals illustrating how structures of various groups meet the needs of organisms. Principles of genetics will be included.

**Biology 23**      *Fall*      Introduction to Human Genetics.  
Principles of genetics, stressing examples taken from the human population. Among topics to be considered will be fertilization and development, Mendel's Laws, genetics, continuity and the physical basis of heredity, mutations, population genetics and eugenics.  
Prerequisite: Biology 15B or Zoology 19B.

**Biology 24**      *Spring*    Field Ecology.  
A study of plant and animal communities of British Columbia. Emphasis on animals affecting man with practical applications. An appreciation of the management and conservation of our plant and animal resources, land vertebrates, their form and function, distribution and abundance, life history and ecology. Field trips during laboratory hours are required.  
Prerequisite: Biology 15B or Zoology 19B.

**Physics 15A**      *Fall*      Mechanics.  
An introduction to elementary mechanics. The structure of matter, kinematics, dynamics, statics, energy and heat are examined in the classroom and the laboratory.  
Prerequisite: Physics 91 or Physics 11 and Mathematics 91.

**Physics 15B**      *Spring*    Electrical and Wave Phenomena.  
An introduction to electricity and wave phenomena. The behaviour of circuits and electric charges and properties of sound and light waves are examined in classroom and laboratory.

**Zoology 19A**      *Fall*      Invertebrate Zoology.  
An evolutionary survey of invertebrates: their structure and function.  
Prerequisites: Biology 91, Biology 11 or Biology 15A.

**Zoology 19B**      *Spring*    Vertebrate Zoology.  
Cells, genetics, embryology, classification of organ systems and their function. Animal adaptations and the distribution of population.

**Chemistry 15A**      *Fall*      Introduction to Chemistry.  
The basic concepts in inorganic and physical chemistry. Among the topics considered are: basic chemical laws and laws of chemical combination; atomic and molecular theory; properties of gases; the periodic table; acids, bases and salts; oxidation and reduction; solids, liquids and changes of state; solutions and methods of expressing concentration of solutions.  
Prerequisite: Chemistry 91 or equivalent.

**Chemistry 15B**      *Spring*    Introduction to Chemistry.  
A continuation of basic concepts: Atomic structure, the nucleus and the electrons; chemical kinetics; chemical equilibrium; ionic equilibrium, descriptive chemistry.

**Science 17**      *Fall*      The Nature of Man and the World.  
Certain aspects of Biology, Chemistry and Physics studied as separate entities together with problems where these disciplines and others are needed as a background of information. Contemporary problems requiring knowledge of science will be examined as they arise. This course is recommended for the student not specializing in the study of the sciences who desires some background in the subject.

## SOCIAL SCIENCES

**History 15**      *Fall*      The Twentieth Century World.  
A survey of world developments during the past six decades from a Canadian point of view.

**History 17**      *Spring*    History of Modern Industrialization.  
A study of economic factors and forces that reflect the impact of technological changes from the Industrial Revolution to the present.

**History 18**      *Fall*      Early Canada—from Cartier to Confederation.  
History and development of the Canadian nation from early colonies to 1867.



**History 19** *Spring* Modern Canada—from Confederation to Today.

A survey of the political and economic development of Canada since 1867.

**Note:** It is recommended that students concentrating on the study of history take History 18 before History 19.

**History 22** *Fall* Modern European History—1900-1933.

Europe at the turn of the century; the causes, events and aftermath of World War I; the "search for security" and the League of Nations; the Great Depression, and the rise of totalitarian states.

**History 23** *Spring* Modern European History — 1933 to the Present.

A study of factors leading to World War II; the events and global aspects of the war; the "Cold War" situation; the emergence of Red China as a world power; the collapse of colonialism and rise of nationalism in Asia and Africa.

**Note:** It is recommended that students concentrating on the study of history take History 22 before History 23.

**Economics 15** *Fall* Fundamentals in Practical Economics.

A course for the general student to acquire a practical knowledge of the field of economic theory and problems.

**Economics 21A** *Fall* Economics: Theory and Structure.

- National Income and Its Fluctuations
- Money and Banking
- The Role of Government
- Equilibrium Analysis
- Competitive Structure.

Prerequisite: This course is limited to students in their 3rd and 4th terms. Students considering advanced study in Economics should complete Economics 21A and Economics 21B.

**Economics 21B** *Spring* Economics: Principles and Applications.

- Income Distribution
- The Pricing System
- International Trade

- Current International Economic Problems
- Alternative Economic Systems

This course is limited to students in their 4th college term.

**Geography 15** *Fall* The Economic Development of British Columbia.  
*Spring*

A geographical analysis of British Columbia's present and future economic development.

**Geography 16** *Spring* The Pacific Trading Community

A regional geography of the major countries fringing the Pacific emphasizing their economic, political and social inter-relationships with British Columbia.

**Geography 18A** *Fall* An Introduction to Physical Geography

A study of the earth's major land forms, their evolution, and an examination of the various climates of the world and their causality.

**Geography 18B** *Spring* The Geography of Man

The inter-relationship between the environment and present culture patterns — an examination of man's principal economies and settlement types.

**Psychology 15** *Fall* Introductory Psychology.

*Spring* A study of the basic forms of human behavior. This course is recommended for students who desire a basic understanding of the field of psychology. Students who wish additional course work in this field should then take Psychology 21.

**Psychology 17** *Fall* Psychology for Business and Industry.

*Spring* A progressive study of the individual in his development through various societies. A course with a practical emphasis in the field of business.

**Psychology 21** *Spring* Behavior Dynamics.

An advanced course for students who have completed Psychology 15 or 17.



**Political  
Science 17**

*Fall* Canadian Social Legislation.

A study of federal, provincial and municipal legislation and practices in the broad field of social welfare.

**Political  
Science 19**

*Spring* Canadian Political Development

A study of the growth and policies of Canadian political parties, government structure — e.g. federal, provincial and municipal governments and civics.