

# Victoria College



## CALENDAR

1958-59

VICTORIA, BRITISH COLUMBIA

## CHILDREN OF WAR DEAD (Education Assistance) ACT

This Act provides fees and monthly allowances for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest district office of the Department of Veterans' Affairs.

## DEPARTMENT OF EDUCATION ASSISTANCE

In order to assist students of academic merit who, without financial assistance, cannot proceed with their education beyond the level of the secondary school, the Provincial Government, with Dominion Government participation, has set aside a fund to provide loans (and a limited number of bursaries). Loans are to be repaid within three years of completion of training. Applications, on forms available from the Department of Education, Victoria, B.C., must be received not later than August 1st.

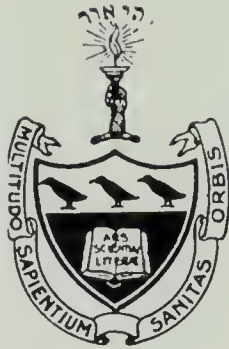
A similar fund, known as Department of Education Assistance for Teacher Training, has been provided by the Provincial Government for those who are preparing for the profession of teaching and agree to teach in the public school system of British Columbia for three years after graduation from teacher training. Applications must be received by the Department of Education, Victoria, B.C., not later than August 1st.

# Victoria College

*In Affiliation with the University of British Columbia*



Victoria College  
Library



## CALENDAR

1958-59

VICTORIA, BRITISH COLUMBIA



EWING BUILDING, VICTORIA COLLEGE

## VICTORIA COLLEGE COUNCIL

Norman A. M. MacKenzie, C.M.G., M.M. and Bar, Q.C., B.A., LL.B., LL.M., LL.D.,  
D.C.L., D.Sc. Soc., F.R.S.C., President, University of British Columbia.  
S. N. F. Chant, O.B.E., M.A., Dean of the Faculty of Arts and Science.  
Neville V. Scarfe, M.A., Dean of the Faculty of Education.  
John Gough, M.A., District Superintendent of Schools, Greater Victoria District.  
W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.

### Appointed by Board of Governors:

His Honour Judge J. B. Clearihue, M.C., E.D., B.A., B.C.L., M.A., LL.D.  
(Chairman). Term expires May, 1959.  
John F. Walker, B.A.Sc., Ph.D. Term expires May, 1961.

### Appointed by Lieutenant-Governor in Council:

Lloyd G. McKenzie, B.A., LL.B. Term expires May, 1959.  
Willard E. Ireland, M.A. (Vice-Chairman). Term expires May, 1961.

### Appointed by Greater Victoria Board of School Trustees:

W. P. Jeune. Term expires May, 1959.  
W. H. Golby. Term expires May, 1961.

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## OFFICERS AND STAFF

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Principal.  
Robert T. D. Wallace, M.A. (Brit. Col.), Vice-Principal and Director, Evening  
Division.  
Henry C. Gilliland, M.A. (Brit. Col.), Director, Teacher Education.  
Hugh E. Farquhar, M.A. (Brit. Col.), Director of the Summer Session.  
Miss Dorothy M. Cruickshank, B.A. (Brit. Col.), Registrar.  
Albert A. Spratt, B.A. (Sask.), B.L.S. (McGill), Librarian.  
M. Warren Davidson, Bursar.  
Miss Patricia Sullivan, B.A. (Sask.), Associate Registrar.  
Mrs. Marjorie Hoey, Assistant Registrar.  
Miss Catherine D. Cameron, Secretary to Principal.

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## FACULTY OF ARTS AND SCIENCE

### Professor Emeritus

Jeffrey A. Cunningham, B.A. (Queen's), Professor Emeritus of Zoology.

### Department of Anthropology

Roy E. L. Watson, M.A. (Toronto), Assistant Professor.

### Department of Biology, Botany and Zoology

W. Gordon Fields, B.A. (Brit. Col.), A.M. (Stanford), Associate Professor of Biology  
and Zoology, and Head of Department.

Miss Anne L. Gorham, B.Sc. (Dalhousie), M.Sc. (McGill), Assistant Professor of  
Biology and Botany.

Arthur R. Fontaine, B.Sc. (McGill), Assistant Professor of Biology and Zoology.

### Department of Chemistry

Lewis J. Clark, B.A. (Brit. Col.), M.Sc. (Washington), Associate Professor and Head  
of Department. (On leave of absence 1958-59.)

Edward J. Savannah, A.B., S.B. (Calif.), Assistant Professor.

C. Eugene Burchill, B.A. (Sask.), Instructor.

Miss Wilma E. Elias, B.A., M.A. (Sask.), Ph.D. (Brit. Col.), Lecturer for Session  
1958-59.

#### Department of Classics

John Carson, M.A. (Oxon), Assistant Professor.

#### Department of Commerce and Economics

G. Reid Elliott, B.A. (Sask.), M.A., Ph.D. (Toronto), Associate Professor.

#### Department of English

Roger J. Bishop, B.A. (Brit. Col.), M.A. (Toronto). Professor and Head of Department.

Rodney P. D. Poisson, M.A. (Brit. Col.), Associate Professor.

G. Grant McOrmond, M.A. (Sask.), Assistant Professor.

Robert G. Lawrence, M.A. (New Brunswick), Ph.D. (Wisconsin), Assistant Professor (on leave of absence 1958-59).

C. Anthony Emery, M.A. (Oxon), Assistant Professor.

John D. Grube, M.A. (Toronto), Instructor.

Miss Patricia J. Carstens, B.A. (Brit. Col.), M.A. (Calif.), Instructor.

William Benzie, M.A., B.Ed. (Aberdeen), Lecturer for 1958-59.

#### Department of Geology and Geography

Charles H. Howatson, M.A. (Brit. Col.), Associate Professor.

#### Department of History

Sydney G. Pettit, M.A. (Brit. Col.), Associate Professor.

C. Anthony Emery, M.A. (Oxon), Assistant Professor.

#### Department of Mathematics

Robert T. D. Wallace, M.A. (Brit. Col.), Professor and Head of Department.

Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Assistant Professor.

George E. Cross, M.A. (Dalhousie), Assistant Professor.

Mrs. D. Elizabeth Kennedy, M.A. (Brit. Col.), Assistant Professor.

#### Department of Modern Languages

W. Harry Hickman, M.A. (Brit. Col.), Docteur de l'Université de Paris, Professor of French and Head of Department.

Miss Gwladys V. Downes, M.A. (Brit. Col.), Docteur de l'Université de Paris, Associate Professor of French (on leave of absence 1958-59).

Gordon L. Tracy, B.A. (Queen's), M.A., Ph.D. (Wisconsin), Associate Professor of German.

J. Beattie MacLean, B.A. (Brit. Col.), M.A., Ph.D. (Wash.), Associate Professor of German.

Gerald Moreau, M.A. (Laval), Docteur de l'Université de Poitiers, Instructor in French and Spanish.

Miss Lorraine E. Brand, B.A. (Brit. Col.), Lecturer in French 1958-59.

#### Department of Philosophy

Roy E. L. Watson, M.A. (Toronto), Assistant Professor.

#### Department of Psychology

William H. Gaddes, M.A. (Brit. Col.), Ph.D. (Claremont), Associate Professor.

#### Department of Physics

John L. Climenhaga, M.A. (Sask.), M.A. (Mich.), Associate Professor and Head of Department.

Harry W. Dosso, B.A., M.Sc. (Brit. Col.), Instructor.

Gerhart B. Friedmann, B.Sc., M.A. (Madras), Ph.D. (Brit. Col.), Lecturer.

#### Department of Sociology

Roy E. L. Watson, M.A. (Toronto), Assistant Professor.

# COLLEGE OF EDUCATION

## JOINT BOARD

### Representing the University:

The Chancellor, Dr. A. E. Grauer, or his nominee.  
The President, Dr. N. A. M. MacKenzie, or his nominee.  
The Dean of the Faculty and College of Education, Neville V. Scarfe, or his nominee.  
Representative of the Senate, Dean Walter H. Gage (Chairman).

### Representing the Provincial Department of Education:

The Deputy Minister, Dr. Harold L. Campbell, or his nominee.  
The Assistant Deputy Minister, Dr. J. F. K. English, or his nominee.  
The Registrar, Mr. Harry M. Evans, or his nominee.  
The Chief Inspector of Schools, Mr. F. P. Levirs, or his nominee.

### Representing Victoria College:

The Principal, Dr. W. Harry Hickman, or his nominee.

### Representing the B.C. School Trustees' Association:

Mr. F. M. Reder.

### Representing the B.C. Teachers' Federation:

Mr. C. D. Ovans.

Mr. Harold N. Parrott.

Secretary, The Registrar, Mr. J. E. A. Parnall.

## FACULTY OF EDUCATION

H. C. Gilliland, M.A. (Brit. Col.), Professor and Director and Head of Teacher Education.

George A. Brand, B.A., M.Ed. (Brit. Col.), Associate Professor.

Hugh E. Farquhar, M.A. (Brit. Col.), Associate Professor.

D. Boyce Gaddes, A.T.C.M., B.Mus. (Oregon), M.A. (Wash.), Associate Professor.

A. Wilfrid Johns, B.A. (Wash.), Associate Professor.

Mrs. Kathleen M. Christie, B.A. (Brit. Col.), Assistant Professor.

Miss Winnett A. Copeland, Assistant Professor.

Alfred E. Loft, B.A. (Brit. Col.), Assistant Professor.

Fred L. Martens, B.A., B.Ed. (Brit. Col.), M.S. in P.E. (Wash.), Assistant Professor.

Geoffrey P. Mason, M.A. (Brit. Col.), Assistant Professor.

Neil A. Swainson, M.A., B.Ed. (Brit. Col.), Assistant Professor.

Miss Jessie B. Fleming, B.A. (Brit. Col.), Assistant Professor.

Miss Maureen C. Bray, B.P.E. (Brit. Col.), M.A. (Oregon), Assistant Professor.

## OTHER DEPARTMENTS

### Accounting Department:

M. Warren Davidson, Bursar, Accountant, Purchasing Agent.

### Book Store:

Mrs. E. Joyce McKay, B.A. (Man.), Manager.

### Counselling and Placement:

J. Beattie MacLean, B.A. (Brit. Col.), M.A., Ph.D. (Wash.), Supervisor.

### College Health Service:

Dr. R. M. Lane, Supervisor.

Mrs. Sylvia Neale, R.N., Nurse in Charge.

### Library:

Albert A. Spratt, B.A. (Sask.), B.L.S. (McGill), Librarian.

Dennis A. Godson, B.A. (Brit. Col.), B.L.S. (Tor.), Junior Librarian.

Miss Anne Van der Voort, B.A. (Queen's), B.L.S. (Tor.), Junior Librarian.

Miss Grace D. Tuckey, B.A., B.S.W. (Brit. Col.), Library Assistant.

Miss Alison Maude, B.A. (Minnesota), Library Assistant.

Miss Doris P. Drummond, B.A. (Alberta), Library Assistant.

### Women's Activities:

Mrs. O. Phoebe Noble, B.A. (Brit. Col.), Co-ordinator.

## ACADEMIC YEAR\*

1958

- Friday, August 1st—Last day for submission of applications for bursaries.  
Monday, August 11th—Supplemental examinations begin.  
Tuesday, August 19th—Supplemental examinations end.  
Monday, September 1st—Labour Day. College closed Saturday to Monday, inclusive.  
Monday, September 8th—Registration begins. Fees due and payable.  
Wednesday, September 17th—Last day for registration of new students.  
Thursday, September 18th—Session begins (organization).  
Friday, September 19th—Last day for registration.  
Monday, September 22nd—Lectures begin.  
Wednesday, October 1st—Last day for change in students' courses.  
Monday, October 13th—Thanksgiving Day. College closed Saturday to Monday, inclusive.  
Tuesday, November 11th—Remembrance Day. College closed.  
Saturday, December 20th—First term ends.

1959

- Monday, January 5th—Second term begins. Second term fees due and payable.  
Students are advised to mail second term fees to Accountant by this date.  
Friday, March 27th—Good Friday. College closed March 27th and 28th.  
Monday, March 30th—Easter Monday. College closed.  
Wednesday, April 15th—Last day of lectures.  
Friday, April 17th—Sessional examinations begin.  
Friday, May 1st—Sessional examinations end.  
Monday, May 18th—Victoria Day. College closed.  
Wednesday, July 1st—Dominion Day. College closed.  
Monday, July 6th—Summer Session begins. Last day of registration for the Summer Session.  
Tuesday, July 7th—Summer Session supplemental examinations.  
Wednesday, July 15th—Last day for submission of applications for supplemental examinations.  
Monday, August 10th—Supplemental examinations begin.  
Tuesday, August 18th—Supplemental examinations end.  
Thursday, August 20th—Summer Session ends.  
Monday, August 31st—Academic Year ends.

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\*During 1958 the College is closed Saturdays from May 17th to August 30th inclusive.

# VICTORIA COLLEGE

*In Affiliation with the University of British Columbia*

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VICTORIA COLLEGE offers two years of University work in Arts and Science and in the College of Education. Since the courses are the same as those prescribed by the University of British Columbia, students receive credits that are recognized wherever the credits of the parent University are recognized.

To be more specific, Victoria College offers the first two years of work preparatory to degrees in Arts, Science, Commerce, Education, Law, Medicine, Dentistry, Social Work, and Library Science. The College also offers the first year of work preparatory to degrees in Agriculture, Applied Science, Architecture, Chartered Accountancy, Forestry, Nursing, Occupational Therapy, Physiotherapy, Optometry, Pharmacy, and Veterinary Medicine.

In 1894, by Act of the Provincial Legislature, High Schools of the Province were permitted to affiliate with recognized Canadian Universities, in order to provide the first stages of higher education.

Eight years later, in 1902, Victoria High School applied for affiliation with McGill University, and in the Fall of 1903 Victoria College opened its doors as a separate institution to give the first year in Arts and Science under the aegis of McGill. Second year work in Arts and Science was undertaken in 1907.

In 1906, the Provincial Legislature passed an Act incorporating the Royal Institution for the Advancement of Learning of British Columbia. This Institution, in the same year, established at Vancouver the McGill University College of British Columbia, and in the following year Victoria College became part of this foundation.

In 1908, an Act was passed establishing and incorporating the University of British Columbia, and in 1915, when the University of British Columbia was opened, Victoria College was closed.

Five years later, however, in 1920, public opinion demanded that higher education again be made available in the Victoria area, and Victoria College was re-established — this time in affiliation with the University of British Columbia.

In 1945, by virtue of an Agreement signed by the Education Department, the University, and the Greater Victoria School Board, the academic direction of the College was placed in the hands of Victoria College Council, on which all three authorities were represented. Financial direction remained in the hands of the Greater Victoria School Board.

At the 1955 session of the Legislature, Victoria College was by Statute created a second institution of higher learning in British Columbia, affiliated with the University of British Columbia, and offering courses approved by the University in the Faculties of Arts and Science and Education. The Victoria Normal School was incorporated into Victoria College as a part of the College of Education, which, beginning September 1, 1956, assumed responsibility for the training of teachers. The affairs of Victoria College are vested in Victoria College Council consisting of eleven members.

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The College buildings are situated at the corner of Lansdowne and Richmond Roads on the Mount Tolmie bus route, and command beautiful views of the City of Victoria, Juan de Fuca Strait, and the Olympic Mountains in the State of Washington.

The fullest facilities are available. These include a fine library, first-class laboratories, a book store, a cafeteria, and an adjacent playing-field.

With its relatively small enrolment, and its carefully selected Faculty, Victoria College offers an individualized education to its students whether they be preparing the way for further University studies or planning to enter the teaching profession.

During the early summer of 1952 the new Library-Administration Building was ready for occupancy. The \$259,000 structure, financed by the B.C. Government, was named the Ewing Building, in memory of Dr. John Morton Ewing, who, as Principal from 1944 to 1952, very ably directed the College through the years of expansion following the war. The new building includes administrative and staff offices, the College Library with 47,000 volumes and spacious, well-lighted Reading Room, and an attractive Student Union Room.

### IMPORTANT NOTICES

No student with unsatisfactory standing will be permitted to register without the permission of the Faculty.

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As the College Session is short, the student must be prepared to do intensive work from the first day of the session to the last. Unless the student adapts himself to these conditions, his chances of success are slight.

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The Principal and Staff are most willing at all times to give direction or advice but the ultimate responsibility in the selection of courses rests with the students.

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#### Regulation of Victoria College Council Forbidding Hazing and other Unauthorized Activities

The following are prohibited:

1. Hazing.
2. Any act by any student attending the College or by anyone at all causing injury or likely to cause injury to any person or damage to College property.
3. Bringing and/or consuming liquor within the precincts of the College, or in association with any function held under the name of the College.

Any student violating the above regulation will be liable to immediate expulsion.

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Victoria College is governed by the regulations of the University of British Columbia, of which the official statement is the University Calendar; this Calendar is a digest of such regulations.

Students are warned not to assume that regulations remain unchanged from year to year. They should note regulations and outlines of courses as they appear in this Calendar.

Application for admission should be made as early as possible before September 1st, 1958, to the Registrar, Victoria College. Students registering for the first time must present their High School Graduation (University Programme) Certificates, and any higher certificates they may have obtained.

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### THE LIBRARY

Since good books are essential to sound learning, the Library is the centre of academic life on the campus. More than 47,000 volumes, representing all fields of study on the curriculum, are contained in the College Library. About 5,000 carefully selected volumes are added annually. Over 300 periodicals are currently received. In addition, there are over 500 long playing records, about 500 art prints and a collection of B.C. original paintings.

The main Library, with study space for 250 readers, is housed in the Ewing Building. The Curriculum Library, for student teachers, provides another 60 seats. It is housed in Room 111 of the Main Building and contains school text-books, teaching manuals, children's books and picture files.

Except for the Reserved Books section, the Library book shelves are open to all. The Dewey Decimal Classification scheme is used. The regulations governing loan periods and fines are published in the Students' Handbook and are posted on the Library Bulletin Board. Library privileges are extended to all College students and staff members and may be granted to other persons upon application.

During the Session 1958-59 the Library will be staffed by five librarians and three assistants who will aid the students to make the fullest possible use of the book collection.

While classes are in progress the Library is open regularly as follows:

Mondays through Fridays	—8:15 a.m. to 5:00 p.m.
Saturdays	—8:15 a.m. to 12:45 p.m.
Monday through Thursday evenings	—7:00 p.m. to 9:30 p.m.

At other times the Library is open from 8:30 a.m. until 4:30 p.m. Mondays through Fridays.

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### College Book Store

All text-books and student supplies can be purchased at the College Book Store which is within the College building.

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## GENERAL INFORMATION

The academic year begins on the first of September and ends on the last day of August. The Winter Session is divided into two terms—the first, September to December; the second, January to May. The Summer Session consists of seven weeks' instruction in July and August.

### Courses of Study

For the session of 1958-59 the College offers instruction in the first two years of the Faculty of Arts and Science, in the first year of the Faculty of Commerce and Business Administration, and in the first two years of the College of Education leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, and Bachelor of Education.

By a proper selection of First Year courses in Arts and Science, students may equip themselves to enter, at the University, the first year of Engineering, Architecture, Forestry, Nursing, and the second year of Agriculture, Physical Education, Pharmacy.

Courses preparatory to Medicine, Dentistry, Law, etc., are given in so far as the curriculum applies.

### Board and Residence

A list of private homes where students may obtain full board and room, room and breakfast only, or light housekeeping accommodation may be obtained from the Registrar's Office. Students wishing to work for their room and board should also apply to the Registrar's Office. Men and women students are not permitted to lodge in the same house, unless they are members of the same family, or receive special permission from the Faculty. The cost of board and room varies from about \$55 to \$65 a month. Students should ascertain whether they are being offered two or three meals a day at the price quoted. Light housekeeping accommodation is available from \$25 to \$35 a month. Lunches may be obtained on the campus.

### Counselling and Placement Office

Victoria College Counselling and Placement Office is situated in Room 216 C, Main Building. Its three main functions are: (1) Counselling; (2) Testing; (3) Placement.

Address enquiries to Supervisor of Counselling and Placement, Victoria College.

(1) **Counselling:** For all students regarding academic problems, vocational study and direction, and personal problems. Books, pamphlets, and materials are available at the Counselling Office.

(2) **Testing:** Tests are administered to all students anticipating entrance to the college. These are held at various centres throughout the province in conjunction with the University testing programme in April and May. Victoria and area students are tested at the college in April or May. Notices will be sent to the high schools regarding dates. Others than high school students should contact Victoria College.

(3) **Placement:** This office endeavors to assist students in finding part-time work and summer employment. Close liaison is maintained with the National Unemployment Insurance Commission Office. Registration should be made early in the first term, preferably in September or October. Some employment opportunities on the campus and also found for students in need of assistance (See page 23); campus employment is usually limited to about eight hours per week, so as not to interfere with study programme.

## ADMISSION REQUIREMENTS

All enquiries relating to admission to the College should be addressed to the Registrar.

1. **Qualification for Admission:** The minimum academic qualification for admission to the College is High School Graduation (University Programme) of the Province of British Columbia or its equivalent. An outline of the content of this programme may be obtained from the Department of Education, Victoria, B.C. No student will be admitted with incomplete or conditioned standing.

2. **Qualification for Admission by other than British Columbia Certificate:** A candidate who wishes to enter by certificate other than that issued by the Department of Education, British Columbia, should submit the original documents to the Registrar. Unless the applicant's diploma or certificate shows the gradings obtained in the several subjects of the work taken, he must arrange to have a statement of his grades sent to the Registrar by the educational body issuing the diploma or certificate.

### 3. Admission with Advanced Standing:

(a) **Senior Matriculation:** A student, qualified for admission, who has passed Grade XIII (Senior Matriculation) Examinations of British Columbia or their equivalent, may be given credit in the subjects passed, but only in the First Year in the Faculty of Arts and Science, the Faculty and College of Education, or the Faculty of Agriculture, and only insofar as these subjects meet the requirements of the First Year. No credit will be given for Senior Matriculation subjects passed subsequent to completion of First Year, nor will subjects of the First Year completed prior to subjects of Senior Matriculation be transferred to a higher year.

(b) **Other Universities:** A student of another university or college applying for admission or for exemption in any subject or subjects is required to submit to the Registrar an official transcript of his record at the other university or college showing the subjects taken with the standing obtained in each.

4. **Students from Other Countries:** A student from a country where English is not the common language must satisfy the Registrar that his knowledge of English is adequate to permit the successful pursuit of his studies.

### 5. Limitation of Attendance:

(a) The College reserves the right to limit attendance, and to limit the registration in, or to cancel or revise any of the courses listed. The curricula described in the following pages may also be changed from time to time, as deemed advisable by the Senate of the University.

(b) Except in special circumstances, no student under the age of sixteen is admitted to the College.

6. **Matriculation Requirements:** The High School Graduation (University Programme) and Grade XIII (Senior Matriculation) Examinations of the Province of British Columbia are arranged by the High School and University Matriculation Board of the Province. All enquiries relating to these examinations should be addressed to Executive Secretary of the High School and University Matriculation Board, Division of Examination, Department of Education, Victoria, B.C.

Students from outside of British Columbia must present evidence that their studies have been in an approved university entrance programme of their own province, state or country and, in addition, must meet all the subject matter and standing requirements of university matriculation as determined by the University of British Columbia.

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## REGISTRATION

1. **Registration for New Students:** As a preliminary step, a student applying for registration for the first time in the College must obtain from the Registrar's office an Application for Admission form. The completed form, together with necessary certificates and a recent passport-type photograph of the applicant, should be submitted by September 1st in the case of a student proposing to attend the Winter Session and by May 15th for the Summer Session. Following receipt of this form the applicant will, in due course, be advised with respect to his admission and standing, and, if eligible, given instruction on procedure for completing registration.

2. **Re-Registration:** A student in the regular Winter Session will be sent an application for Re-Registration which should be completed and returned as early as possible before September 1st.

**Change of Programme:** A student who wishes to transfer to another Faculty or School within the College should notify the Registrar of his intention as early as possible.

**Supplemental Examinations:** If the results of supplemental examinations affect the eligibility of a student, he should obtain the results of the supplementals prior to application for re-registration.

3. **Completion of Registration:** Registration for new students must be completed in person during the period September 8th to September 17th; for all other students between September 8th and September 19th. Assessed fees are due and payable at the time of registration. No student will be permitted to complete registration until such fees have been paid.

Each student is required as part of his first application to furnish the information necessary for the College record, and to sign the following declaration:

"I hereby accept and submit myself to the statutes, rules and regulations, and ordinances of Victoria College, and of the faculty in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

In the information furnished for the College records, the student is requested to indicate his religious denomination. This information is available upon request to the representatives of the denominations.

4. **Change in Registration:** A student desiring to make a change in the programme of courses for which he has registered must apply to the Registrar's office. Except in special circumstances, no change will be permitted after October 1st.

All other pertinent changes, including those in address and telephone number, must be reported promptly to the Registrar's office.

5. **Student Responsibility:** Each student is responsible for the completeness and accuracy of his registration. He must ensure that there is no discrepancy between the programme he is following and that entered on his course card in the Registrar's office.

A student may not take courses for which he has not registered, and may not drop courses without permission.

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## CLASSIFICATION OF UNDERGRADUATE STUDENTS

1. **Full Undergraduate:** a student proceeding to a degree in any faculty, who has passed all the examinations precedent to the year in which he is registered.

2. **Conditioned Undergraduate:** a student proceeding to a degree with defects in his standing which do not prevent his entering a higher year under the regulations governing Examinations and Advancement of the faculty in which he is registered.

3. **Occasional Student:** a student who, although he may not have fully satisfied the admission requirements of the College, has been granted permission to enrol in certain courses and attend classes on the understanding that he will not be entitled to credit towards a degree for any work taken.

This category includes the student who, because of maturity, has been permitted to enrol in spite of deficiencies in his formal academic record. In the event that he obtains sufficiently high standing and indicates his desire to proceed to a degree, he may later be given credit by the faculty concerned for all or part of the work taken.

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## ATTENDANCE

1. **Attendance at Lectures:** A student is required to attend at least seven-eighths of the lectures in each course for which he is enrolled. Admission to a lecture or laboratory and credit for attendance may be refused by the instructor for lateness, misconduct, inattention or neglect of duty.

2. **Deficient Attendance:** In case of deficient attendance a student may (with the sanction of the Principal and the head of the department concerned) be excluded from the Christmas or the final examination in a course; but, in the case of a final examination, unless the unexcused absences exceed one-fourth of the total number of lectures in a course, the student may be permitted to sit for the supplemental examination.

3. **Absence Consequent on Illness or Domestic Affliction:** Absences may be excused only by the Principal and medical certificates or other evidence must be presented.

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## WITHDRAWAL

Any student who after registration decides to withdraw from the College must report to the Registrar's office. He will be required to obtain clearance from the College, to the satisfaction of the Registrar, before being granted Honourable Dismissal or recommended, where applicable, for refund of fees.

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## SUPPLEMENTAL EXAMINATION CENTRES

Supplemental examinations may be written in August at the following British Columbia centres: Cranbrook, Dawson Creek, Kamloops, Kitimat, Ocean Falls, Penticton, Powell River, Prince George, Prince Rupert, Trail, Vancouver; and at Whitehorse, Y.T. Other centres outside of British Columbia are restricted to universities or their affiliated colleges.

In unusual circumstances a student working in a remote area may be permitted to write supplemental examinations at a special centre if satisfactory arrangements can be made. Since permission is contingent on completion of arrangements only early applications will be considered.

Supplemental examinations for Summer Session students are held on the second day of the Summer Session at the College. Arrangements may be made for these examinations to be held at the University.

The fee for each supplemental examination written at the College is \$7.50; at a regular B.C. centre, \$10.00; at a special centre, \$20.00.

Applications for supplemental examinations in respect of the Winter Session examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

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## RE-READING OF EXAMINATION PAPERS

Re-readings, where permitted by the faculty concerned, are governed by the following regulations:

1. Any request for the re-reading of an answer paper other than for a supplemental examination (in which a request for a re-reading will not be granted), must reach the Registrar within two weeks after the announcement of examination results and must be accompanied by a fee for each paper of \$5.00, which will be refunded only if the mark is raised.

2. Each applicant for a re-reading must state clearly why he believes the content of his paper to deserve a mark higher than it received; pleas on compassionate grounds should not form part of this statement and prospective applicants should remember that a paper with less than a passing mark has been read at least a second time before results are announced.

3. Re-readings will not be permitted in more than two papers (6 units) in the work of one academic year, and in one paper (3 units) in a partial course of 9 units or less or in the work of one Summer Session.

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## FEES

1. The College reserves the right to make changes without notice in its published schedule of fees.

2. All cheques must be certified and made payable to "Victoria College."
3. In the Winter Session, undergraduate students taking not less than 12 units are subject to the same fees as full-time students.
4. The schedules below for full-time and partial students give fees payable by students in each Winter Session, including the "Alma Mater" fee.
5. The Alma Mater fee, authorized by Victoria College Council, is exacted from all students in the Winter Session for the support of the Alma Mater Society. This fee is \$13.00 for all students.
6. In the Winter Session, no refund will be made for first term fees after October 31st, and for second term fees after January 30th. In the computation of refunds prior to these dates an amount of \$10.00 will be charged for each week, or part of a week, prior to the date on which the student notifies the Registrar officially of his cancellation of registration, or his withdrawal from the College. Application for a refund must be made to the Accountant within a two-week period after the student has discontinued his work.
7. The first term fees must be fully paid before registration is accepted. Students are not entitled to admission to classes until they have registered. The second term fees become due and payable in full on the first day of lectures of the second term.
8. Fees are not transferable from one session to another.
9. The holder of a scholarship or bursary issued by or through the College must pay the balance of the first term fees on registration, if the first instalment of the scholarship or busary is less than the first term fees; if the second instalment is less than the second term fees, he must pay the difference on or before the first day of lectures in the second term. If the first instalment of a scholarship or bursary exceeds the first term fees, the balance will be applied to the second term fees.
10. A student whose second term fees are not fully paid by January 16th will be excluded from classes and his registration cancelled.
11. If a student, whose registration has been cancelled because of non-payment of fees, applies for reinstatement and his reinstatement has been approved by the Principal, he will be required to pay a reinstatement fee of \$10.00 together with all other outstanding fees before he is permitted to resume classes.
12. When permission to register late is granted a late fee of \$20.00, additional to all other fees, will be charged. This fee must be paid at the time of registration together with the first term fees.
13. Students who incur Library fines will receive bills payable to the Accountant.
14. All students registering for Chemistry are required to pay \$3.00 Chemistry Laboratory fee.
15. Students in the College of Education are required to purchase, through the College, gymnasium equipment costing approximately \$6.00.

### Full-time Students

First Term Fees—Payable in full at the time of registration.

Second Term Fees—Payable in full on or before the first day of lectures in the second term.

Faculty and Course:	1st Term	2nd Term	Total
Arts and Science (B.A. or B.Sc.) .....	\$125.00	\$110.00	\$235.00
Commerce (B.Com.) .....	150.00	135.00	285.00
Education (B.Ed.) .....	125.00	110.00	235.00

### Partial Students

1. For a course of 12 units or more:

The same as for full-time students.

2. For a course of less than 12 units:

First Term—Fully payable at the time of registration:

Alma Mater fee .....	\$13.00
Sessional fee per unit .....	9.00

Second Term—Fully payable on the first day of lectures of the second term:

Sessional fee per unit .....	8.00
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### Extra-Sessional Courses

First Term—Fully payable at the time of registration:

Sessional fee per unit .....\$ 9.00

Second Term—Fully payable on the first day of lectures of the second term:

Sessional fee per unit ..... 8.00

### Special Fees

For late registration, Winter Session .....	\$20.00
For late registration, Extra-Sessional or Summer Session .....	5.00
For reinstatement after cancellation of registration .....	10.00
Regular supplemental examination, per paper .....	7.50
Supplemental examination at regular B.C. centres, per paper .....	10.00
Supplemental examination at special centres, per paper .....	20.00
Re-reading, per paper .....	5.00

### Summer Session

Fees payable on registration:

Per unit .....\$17.00

Summer Session Association ..... 2.00

Fees for Transcripts of Academic Record: First three free of charge; additional Transcripts three for \$1.00.

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## SCHOLARSHIPS AND PRIZES

### General Regulations

To be eligible for a general proficiency scholarship a student must take the full year's course, which must include the required courses for the year in which he is registered. Where credit has already been obtained in a required subject, however, another course may be substituted, with the permission of Faculty.

The standing of students taking more than the required number of units will be determined on the basis of the required number of units to be chosen in a manner most advantageous to the students.

The Committee on Prizes and Scholarships reserves the right to limit the amount of money retained by a student and/or to reassign scholarships (by reversion).

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**PERCY H. ELLIOTT MEMORIAL SCHOLARSHIP**—One hundred and thirty dollars (\$130) awarded to a student of outstanding merit and promise in one specific field of study, who has also a high general academic standing, and qualities of character indicating worthiness to hold the scholarship. The scholarship is awarded, upon the recommendation of a Staff Committee, to a student in the First or Second Year and, unless service in the Armed Forces intervenes, proceeding immediately towards a University degree.

**ROYAL INSTITUTION AND FRANK EATON MEMORIAL SCHOLARSHIP**—Fifty dollars (\$50) awarded to the student taking the highest standing in English of the second year.

**ALLIANCE FRANCAISE PRIZE**—One hundred dollars (\$100) awarded to the student in the second year who has made the most progress in French and who intends to continue university work in this subject.

**T. EATON COMPANY (Canada) LTD. SCHOLARSHIP**—Two hundred dollars (\$200) awarded to a first year student of high standing in Mathematics 101 or 120, and, preferably, with a first-class average. The winner must continue at Victoria College.

**KIWANIS SCHOLARSHIP**—Two hundred and fifty dollars (\$250) awarded to a man student completing the first year and entering the second year at Victoria College. Selection of the recipient to be made by the Kiwanis Club of Victoria in conference with the College Faculty.

QUITA NICHOL BURSARIES—Two hundred dollars (\$200) donated annually to Victoria College by Mrs. W. C. Nichol, to provide scholarships in first and second year French. Two prizes of \$100 and \$50, respectively, will be awarded in the first year, and one prize of \$50 in the second year. These prizes are normally awarded on merit, but, if necessary, special circumstances may be taken into consideration. Students must continue at Victoria College for their second year or the University of British Columbia for their third year.

UNIVERSITY WOMEN'S CLUB SCHOLARSHIP—Two hundred dollars (\$200) awarded to the woman student taking the highest standing in her first year of Arts and Science, and continuing her course in the second year at Victoria College or at any other university, provided the course desired is not available at Victoria College. When a student wishes to attend a university outside Canada, the reasons for such attendance should be submitted to the Executive of the University Women's Club for approval.

THE KATHLEEN AGNEW SCHOLARSHIP—One hundred and fifty dollars (\$150) donated for the purpose of stimulating the study of the History of Canada.

HUDSON'S BAY COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded to the student taking the highest standing in Economics 200, and continuing his university studies without interruption.

SIDNEY ROOFING AND PAPER COMPANY SCHOLARSHIP—Two hundred and fifty dollars (\$250) awarded to the leading student of the second year, on condition that he continues his university studies without interruption in the third year.

\*THE CANADIAN LEGION, B.E.S.L. (VICTORIA, B.C.) SIR PERCY LAKE MEMORIAL SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to a worthy student of Victoria College on the recommendation of the Faculty. To be eligible, a student must be a veteran of World War II, or a son or daughter of a veteran of World War II or World War I, or the wife or widow of a veteran of World War II, and must continue his or her studies.

THE BRITISH AMERICA PAINT COMPANY SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leader of Second Year Chemistry.

VICTORIA GYRO CLUB SCHOLARSHIP—Two hundred dollars (\$200) awarded annually to a male student completing his first year at Victoria College. The recipient is to be selected annually by a committee of the Gyro Club, upon the recommendation of the Principal of Victoria College, on the basis of qualities of leadership, distinction of mind, and merit in games.

\*VICTORIA MUNICIPAL CHAPTER IMPERIAL ORDER OF THE DAUGHTERS OF THE EMPIRE SCHOLARSHIP—Fifty dollars (\$50) awarded annually to a first year student who is the child of a veteran of World War I or World War II. The recipient of the Scholarship must be recommended for general proficiency and worth by the College Faculty, and must continue university work into the second year.

THE BRITISH COLUMBIA ELECTRIC COMPANY, LIMITED, SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded to the student with the highest standing who is proceeding, without interruption, to the First Year of Applied Science.

KINSMEN CLUB OF VICTORIA SCHOLARSHIP—One hundred dollars (\$100) awarded annually to a student of Victoria College. The recipient is to be selected by a committee of the Kinsmen Club, on the basis of outstanding scholastic ability and promise, upon the recommendation of the College Faculty.

ESTHER PEARCE MEMORIAL PRIZE—Fifty dollars (\$50) awarded annually by Chapter N, P.E.O. Sisterhood, to a woman student in First Year for excellence in English.

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\* To be applied for on forms obtainable at the Counselling Office or Registrar's Office. Applications must be submitted not later than the last day of the final examinations.

**JOHN WESLEY AND EMILY E. CHURCH MEMORIAL SCHOLARSHIP**—One hundred dollars (\$100) awarded annually by Mr. W. J. V. Church and Mr. C. A. J. Church to the student winning highest standing in Latin (Latin 90 or Latin 110 or 120), or in Greek, or in Latin and Greek, in the first year, and continuing with the subject (or the subjects) in the second year at Victoria College.

**\*KER SCHOLARSHIP**—One hundred and twenty-five dollars (\$125) awarded to a student in the first year who is proceeding to the second year either at Victoria College or a Canadian university. The applicant must have been a cadet (Sea, Army or Air) for at least two years during his last three years of high school. If there be no such applicant, the Committee on Prizes and Scholarships may recommend for the award a student who has satisfactorily completed first or second year at Victoria College and is enrolled for service in one of the University training units. Application, together with a certificate from the Cadet unit concerned, must be made not later than April 30th. Selection of the winner is to be made by Faculty in consultation with the donor, Mr. R. H. B. Ker.

**LIONS CLUB SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to the student obtaining the highest standing in Zoology 105 or Botany 105 and Chemistry 101 or 102, and continuing similar work in the Second Year at Victoria College.

**BRITISH COLUMBIA CEMENT COMPANY, LIMITED, SCHOLARSHIP**—One hundred dollars (\$100) awarded annually to the student in First Year who obtains the highest standing in Chemistry and who intends to continue studies at Victoria College or at any other university.

**THE ARTHUR S. DENNY SCHOLARSHIP**—One hundred dollars (\$100) awarded annually by the Standard Furniture Company to the leader of the First Year Commerce Course proceeding to Second Year Commerce at the University of British Columbia.

**THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED PROFICIENCY SCHOLARSHIPS**—Five scholarships of \$200 each, the gift of the British Columbia Electric Company Limited, will be awarded annually to students of the University or Victoria College, who are proceeding to further undergraduate work in any faculty of this University. These awards will be made, on the basis of proficiency, to students with outstanding records of scholastic achievement.

**ROBERT V. ANDERTON MEMORIAL SCHOLARSHIP**—The Camosun Gyro Club of Victoria will present a scholarship in the amount of \$50 annually in memory of Bob Anderton, formerly a member of the Club, to a promising and deserving student of the First Year at Victoria College going into Second Year. The selection of the candidate shall be left to the discretion of the Victoria College Scholarship Committee.

**THE MADAME SANDERSON MEMORIAL SCHOLARSHIP**—Fifty dollars (\$50) offered annually to a promising student of Victoria College for excellence in English and French of the Second Year.

**THE BRITISH COLUMBIA TELEPHONE COMPANY SCHOLARSHIP**—One hundred dollars (\$100) awarded to a student of First or Second Year for excellence in Physics. The winner must continue University studies.

**THE BENNY NICHOLAS MEMORIAL AWARD**—One hundred dollars (\$100) presented annually by the Victoria Daily Times to the student who submits the best essay, poem, play or article.

**THE ISLAND TUG AND BARGE, LIMITED, SCHOLARSHIP**—One hundred and fifty dollars (\$150) awarded annually to the student leading courses numbered 200 in any two of the following departments: Botany, Chemistry, Geography, Geology, Mathematics, Physics, Zoology. The winner must continue his academic work at an approved university.

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\* To be applied for on forms obtainable at the Counselling Office or Registrar's Office. Applications must be submitted not later than the last day of the final examinations.

- VICTORIA MUNICIPAL CHAPTER, I.O.D.E., GOLDEN JUBILEE SCHOLARSHIP—One hundred dollars (\$100) awarded to the top Second Year student in Canadian History.
- THE FRED SPENCER SCHOLARSHIP—One hundred dollars (\$100) presented annually by Spencer's Stores Limited to an outstanding First Year Student who is planning a business career and who is either continuing his studies at a recognized university or is articled to a chartered accountant. The candidate is to be selected by the Victoria College Committee on Prizes and Scholarships.
- THE VANCOUVER ISLAND BRANCH, ENGINEERING INSTITUTE OF CANADA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to an outstanding student proceeding into Engineering at an approved university. The award is to be made by the Committee on Prizes and Scholarships at Victoria College.
- THE VICTORIA COUNCIL, UNITED COMMERCIAL TRAVELLERS OF AMERICA, SCHOLARSHIP—One hundred dollars (\$100) awarded annually to the leading student of the Humanities in the Second Year. The winner must continue university studies.
- THE YORKSHIRE AND CANADIAN TRUST LIMITED SCHOLARSHIP—One hundred and seventy-five dollars (\$175) awarded annually to an outstanding student of Victoria College who is registered in the College of Education. The winner must be continuing university studies leading to a B.Ed. degree. Selection will be made by the Committee on Prizes and Scholarships at Victoria College.
- THE YARROWS LIMITED BURSARY—One hundred and fifty dollars (\$150) awarded annually to a very worthy student continuing university studies, with preference given to a student planning to take up engineering as a profession.
- THE ALAN PRATT MEMORIAL SCHOLARSHIP—One hundred dollars (\$100) awarded annually to a student with broad interests completing Second Year.
- THE HON. AND MRS. G. R. PEARKES PRIZE—Fifty dollars (\$50) to be awarded annually by the Hon. and Mrs. Pearkes to the student who has taken Service Training and has highest academic standing among those returning to Victoria College.
- \*THE HUDSON'S BAY COMPANY SCHOLARSHIP—Three hundred dollars (\$300) and guaranteed summer employment will be offered annually to a student in his final year at Victoria College on the basis of academic standing, ability and aptitude, and personal qualities, who is interested in a career in merchandising. Application forms must be completed by all candidates not later than February 15.
- THE HAROLD M. DIGGON MEMORIAL BURSARY—Two hundred dollars (\$200) to be awarded annually by Mrs. Lucy E. Diggon to a promising and deserving student of the Humanities who has completed Second Year at Victoria College and who intends to continue University studies.
- THE ROSALIND W. YOUNG SCHOLARSHIP—One hundred dollars (\$100) to be awarded annually by the University Women's Club of Victoria to the leading woman in First Year Education who is continuing University studies.
- VICTORIA UNIT NO. 12, ARMY, NAVY AND AIR FORCE VETERANS IN CANADA, GENERAL PROFICIENCY SCHOLARSHIPS—Two scholarships of one hundred dollars (\$100) each, to be awarded annually to students registered in First or Second Year at Victoria College. Selection will be made by the Victoria College Scholarship Committee on the basis of applications submitted after registration has been completed at the beginning of each academic year. Preference will be given to sons and daughters of veterans and particularly of those of the Army, Navy and Air Force Veterans Association, also to those who are not in receipt of any other scholarships.
- THE LADIES' AUXILIARY OF VICTORIA UNIT No. 12, ARMY, NAVY AND AIR FORCE VETERANS OF CANADA, GENERAL PROFICIENCY SCHOLARSHIPS—Two scholarships of one hundred dollars (\$100) each to be awarded annually to a deserving woman and to a deserving man completing First Year and continuing University studies.

THE P. H. B. DAWSON BURSARY—Two hundred dollars (\$200) awarded annually by Mr. P. H. B. Dawson to an outstanding student of Victoria College who intends to continue University studies.

THE G. H. WHEATON, LIMITED, SCHOLARSHIP—One hundred and fifty dollars (\$150) awarded annually to a deserving student entering or attending Victoria College.

THE WESTON BAKERIES, LIMITED. SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to a deserving student completing First or Second Year at Victoria College and continuing University studies.

THE WOODWARD STORES, LIMITED. SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to an outstanding student completing First or Second Year at Victoria College and continuing University studies.

THE CLEARIHUE BURSARY—Three hundred dollars (\$300) awarded annually by Judge and Mrs. J. B. Clearihue to a promising and deserving student in the College of Education, who shows promise and has at least a good second class average.

THE VICTORIA MEDICAL SOCIETY SCHOLARSHIP—Two hundred and fifty dollars (\$250) to be awarded annually to a Second Year student of outstanding merit and promise, who has a high general academic standing and qualities of character indicating worthiness to hold the scholarship. Selection of the student will be made by the Faculty of Victoria College.

RITHET CONSOLIDATED LIMITED BURSARY—One hundred dollars (\$100) to be offered to a promising student registered at Victoria College and continuing academic studies. Selection of the student will be made by the Faculty Committee on Prizes and Scholarships.

THE BRITISH COLUMBIA TEACHERS' FEDERATION SCHOLARSHIPS IN TEACHER TRAINING—The following scholarships, the gift of the British Columbia Teachers' Federation, are offered annually to students proceeding to a degree or certificate in the field of elementary or secondary school teaching.

- (1) Two scholarships of \$250 each, available to students continuing in the College of Education, either in Vancouver or Victoria, from Senior Matriculation or First Year University.
- (2) Two scholarships of \$250 each, available to students continuing in the Third Year in the College of Education. Students from Victoria College are eligible for these awards.

All awards will be made on the basis of academic standing, personal qualities, and aptitude for an interest in teaching. To be eligible for the scholarships in (2) above, students must have achieved First Class standing in practice teaching. Applications, on forms available from the Dean of Administrative and Inter-Faculty Affairs, must be submitted to the University not later than June 30th.

THE DR. H. B. KING MEMORIAL SCHOLARSHIP IN EDUCATION—This scholarship of \$150 has been established by the British Columbia School Inspectors' Association as a memorial to Dr. H. B. King, who from 1939 to 1945 was Chief Inspector of Schools for British Columbia. For many years prior to 1939 Dr. King also served the Province of British Columbia with distinction and devotion as a teacher and principal, and as technical adviser with the Department of Education. This scholarship will be awarded to a student who is proceeding to a degree or certificate in the teaching field and is taking a full course in the Second Year at the College of Education (Vancouver or Victoria). The award will be made on the basis of academic standing, personal qualities, interest and participation in school and community affairs, aptitude for teaching, and other factors. Applications, on forms obtainable from the Dean of Administrative and Inter-Faculty Affairs must be submitted to the University not later than June 30th.

FRANCIS GOLD WRIST WATCH—To be presented each year by F. W. Francis, Ltd., to the student obtaining the highest average on the Sessional Examinations, with the provision that no student win it more than once.

**BIRKS GOLD WATCH**—Offered by Henry Birks & Sons (B.C.) Ltd., of Victoria, and awarded annually to a first-class student who has, in the opinion of the committee on Prizes and Scholarships, made a valuable contribution to student life.

The following scholarships are open to students who have completed University Entrance and are proceeding to Victoria College.

**CECILIA GREEN MEMORIAL SCHOLARSHIP**—One hundred dollars (\$100) awarded to the first ranking student from Victoria High School in the University Entrance Examinations who has not already merited another award. The recipient must attend Victoria College or the University of British Columbia.

**VICTORIA WOMEN'S CANADIAN CLUB SCHOLARSHIPS**—(1) One hundred and fifty dollars (\$150) awarded to the female student attending a public high school in Greater Victoria School District (No. 61) who makes the highest standing in the University Entrance Examination, held in June, and registering for a full first year course in Victoria College or the University of British Columbia, the following September.

(2) One hundred and fifty dollars (\$150) awarded to the male student in Greater Victoria School District making the highest standing in the same examination and under the same conditions. Should the student, in either case, be awarded a scholarship from any other source, the Club Scholarships shall then revert to the student having the next highest standing.

**UNIVERSITY SCHOLARSHIPS FOR UNIVERSITY ENTRANCE.** School District No. 61, and School Districts Nos. 62-74—Two general proficiency scholarships of two hundred and twenty-five dollars (\$225) will be awarded on the results of the High School Graduation (University Programme) Examinations. The winners must attend either the University of British Columbia or Victoria College (District 61-66 only).

**THE CHRIS SPENCER FOUNDATION SCHOLARSHIPS FOR UNIVERSITY ENTRANCE**—Two scholarships of \$275 each, the gift of the Chris Spencer Foundation, will be awarded to the candidates selected by the University to receive the University Scholarships for University Entrance described above. Through this gift each of the winners will therefore receive a total scholarship of \$500. These supplementary scholarships are subject to the same conditions and regulations as those governing the University Scholarships for University Entrance.

**THE CHRIS SPENCER FOUNDATION SPECIAL SCHOLARSHIPS**—Two scholarships, each of the value of \$500 a year and renewable annually for a maximum of five years (to a total of \$2500), are offered to students entering the University of British Columbia or Victoria College from Grades XII or XIII and proceeding to a degree at this University. These scholarships, the gift of Chris Spencer Foundation, are available only to students whose ordinary private domicile, home, or residence is in the province of British Columbia. Applicants will require high scholastic standing. They will be considered, not only on the basis of this standing, but also on their interest and participation in activities such as sports, student government, youth groups in and out of school, and fine arts and music. Special attention will be given to the qualities developed through these activities and of indication during the period of high school, of moral force of character and of instincts to lead and take an interest in classmates. Students holding these scholarships in any year of their course will be permitted to retain them for the following year only provided they obtain an average of at least 80% in the Sessional examinations or rank in the upper 10% of their class (i.e. the year and faculty in which they are registered). Selection of applicants will be made by a committee representing the Foundation and the University. Applications, on forms obtainable from the office of the Dean of Administrative and Inter-Faculty Affairs, should be received by April 15th, and cannot be accepted after May 1st.

**THE BRITISH COLUMBIA ELECTRIC COMPANY LIMITED SPECIAL SCHOLARSHIPS**—Five scholarships of \$200 each are offered annually by the British Columbia Electric Company Limited to sons and daughters of employees of the Company who are beginning or continuing their undergraduate studies in

any faculty at the University. Winners of scholarships, however, whose homes are in Victoria or its vicinity may, if they wish, attend Victoria College. These scholarships will be awarded on the recommendation of the Joint Faculty Committee on Prizes, Scholarships and Bursaries to applicants who have outstanding records of scholastic achievement and are deserving of financial assistance. Application must be made to the Dean of Administrative and Inter-Faculty Affairs not later than August 1st. Applications should state particulars of family service with the Company.

**BRITISH COLUMBIA FOREST PRODUCTS LIMITED SCHOLARSHIPS**—British Columbia Forest Products Limited offers annually fourteen one-year scholarships of \$300 each to legal dependents of employees who, by June 15th of the year in which the award is made, have served with the Company for at least one year. They are open to students proceeding from Grade XII (High School Graduation, University Programme) or Grade XIII (Senior Matriculation) to the University of British Columbia. Residents of Vancouver Island may attend Victoria College. The scholarships will be awarded to the applicants who, in the opinion of the University, have the most outstanding scholastic records. Students intending to compete for these scholarships must apply to the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia, Vancouver 8, B.C., before June 15th.

**U.B.C. ALUMNI ASSOCIATION REGIONAL SCHOLARSHIPS**—Alumni contributions to the Annual Giving Programme of the U.B.C. Development Fund have made possible the establishment of twelve regional U.B.C. Alumni Association Scholarships of \$250 each. These scholarships are available for students proceeding from Grade XII (High School Graduation, University Programme) or Grade XIII (Senior Matriculation) to the University of British Columbia or Victoria College. One scholarship will be awarded in each of the following regions: (1) East Kootenay; (2) West Kootenay; (3) South Okanagan and Boundary; (4) North Okanagan and Thompson; (5) Skeena; (6) North Central B.C.; (7) Greater Vancouver and Howe Sound; (8) New Westminster and Fraser Valley; (9) Greater Victoria and Lower Vancouver Island; (10) Upper Vancouver Island and Powell River. Two other scholarships will be awarded at large. Winners will be selected by a special committee representing the University and the Alumni Association. Application forms may be obtained from Dean Walter H. Gage, University of B.C., Vancouver 8, B.C., and completed application forms should be received by April 15th, and cannot be accepted after May 1st. All applicants must write a full set of High School Graduation (University Programme) or Grade XIII (Senior Matriculation) examinations conducted by the Department of Education, British Columbia, in June.

**THE VANCOUVER SUN SCHOLARSHIPS FOR CARRIERS**—The Vancouver Sun offers annually two scholarships of \$100 each to students from Grade XII entering the First Year of Faculty of Arts and Science, Agriculture or Education at the University of British Columbia. The terms of the scholarships require that applicants must have been carriers of The Vancouver Sun for at least two years. The scholarships will be awarded to the two applicants who rank highest on the basis of the marks obtained in any year on the written examinations in the scholarship subjects of High School Graduation (University Programme), conducted by the Department of Education in June. The selection of the winners will be made by the University, and applications, accompanied by the service certificate of The Vancouver Sun, must be forwarded to the Dean of Administrative and Inter-Faculty Affairs not later than September 10th. Winners of these scholarships who obtain and maintain First Class standing in succeeding years of their undergraduate course will be eligible until graduation, up to a total of five payments in all, for extra grants of \$400 each year. The winning of this scholarship will not preclude the holder from enjoying the proceeds of another award.

**THE YARROWS LIMITED ENTRANCE SCHOLARSHIP**—A scholarship of \$1000 for sons, daughters, or legal dependents of employees of Yarrows Limited, Victoria, is offered annually under terms and conditions identical to those of the Burrard Dry Dock Company Limited Scholarship. If the winner so desires, however, attendance at Victoria College will be accepted in lieu of attendance at the University for the first and/or second year of university studies. Candidates

must apply on special forms which may be obtained from, and must be returned to, Yarrows Limited before May 30th. Selection of the winner will be made by the University in consultation with Victoria College.

#### HON. W. C. WOODWARD UNIVERSITY MEMORIAL SCHOLARSHIPS—

Two scholarships, each of the value of \$500 and renewable annually in the same amount at the beginning of each undergraduate year (up to a maximum of five payments in all) are offered in competition to sons, daughters, and legal dependents of full-time employees, of retired employees, and of deceased employees (who died while in the service of the Company) of Woodward Stores. These scholarships are open to applicants beginning University attendance for the first time and entering the University of British Columbia (or Victoria College) from Grade XII or XIII of secondary school (or from any other source, provided they are qualified for admission). Applicants must be proceeding, in any faculty, to a full course leading to a degree. Candidates, who must apply not later than May 30th on special forms obtainable from the Personnel Department of any Woodward store, will be considered on the basis of (a) academic standing; (b) activity and interest in youth programmes and organizations (within the school and community); and (c) personal qualities, character, and demonstration, during attendance at school, of citizenship, leadership, and service. Renewals are subject to maintenance of satisfactory standing, progress, and conduct.

#### CANADIAN LEGION (BRITISH COLUMBIA COMMAND) SCHOLARSHIPS—

The Canadian Legion (British Columbia Command), British Empire Service League, offers annually a number of scholarships for students proceeding from high school to University. These scholarships are awarded on the basis of academic standing, financial need, and participation and achievement in student and community affairs. Preference is given to sons and daughters of deceased, disabled, or other veterans, but applications from other worthy students are also considered. Further information may be obtained from The Provincial Secretary, Canadian Legion, B.E.S.L., 1531 West Pender St., Vancouver, B.C.

#### THE I.O.D.E. SECOND WAR MEMORIAL BURSARIES—

These bursaries were established as a memorial to Canadian men and women who gave their lives in the Second World War. They are open to sons and daughters, resident in Canada, whose fathers or mothers, having served during World War II in the Navy, Army, Air Force or Merchant Navy of the British Empire and Commonwealth, suffered death or permanent and serious disability because of the service. Provided there are suitable candidates, fifteen bursaries will be offered across Canada. Each bursary has the value of \$400 a year for four years, renewal each year being subject to satisfactory standing. Awards will be made to candidates who meet the entrance requirements of the university of their choice. **To be eligible applicants must write the departmental examinations of their province.** Application forms and further information may be obtained from the Provincial Educational Secretary, I.O.D.E., Room 308, at 402 West Pender St., Vancouver 3, B.C. Applications must be submitted by March 1st.

#### LEONARD FOUNDATION SCHOLARSHIPS—

This National Foundation awards each year a number of scholarships for which students of the College are eligible. Application forms and further information may be secured from the Registrar or from Dean F. H. Soward, University of British Columbia, a member of the General Committee of the Foundation. These forms should be forwarded to the Honorary Secretary of the Foundation, c/o Toronto General Trusts Corporation, 253 Bay Street, Toronto, not later than March 31st of each year. Whenever possible, these applications should be filed in February. The awards are made at the annual meeting of the General Committee on the last Friday in May.

#### MacMILLAN & BLOEDEL LIMITED SCHOLARSHIPS—

Six scholarships of \$400 each, one in each of School Districts 65 (Duncan-Cowichan), 67 (Ladysmith-Chemainus), 68 (Nanaimo), 69 (Qualicum), 70 (Alberni), and 79 (Ucluelet-Tofino) are offered by MacMillan and Bloedel Limited. These scholarships are open to students beginning their studies at the University of British Columbia or affiliated Theological Colleges on the Campus or at Victoria College. Awards will be made on the basis of academic ability and potential leadership, as indicated by grade achievements in Grades XI and XII and participation in school activities. The winner in each school will be chosen in June by a committee con-

sisting of the Principal, Vice-Principal, the Senior Girls' and Senior Boys' Counselors, the Dean of Administrative and Inter-Faculty Affairs of the University (consultative member), and a representative of MacMillan & Bloedel Limited. Further information may be obtained from the Principal of the High School.

## BURSARIES

Department of Education Assistance—In order to assist students of academic merit, who without financial aid cannot proceed with their education beyond the level of the secondary school, the Provincial Government has available money for loans, with Dominion Government participation, and for bursaries:

### Loans:

A student may secure an interest-free loan under the following conditions:

1. By giving evidence of good scholarship (i.e. attach high school or university transcripts of marks).
2. By giving evidence of financial need.
3. By agreeing to repay the loan within three years of the completion of training. Should the loan not be repaid within that period interest will be chargeable at  $4\frac{1}{2}\%$  per annum on the unpaid balance of the loan. If the borrower discontinues training before its completion the loan is repayable beginning immediately and with  $4\frac{1}{2}\%$  interest as from the date of discontinuance. Repayment of all loans must be guaranteed by parent or guardian and one other person.

### Bursaries:

A limited number of bursaries may also be granted to students. These may be granted in lieu of loans or to supplement loans in certain cases where, in the opinion of the committee, good scholarship and financial need may warrant such assistance.

Applications for loans or bursaries, on forms available from the Department of Education, Victoria, B.C., must be submitted not later than August 1st.

Department of Education Assistance for Teacher Training—In view of the fact that the Province of British Columbia needs over 1,700 new teachers annually, the Government of the Province of British Columbia has established a fund to assist men and women of good scholarship, character, aptitude and personality to train for the profession of teaching.

### Loans:

An Education student may secure an interest-free loan under the following conditions:

1. By giving evidence of good scholarship (i.e. attach a copy of high school or university transcripts of marks).
2. By giving evidence of financial need.
3. By agreeing to repay the loan within three years of the completion of training. Should the loan not be repaid within that period interest will be chargeable at  $4\frac{1}{2}\%$  per annum on the unpaid balance of the loan. If the borrower discontinues training before its completion the loan is repayable beginning immediately and with  $4\frac{1}{2}\%$  interest as from the date of discontinuance. Repayment of all loans must be guaranteed by parent or guardian and one other person.
4. By agreeing to teach in the public school system of British Columbia for three years after graduation from teacher training.

### Bursaries:

A limited number of bursaries may also be granted to Education students at the College of Education of the University and at Victoria College. These may be granted in lieu of loans, or to supplement loans in certain cases, where, in the opinion of the committee, good scholarship and financial need may warrant such assistance.

Applications for bursaries or loans, on forms available from the Department of Education, Victoria, B.C., must be submitted not later than August 1st.

**The B.C. Government Employees' Association Bursaries**—Two bursaries of \$150 each, the gift of the B.C. Government Employees' Association, are offered annually to sons and daughters of members, or of deceased members, and to members themselves. They will be awarded, on the basis of scholastic standing and financial need, to students who are beginning or continuing their undergraduate studies at the University of British Columbia or Victoria College. Selection of the winners will be made by the University in consultation with the Association. Further details may be obtained by writing to the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia.

**British Columbia Forest Products Limited Bursaries**—British Columbia Forest Products Limited has made available the sum of \$2500 annually to provide bursaries for legal dependents of employees of the Company, who, by June 15th of the year in which the award is made, have had at least one year's service with the Company. These bursaries are open to undergraduates beginning or continuing a course of study at the University. Residents of Vancouver Island may attend Victoria College. To be eligible, an applicant must have good scholastic standing and financial need. Fuller information and application forms may be obtained from the Dean of Administrative and Inter-Faculty Affairs, University of British Columbia, Vancouver 8, B.C. The application form must state the name and address of the applicant's parent or legal guardian and details of his or her service with the Company. The completed application form must be received by the University not later than August 1st.

**The Khaki University and Young Men's Christian Association Memorial Fund Bursaries**—A sum of money given to the University by the administrators of the Khaki University of Canada provides a fund from which are awarded annually five bursaries of the value of \$100 each, known as the Khaki University and Young Men's Christian Association Memorial Bursaries. Under conditions specified by the donors these bursaries may be used for undergraduate purposes only, and in making the awards a preference is given to the sons and daughters of soldiers of the First Great War. The financial necessities of candidates are also taken into account. To be eligible for an award a soldier's dependent must obtain at least Second Class standing, i.e., 65 per cent.; for all others 75 per cent. is required. Dependents of soldiers and others who have attained the standing as stated above and who are in need of financial assistance should apply not later than August 1st. These bursaries are also open to students from Victoria College proceeding to a course of study in the University.

## STUDENT ASSISTANCE

Victoria College has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, at the rate of \$1.00 per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

# FACULTY OF ARTS AND SCIENCE

## COURSES LEADING TO DEGREE OF B.A.

(Four-year course, two years of which may be taken at Victoria College)

### Registration and Admission

1. Registration must be completed during the period September 8th-19th, as described on pages 10 and 11.

2. After October 1st, except in very special circumstances and with the permission of Faculty, no student may change the programme for which he has registered.

3. All changes in registration must be made by the student at the Registrar's office. A student may not take courses for which he has not registered, and will be considered as having failed in all courses dropped without permission.

### Summer Session and Other Credits

1. Although the degree of B.A. is normally granted on completion of the required units in the Winter Session, credits obtained in Summer Session may be combined with those obtained in Winter Session to complete the required number of units for the B.A. degree. The degree of B.A. will not be granted, however, in less than four years from High School Graduation (University Programme) or three years from Senior Matriculation.

2. The maximum credit for Summer Session work in any one calendar year is 6 units.

3. The maximum credit for work other than that of the Winter and Summer Sessions is 3 units in each academic year, not exceeding a total of 15 units subsequent to Senior Matriculation or First Year.

4. No credit will be granted for work done at other universities in the same academic year in which work has been attempted in this College, whether in the Summer Session, the Winter Session, or otherwise. Extra-mural work done at other universities prior to registration at this College may be accepted, if approved by Faculty, but may not exceed 3 units in respect of any one academic year or a maximum of 15 units subsequent to Senior Matriculation.

5. Students in attendance at the University of British Columbia or the College may not register for extra-mural work to be taken concurrently.

### General Regulations

1. Students who take more than 15 units in the First or Second Year may not receive credit in a higher year for these extra units unless they have previously completed at least 3 units in the year for which they are registered.

2. Subjects credited to one year may not be transferred later to a higher year.

3. Without the special permission of Faculty, no student may take less than 15 units in each Winter Session.

4. No student may take more than 18 units in each Winter Session.

5. Students may not receive University credit for courses passed for High School Graduation whether taken among the required credits or as extra subjects.

6. Students may not continue with work in a higher year, unless they take concurrently all courses required to clear conditions or deficiencies in the lower years. The total of all work taken may not exceed 18 units. They may continue only in subjects for which they have successfully completed the prerequisites.

7. Students are responsible for ensuring that their courses have been chosen in conformity with Calendar regulations.

8. Attention is drawn to regulations concerning Examinations and Advancement, pages 33 and 34.

### First and Second Years

In the First Year a minimum of 15 units is required. In the Second Year of a General Course and of some Honours Courses, at least 15 units are required. In certain Honours Courses, however, 18 units must be taken.

Courses in each of the First and Second Years must be chosen to conform, not only with the rules and regulations in the preceding pages, but also with requirements of the First Year and the Second Year, as set forth in the following tables and notes.

Requirement Designation	FIRST YEAR	Units	Refer to Notes:
A	English 100 and 101	3	.....
B	Language (other than English)	3	1, 2, 4
C	Mathematics 100 or 101 or 120 or additional Language	3	1, 2, 5, 6
D	Elective	3	1, 2, 4, 5, 6
E	Elective	3	1, 2, 4, 5, 6

Requirement Designation	SECOND YEAR	Units	Refer to Notes:
F	English 200	3	.....
G	Language (other than English)	3	1, 3, 4
H	Elective	3	1, 3, 5, 6
I	Elective	3	1, 3, 5, 6
J	Elective	3	1, 3, 5, 6
K	Special Honours Elective	3	1, 3, 6, 7

#### Reference Notes

1. Not more than one course numbered below 100, taken at the University or by Senior Matriculation, may be counted for credit for the B.A. or B.Sc. degree.

2. All courses for First Year credit must be selected from the following list. For prerequisites and other details, see pages 35-42.

Biology 105	History 101, 102
Botany 105	Latin 90, 110 or 120
Chemistry 101 or 102	Mathematics 100, 101 or 120
Economics 100	Philosophy 100
English 100 and 101	Physics 101 or 103
French 110 or 120	Psychology 100
Geography 101	Spanish 90, 110 or 120
German 90, 110 or 120	Zoology 105
Greek 90, 101	

3. All courses for Second Year credit must be selected from the list in Note 2 or from the following additional subjects. For prerequisites and other details consult pages 35-42.

Anthropology 200	German 200
Botany 205	Greek 202
Chemistry 200, 203, 210	History 201, 304
*Commerce 151	Latin 210 or 220
Economics 200, 201	*Mathematics 201, 202, 205, 220, 221
*English 200, 202	Physics 200, 201
French 210 or 220, 223	Psychology 202
Geography 201, 207	Sociology 200
Geology 200	Zoology 202

4. Courses under B and G must be chosen from French, German, Greek, Latin and Spanish. Students must meet these requirements in accordance with one of the following plans:

(i) they may take a language course of the 100 level under B; and a course in the same language of the 200 level under G;

\* Commerce 151 is open only to those students who are permitted to register in the Second Year. English 202 and Mathematics 220, 221 are open only by special permission.

(ii) they may take a language course numbered 90 under B, a course in the same language of the 100 level under G, and, in the same language, a course of the 200 level in the Third and Fourth Year;

(iii) if their courses include at least 12 units of laboratory science or at least 9 units of laboratory science and 6 units of Mathematics, they may take, under B and G respectively, any two of French 110 or 120, 210 or 220, German 90, 110 or 120, 200, Greek 90, 101, 202, Latin 90, 110 or 120, 210 or 220, Spanish 90, 110 or 120. Only one course numbered 90, however, may be selected.

Students whose courses in the combined First and Second Years include 18 units of laboratory science may defer the language of the Second Year to their Third or Fourth Year.

5. The electives C, D, E, H, I, J must be chosen to include each of the following:

(i) at least one laboratory science course chosen from Biology 105, Botany 105, Chemistry 101 or 102, Geography 101, Physics 101 or 103, Zoology 105. A student who takes at least 18 units of languages (other than English) in the combined First and Second Years may, however, defer this science until his Third or Fourth Year;

(ii) at least one course chosen from Anthropology 200, Economics 100, 200, Geography 201, 207, History 101, 102, 201, 304, Philosophy 100, Psychology 100 or Sociology 200. A student who takes at least 12 units of laboratory science courses in the combined First and Second Years may defer this course until his Third or Fourth Year;

(iii) at least one course—not already chosen—from Mathematics 100 or 101 or 120, French 110 or 120, 210 or 220, German 90, 110 or 120, 200, Greek 90, 101, 202, Latin 90, 110 or 120, 210 or 220, Spanish 90, 110 or 120, 201. If a language is chosen it must be additional to the courses required under B and G and in a different language. Before the choice is made, the student should read Note 6 carefully.

6. (i) Mathematics 100 is open only to students who have completed Mathematics 30, but not Mathematics 91, of the high school programme; Mathematics 101 or 120, is open only to those who have completed Mathematics 91 of the high school programme or Mathematics 100. Credit will be given only for one of Mathematics 100, 101, 120; and 100 cannot be taken concurrently with 101 or 120.

(ii) Mathematics 101 or 120 is required for admission to Applied Science (Architecture and Engineering), Forestry, Medicine and Pharmacy.

(iii) In courses leading to the B.A. degree, Mathematics 101 or 120 is required for Bacteriology (all courses except 100), Biology (all courses except 105), Botany (all courses except 105), Chemistry (all courses except 101, 210), Geology, Mathematics (all courses except 100, 201, 203, 205), Physics (all courses except 103), and Zoology (all courses except 105). It is also a prerequisite for majors or Honours in the above subjects and also for Honours in Economics, Philosophy, and Psychology. Mathematics 101 or 120 must precede all these courses except Bacteriology 200, Chemistry 200, and Physics 101, with which it may be taken concurrently.

(iv) In courses leading to the degree of B.A. either Mathematics 100 or 101 or 120 must be taken by students registering for Bacteriology 100, Chemistry 101, Honours or Majors in Geography (but not individual courses), and Honours in Political Science. Unless Mathematics 91 has been completed for High School Graduation, Mathematics 100 must precede, or be taken concurrently with Economics 200, Physics 103.

(v) The requirements in Mathematics for students proceeding to Commerce, Nursing or Social Work, or entering Home Economics or Physical Education, are given in the sections of this Calendar dealing with the curricula of these schools.

7. The special honours elective, which must be chosen from the subjects listed in Notes 2 and 3, need be taken only by students who are proceeding to those Honours Courses which require 18 units in the Second Year. The individual departments should be consulted. See also pages 35-42.

### THIRD AND FOURTH YEARS

The requirements for a B.A. in a General Course and in an Honours Course, single or combined or double, are described in the following sections.

## General Course Curriculum

In the combined Third and Fourth Years a minimum of 30 units, of which at least 15 units must be taken in the Third Year, are required. The following regulations apply:

1. Courses must be selected so as to include two majors in different subjects. In general a major in a subject consists of a 9-unit combination of courses, numbered 300 or higher, in that subject. Each major has a prerequisite course or courses, numbered less than 300, which should be taken in the first two years. Details of majors and prerequisites are given under each subject in which a major is offered. (See pages 27-32).

2. The two majors may not both be selected from different branches of the same subject.

3. In certain cases the prerequisite courses for majors may be taken in the Third Year, but courses thus taken may not be counted as part of the 9 units required for a major.

4. At least 6 units must be taken in a subject or subjects other than those from which the majors are selected.

5. The remaining units required for the combined Third and Fourth Year programme may be selected from courses, not already chosen, which are in the same subjects as the majors or otherwise.

6. Not more than 9 units in courses numbered less than 300 may be counted for credit in the 30 units required in the combined Third and Fourth Years.

## HONOURS CURRICULUM

A student may proceed to the B.A. degree in an Honours Course in a single subject (Single Honours) or in an Honours Course in two subjects. An Honours Course in two subjects may be a four-year course from High School Graduation (Combined Honours) or a five-year course from High School Graduation (Double Honours).

The B.A. in an Honours Course requires the completion of the First and Second Years in conformity with the regulations on pages 24-26. For Single or Combined Honours 51 units are required in the combined Second, Third, and Fourth Years; for Double Honours 66 units are required in the combined Second, Third, Fourth, and Fifth Years. For Single Honours at least 18 of the requisite units in the combined Third and Fourth Years must be taken in the subject concerned and at least 6 units in another subject or subjects.

For regulations governing Honours Courses see University Calendar.

## REQUIREMENTS FOR MAJORS AND HONOURS

### Anthropology

(a) Major—Second Year: Anthropology 200 and Sociology 200, one of which may be taken concurrently with advanced work; Third and Fourth Years: total of 9 units in Anthropology courses numbered 300 or above.

(b) Single Honours—For admission to Third Year, First or high Second Class standing in Anthropology 200 is required, plus a reading knowledge of French, German, Russian, or Spanish.

(c) Combined Honours—See University Calendar.

(d) Five-Year Double Honours—See University Calendar.

### Biochemistry

(a) Single Honours—First and Second Years: Chemistry 101 or 102, 205 (or 200), 300 (or 203 and 303), Mathematics 101 (or 120), 202 (or 220), Physics 101, Zoology 105. Third and Fourth Years: see University Calendar.

(b) Combined Honours—First and Second Years: as for Single Honours. Third and Fourth Years: see University Calendar.

### Biology

(a) Major—First and Second Years: Botany 105, Zoology 105. Third and Fourth Years: total of 9 units in biological courses selected in consultation with the Department.

(b) Single Honours—First Year: Botany 105 or Zoology 105, Chemistry 101 or 102, Mathematics 101 or 120; Second Year: Botany 105 or Zoology 105, Physics 101, Chemistry 200 or 205, Mathematics 202. Third and Fourth Years: see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

### Botany

(a) Major—First and Second Years: Botany 105, and 205; Third and Fourth Years: a total of 9 units in Botany courses numbered 300 or above, approved by Department.

(b) Single Honours—First Year: Botany 105, Chemistry 101 or 102, Mathematics 101 or 120; Second Year: Botany 205, Zoology 105, Physics 101, Chemistry 200 or 205 (replaced by Geology 200 for taxonomy option). For Third and Fourth years: see University Calendar.

(c) Combined Honours—First and Second Years: as for Single Honours.

### Chemistry

(a) Major—First Year: Chemistry 101 or 102, Mathematics 101 or 120, and Physics 101. Second Year: Chemistry 200, Mathematics 202. Physics 200 is strongly recommended. Third and Fourth Years: Chemistry 300, 304 and 310.

(b) Single Honours—First Year: Chemistry 102 (or 101), Mathematics 120 (or 101), Physics 101. Second Year: Chemistry 200, 203; Mathematics 220, 221; Physics 200, 201, and 3 additional units. Third and Fourth Years: see University Calendar.

(c) Honours in Chemistry and Mathematics, Chemistry and Physics, or Combined Honours—First and Second Years: as for Single Honours.

### Criminology

(a) Major—First and Second Years: Psychology 100 and Sociology 200. One of these may be taken concurrently with courses in the Third Year. Third and Fourth Years: Criminology 300, 436, 437.

(b) Single Honours—Prerequisites: for admission to the Third Year: a First or high Second Class standing in Sociology 200 and either Economics 200 or Psychology 100. For Third and Fourth Years see University Calendar.

(c) Combined Honours (Criminology and some other subject): as for Single Honours.

(d) Five-Year Double Honours (Criminology and some other subject) — See University Calendar.

### Economics

(a) Majors—prerequisites: for admission to Third Year, Economics 200 and one of Economics 100, 201. Mathematics 205 and 202 also recommended. Third and Fourth Years: 9 units in courses numbered 300 and above allowed for Economics credit.

(b) Single Honours—prerequisites: for admission to Third Year, a reading knowledge of French, German or Russian; Economics 100, a First or Second Class in Economics 200; Economics 201; Mathematics 101 or 120. Students are reminded that they may take 18 units in their Second Year. They are encouraged to take their laboratory science course in the First Year, and to choose at least one course from the following in their Second Year: Commerce 151, Geography 201, Mathematics 202 or 220, Mathematics 201, Mathematics 205, History 101, 102 or 201, Sociology 200, Anthropology 200. For Third and Fourth Years see University Calendar.

(c) Combined Honours—prerequisites: for admission to Third Year, a reading knowledge of French, German or Russian; a First or Second Class in Economics 200; Economics 201.

(d) Five Year Double Honours: prerequisites and requirements the same as for Single Honours in Economics, except, that Economics 100 is not a compulsory requirement.

### English

(a) Major—First Year: English 100 and 101; Second Year: English 200; Third and Fourth Years: total of 9 units in English courses numbered above 100, chosen in consultation with the Department.

(b) Single Honours—Prerequisites for admission to Third Year include a First or high Second Class mark in English 200, and approval of the Department. In the last three years at least 51 units are required. Second Year: 15 units including English 200.

(c) Combined Honours—as for Single Honours.

### French

(a) Major—First Year: French 120 or satisfactory standing in French 110; Second Year: French 220, or satisfactory standing in French 210; Third and Fourth Years: 9 units of French courses numbered 300 or higher, including 300 and 302.

(b) Single Honours—First Year: French 120 or satisfactory standing in French 110 and one year of Latin (if Latin 92 has not been passed in high school); Second Year: French 220 and 223.

(c) Combined Honours—As for Single Honours.

### Geography

(a) Major—First or Second Year: Geography 101. Third and Fourth Years: total of 9 units in Geography, including one course of the 300 level, one of the 400 level, and a third from either group.

(b) Single Honours—First two years: Geography 101, Mathematics 101 or 120 and two years of a modern language; Geography 201 or 207 recommended in the Second Year for those interested in social sciences.

(c) Combined Honours—See University Calendar.

### Geology

Students who intend to make Geology their profession are advised to take Geological Engineering or an Honours Course leading to the B.Sc. Degree.

(a) Major—In the first two years, English 100, 101; one course of foreign language (German or Russian preferably); Mathematics 101 or 120, and 202; Chemistry 101 or 102; Physics 101; Zoology 105; Geology 200; one of Chemistry 200, 205, or Physics 200; a non-science elective. For Third and Fourth Years see University Calendar.

(b) Honours—In the first two years, as above, but an additional 3 units are advisable in the Second Year.

### German

(a) Major—First Year: German 110 or 120; Second Year: German 200; Third and Fourth Years: a total of 9 units in German courses numbered 300 or above.

(b) Single Honours—First Year: German 110, 120, or 200 (with First Class or high Second Class standing); Second Year: German 200 (or 300).

(c) Combined Honours—See University Calendar.

### Greek

(a) Major—First and Second Years: two courses in Greek; Third and Fourth Years: 9 units in Greek, or 6 units in Greek plus 3 units in Classical Studies.

(b) Single Honours in Greek—First and Second Years: two courses in Greek.

### History

(a) Major—First and Second Years: at least one of History 101, 102, 201; Third and Fourth Years: total of 9 units in History courses numbered above 300, accepted for credit in History, of which 6 must be from regular departmental offerings, chosen in consultation with the Department.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in at least one of the History courses open to students in the First or Second Year and a reading knowledge of French, German, Russian or Spanish. Second Year: 15 units (recommended courses are English 200, French 210 or 220 or the equivalent, one of History 102 or 201, and two electives. Students who have not taken History 101 in the First Year should take it in the Second Year).

(c) Combined Honours—See University Calendar.

## International Studies

(a) Major—First and Second Years: at least one of Economics 200, History 101, History 201; courses to give a reading knowledge of French, German, Spanish or Russian are advised; Third and Fourth Years: total of 9 units in International Studies courses numbered 300 or above, accepted for credit in International Studies, of which 6 must be from regular Departmental offerings, and including 400 and one of 300, 301, Asian Studies 310.

(b) Single Honours—Prerequisites for admission to the Third Year include a First or high Second Class standing in History 101 or Economics 200 and a reading knowledge of French, German, Russian or Spanish. Second Year: English 200, French 210 or 220 (or its equivalent), Economics 200, History 101 (if not already taken) or History 102, Geography 207.

(c) Combined Honours—as for Single Honours. See University Calendar for Third and Fourth Years.

## Latin

(a) Major—First Year: Latin 110 or 120; Second Year: Latin 210 or 220; Third and Fourth Years: total of 9 units in Latin courses numbered above 300, or 6 units in Latin courses numbered above 300 plus 3 units in Classical Studies

(b) Single Honours in Classics—By the end of the Second Year the student should have completed Latin 220 and two courses in Greek.

(c) Single Honours in Latin—By the end of Second Year the student should have completed Latin 220.

(d) Combined Honours (Classics)—First and Second Years: the student should elect Latin and Greek in each year.

(e) Combined Honours (Latin)—By the end of Second Year the student should have completed Latin 220.

## Mathematics

(a) Major—First and Second Years: Mathematics 101 or 120, 202; Third and Fourth Years: total of 9 units chosen from Mathematics 300, 301, 306, 308, 310, 410, 412.

(b) Single Honours—Students may take Honours in (i) Mathematics (ii) Mathematics (Actuarial Option), (iii) Applied Mathematics. A reading knowledge of French, German, or Russian is highly desirable and students who have taken French in High School should take German or Russian. First Year: Mathematics 101 or 120, Physics 101, Economics 100 or Psychology 100 (Actuarial Option), Chemistry 101 or 102 (Applied Mathematics); Second Year: Mathematics 220, 221. Physics 200, 201 (replaced by Mathematics 201 in the Actuarial Option).

(c) Combined Honours—See University Calendar.

## Mediaeval Studies

The Departments of Classics, English, French, German, History, Philosophy, Slavonic Studies, Spanish and the School of Architecture (with Fine Arts) have combined their appropriate courses to offer an Honours B.A. in Mediaeval Studies.

These courses are also open to students taking the General B.A. degree who may, if they wish, work under the supervision of the Committee on Mediaeval Studies.

Prerequisites for admission to the Third Year: Philosophy 100, History 201 or 301, Latin 220 or its equivalent (which may be taken in Third Year but will not count for course).

## Philosophy

(a) Major—First Year: Philosophy 100; Second Year: Philosophy 202; Third and Fourth Years: Philosophy 210 or 310, and six additional units in Philosophy courses numbered 300 or above, chosen in consultation with the Department.

(b) Single Honours—First and Second Years: Mathematics 101 or 120, Philosophy 100, and 3 units of laboratory science.

(c) Combined Honours—First and Second Years: as for Single Honours.

(d) Five-Year Double Honours—Same as for Single Honours.

### Physics

(a) Major—First Year: Mathematics 101 or 120, and Physics 101; Second Year: Mathematics 202, Physics 200 and 201; Third and Fourth Years: Physics 300, 308 and 400.

(b) Single Honours—First Year: Chemistry 101 or 102, Mathematics 101 or 120, Physics 101; Second Year: Chemistry 200, 203, Mathematics 220, 221, Physics 200 and 201, and 3 additional units chosen to meet Calendar regulations. For Third and Fourth Years see University Calendar.

(c) Honours in Physics and Mathematics—First and Second Years: as for Single Honours.

(d) Combined Honours (Physics with a subject other than Mathematics)—First Year: Mathematics 101 or 120, Physics 101; Second Year: Mathematics 202, Physics 200. For Third and Fourth Years see University Calendar.

### Physiology

(a) Single Honours—First and Second Years: Chemistry 101 or 102, and 200 or 205, Mathematics 101 or 120, Physics 101, and Zoology 105; Third and Fourth Years: see University Calendar.

(b) Combined Honours—First and Second Years: as for Single Honours.

### Political Science

(a) Major—Prerequisite: Political Science 200 or 201; Third and Fourth Years: 9 units in Political Science numbered 300 or above.

(b) Single Honours—Prerequisites for admission to Third Year in the Honours Course: A reading knowledge of French, German or Russian; First or Second Class standing in Political Science 200 or 201. Students are also advised to take both of these courses and Economics 200 in their Second Year.

(c) Combined Honours—The same prerequisites as for Single Honours.

(d) Five-Year Double Honours—See University Calendar.

### Psychology

(a) Major—First and Second Years: Psychology 100, and 201 or 202; Third and Fourth Years: 9 units in Psychology courses numbered 300 or above, chosen in consultation with the Department.

(b) Single Honours—First Year: Zoology 105, Mathematics 101 or 120, and a Major in Psychology, including 410 and 9 additional units, 3 of which must be in Psychology and the remainder in Psychology or cognate fields.

(c) Five-Year Double Honours—First and Second Years: as for Single Honours.

### Renaissance Studies

The Departments of Classics, English, French, German, History, Philosophy, Slavonic Studies, Spanish and the School of Architecture (with Fine Arts) have combined their appropriate courses to offer an Honours B.A. in Renaissance Studies.

These courses are also open to students taking the General B.A. degree who may, if they wish, work under the supervision of the Committee on Renaissance Studies.

Prerequisites for admission to the Third Year: Philosophy 100, History 201 (or History 101 or 102), Latin 90 or High School equivalent. In addition, students in their First and Second Years are advised to take at least one of the following: Economics 100, Economics 200, Fine Arts 200, History 304, and a course in a second language. Third and Fourth Years: see University Calendar.

### Sociology

(a) Major—A major is offered as follows:

Sociology—Second Year: Sociology 200 and Economics 200 or Anthropology 200. One of these may be taken concurrently with courses in the Third Year; Third and Fourth Years: three courses in Sociology.

(b) Single Honours—Prerequisites: for admission to the Third Year, a reading knowledge of French, German, or Russian and a First or high Second Class standing in Sociology 200 and Economics 200 or Anthropology 200. Third and Fourth Year Course: see University Calendar.

(c) Combined Honours (Sociology combined with some other subject)—Prerequisites for admission to Third Year: as for Single Honours.

(d) Five-Year Double Honours (Sociology and some other subject)—See University Calendar.

### Spanish

(a) Major—First and Second Years: Spanish 110 or 120, and 201; Third and Fourth Years: a minimum of 9 units in Spanish courses numbered 300 and above, including Spanish 300.

(b) Single Honours—First Year: Spanish 110 or 120 and one year of Latin (if Latin 92 has not been passed in high school). Second Year: Spanish 201; Third and Fourth Years: 18 units in Spanish courses numbered above 300.

(c) Combined Honours—First and Second Years as for Single Honours. See University Calendar.

### Zoology

(a) Major—First Year: Zoology 105; Second Year: Zoology 202; Third and Fourth Years: 6 units from the general courses in Zoology, and 3 units from the special courses in Zoology.

(b) Single Honours—First Year: Zoology 105, English 100 and 101, Mathematics 101 or 120, Chemistry 101 or 102, Language. Second Year: Zoology 202, Physics 101, Chemistry 205 or 210, Botany 105, Language, non-science elective. Third and Fourth Years: see University Calendar.

## COURSES LEADING TO THE DEGREE OF B.Sc.

At the discretion of the departments concerned, a student may proceed to the B.Sc. degree in the fields of Bacteriology, Biochemistry, Biology, Botany, Chemistry, Geology, Mathematics, Physics, Physiology and Zoology. Subject to the exceptions noted in the next paragraph, the degree may be taken in a Single, Combined, or Double Honours Course in one or more of these fields, or in a General Course in which two of these subjects are majors.

In Physiology, however, only an Honours Course is offered, and in the Honours Course in Mathematics only the Applied Mathematics option is permitted, for the B.Sc. degree.

The number of units required for graduation, the regulations governing registration and admission, summer session, senior matriculation, and other credits, and the general regulations pertaining to the B.A. degree, as stated on page 24, also apply to the B.Sc. degree.

## FIRST AND SECOND YEARS

In the First Year a minimum of 15 units is required. In the Second Year of a general course and of all Honours Courses, at least 15 units are required. In certain Honours Courses, however, 18 units must be taken.

Courses in each of the First and Second Year must be chosen to conform to the requirements in the following tables and notes:

Requirement Designation	FIRST YEAR	Units	Refer to Notes:
A	English 100 and 101	3	.....
B	Language (other than English)	3	1, 2, 5
C	Mathematics 101 or 120	3	4
D	Science Course	3	2, 6
E	Science Course	3	2, 6

Requirement Designation	SECOND YEAR	Units	Refer to Notes:
F	Non-Science Elective	3	1, 8
G	General Elective	3	1, 3
H	Science Course	3	3, 6
I	Science Course	3	3, 6
J	Science Course	3	3, 6
K	Special Honours Elective	3	1, 3, 7

### Reference Notes

- 1, 2, 3. As on page 25.
4. See note 6 page 26.
5. Requirement B must be met by the selection of one course chosen from French, German, Greek, Latin and Spanish. Students who may transfer to Engineering should note that the course must be selected from French, German, Latin (110 or 120 only).
6. The science courses D and E must be selected from Botany 105, Chemistry 101 or 102, Physics 101, Zoology 105. The science courses H, I, J, must be selected from those in the foregoing list, not already taken, or from Botany 205, Chemistry 200, Geology 200, Mathematics 202 or 220, Physics 200 or 220, Zoology 202. No two of the sciences in H, I, J, however, may be selected from the same department.
7. As on page 26.
8. Requirement F must be a non-science course without laboratory, not already taken, selected from English, Languages, Anthropology, Economics, Geography, History, Philosophy, Psychology, and Sociology, and chosen from the courses in notes 2, 3, on page 25.

### THIRD AND FOURTH YEARS

The requirements for the B.Sc. degree in the Third and Fourth Years are the same as those stated on pages 26 and 27 for the B.A. degree. For special regulations, see University Calendar.

## EXAMINATIONS AND ADVANCEMENT

### Examinations

1. Examinations in all subjects, obligatory for all students, are held in December and in April.
2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period. In cases of illness a medical certificate must be presented to the Registrar's office.
3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive any credit for the course. If the course is repeated no exemption will be granted from the work in either part.
4. In any course which involves term assignments, students may be debarred from writing the final examination if the required term work has not been completed to the satisfaction of the department concerned.

### Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 80%; Passed 50 to 65%.
2. (a) A student taking 9 or more units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes

in courses totalling at least 9 units, including the course in question. The passing grade for a course is 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

(b) A student taking less than 9 units in the Winter Session will receive credit for a course only if, as a result of the final examinations of that Session, he passes in all his courses. The passing grade for a course is 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

(c) A student in the Summer Session or in Extra-Sessional courses will receive credit for each course in which he obtains a grade of at least 50%. A student may be denied a passing mark, however, for unsatisfactory work during the session.

3. Courses for which credit has not been obtained must be repeated, or permissible substitutes taken, in the next regular session attended. In the Winter Session the total of all courses taken may not exceed 18 units.

4. Term essays and examination papers will be refused a passing mark if they are deficient in English; and, in this event, students will be required to pass a special examination in English to be set by the Department of English.

### Supplementals

1. In the Winter Session, a candidate will be granted a supplemental in a subject which he has taken during the Session provided (i) he has written the final examination and has obtained a final mark of not less than 40%; and (ii) he has obtained (as a result of the final examinations held in April), at least 9 units of credit in that Session. In any one session, no candidate will be granted supplementals in more than 3 units. In an Evening Division Course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 40%. In the Summer Session, a candidate will be granted a supplemental in a subject which he has taken during that Session provided (i) he has written the final examination and has obtained a final mark of not less than 40%, and (ii) he has obtained 3 units of credit in that Session.

2. If a supplemental granted in a course is passed with a grade of at least 50%, credit will be given for the course.

3. A candidate who has been granted a supplemental may write it only once. If he fails, he must repeat the course or take a permissible substitute.

4. Supplemental examinations, covering the work of both the first and second terms, will be held in August or September in respect of Winter Session examinations. Supplemental examinations for Summer Session students will be held on the second day of the Summer Session.

5. Applications for supplemental examinations, accompanied by the necessary fees, must be in the hands of the Registrar by July 15th.

6. If a student, because of exceptional circumstances, is permitted to postpone a supplemental beyond the first regular supplemental examination period, he will be responsible for the content of the course as currently offered. If the course is discontinued, the supplemental privilege may be cancelled. Attention is also drawn to section 3 under "Standing and Credit."

Notice will be sent to all students who are entitled to supplemental examinations.

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### RE-READING OF EXAMINATION PAPERS

Re-readings, where permitted by the faculty concerned, are governed by the following regulations:

1. Any request for the re-reading of an answer paper other than for a supplemental examination (in which a request for a re-reading will not be granted), must reach the Registrar within two weeks after the announcement of examination results and must be accompanied by a fee for each paper of \$5.00, which will be refunded only if the mark is raised.

2. Each applicant for a re-reading must state clearly why he believes the content of his paper to deserve a mark higher than it received; pleas on compassionate grounds should not form part of this statement and prospective applicants should remember that a paper with less than a passing mark has been read at least a second time before results are announced.

3. Re-readings will not be permitted in more than two papers (6 units) in the work of one academic year, and in one paper (3 units) in a partial course of 9 units or less or in the work of one Summer Session.

### Unsatisfactory Standing

1. A student with standing defective in respect of more than 3 units, although he will not be permitted to register in a higher year, may be allowed to continue by registering in the lower year and by taking courses in accordance with Section 3 under "Standing and Credit."

2. A student who, twice in succession, fails to obtain credits in the Winter Session may, upon the recommendation of Faculty, be required by the College Council to withdraw from the College.

3. Any student whose academic record, as determined by the tests and examinations of the first term of the First or Second Year, is found to be unsatisfactory, may upon the recommendation of the Faculty be required by the College Council to discontinue attendance at the College for the remainder of the Session.

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## COURSES IN ARTS AND SCIENCE

The number of units assigned to a course is given in round brackets immediately following the course number. Thus 105 (3) under Biology indicates that Biology 105 is a three-unit course.

The hours assigned for laboratory, lectures and tutorials in a course are indicated as follows:

- 2 lectures and 3 hours laboratory per week, both terms. (2-3; 2-3)
- 1 lecture and 2 hours laboratory per week, first term. (1-2; 0-0)
- 1 lecture and 2 hours laboratory per week, second term. (0-0; 1-2)
- 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, either term. (2-3-2)
- 2 lectures, 3 hours laboratory and 2 hours tutorial or discussion per week, both terms. (2-3-2; 2-3-2)

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## ANTHROPOLOGY

**Note:** Anthropology 200 is given for the general student as well as for those intending to major in Anthropology. Anthropology 200 is prerequisite for all other courses, unless otherwise stated, but may be taken concurrently.

200. (3) **Introduction to Anthropology.**—A comparative study of cultural institutions in the primitive world; of family and other social structures; of economics, government, language, art, religion; of the origins of man and culture, the races of mankind and the nature of race. (3-0; 3-0)

Text: Herskovits, **Cultural Anthropology.**

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## BIOLOGY

Biology 105 is planned for students who intend taking no other courses in Biology, Botany, or Zoology. It is not prerequisite to Botany 105, Zoology 105, or any course in Biology.

105. (3) **Fundamentals of Biology.**—The principles of biology with emphasis upon its relation to man. Characteristics of living things; life processes; plants and animals; heredity and evolution; environmental relationships. Credit will not be given both for this course and Biology 100 (Senior Matriculation).

Text-book: Vilee, **Biology**, Second Edition. (2-3; 2-3)

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## BOTANY

105. (3) **Introduction to Botany.**—General perspective of the plant kingdom, physiological anatomy, ecological relations, and development trends.

Text-book: Sinnott and Wilson, **Botany, Principles and Problems**, (5th Ed.) (3-2; 3-2)

205. (3) **Morphology of Plants.**—A survey of the plant kingdom with emphasis on comparative and evolutionary features. Prerequisite: Botany 105. (2-3; 2-3)

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## CHEMISTRY

101. (3) **General Chemistry.**—Fundamental theories, periodic table, descriptive inorganic chemistry, chemical calculations, modern valency concepts, elementary nuclear chemistry. Students will be placed in lecture sections according to their general scientific aptitude. Mathematics 100, 101 or 120 must precede or be taken concurrently.

Text-books: Sienko and Plane, **Chemistry**; Schaum, **Outline of Theory and Problems**; Malm and Frantz, **College Chemistry in the Laboratory**. (3-3; 3-3)

102. (3) **General Chemistry.**—Similar to Chemistry 101 but in somewhat more detail. This course is intended only for prospective Honours science and engineering students. Prerequisites: Mathematics 101 or 120 and Physics 101 which must precede or be taken concurrently.

Text-books: Sienko and Plane, **Chemistry**; Schaum, **Outline of Theory and Problems**; Malm and Frantz, **College Chemistry in the Laboratory**. (3-3; 3-3)

200. (3) **Analytical, Inorganic and Physical Chemistry.**—The fundamental principles of analytical, inorganic and physical chemistry. The laboratory course largely consists of experiments designed to illustrate the principles of modern analytical and inorganic chemistry. Prerequisites: Chemistry 101 or 102 and Mathematics 101 or 120. This course is for those students intending to take an Honours degree or to major in the physical sciences.

Text-books: Welcher and Haun, **Semimicro Qualitative Analysis**; Hamilton and Simpson, **Calculations of Analytical Chemistry**, Fifth Edition. (3-4; 3-4)

203. (2) **Organic Chemistry.**—Fundamental principles of the chemistry of aliphatic, aromatic, alicyclic and heterocyclic organic compounds. This course is for prospective Honours science students only. Prerequisites: Chemistry 102 (or 101). Chemistry 200 must be taken concurrently.

Text-books: Noller, **Chemistry of Organic Compounds**; E. Wertheim, **A Laboratory Guide for Organic Chemistry**, Third Edition. (2-2; 2-2)

210.(3) **Introduction to Organic Chemistry.**—A terminal course dealing with fundamental principles of organic chemistry as well as applications and uses of organic substances. Prerequisites: Chemistry 101 or 102, and Mathematics 100 or 101 or 120. Credit will not be given for both Chemistry 210 and 300 (or for 203, 303, and 300).

Text-books: Hart and Schuetz, **A Short Course in Organic Chemistry**; E. Wertheim, **A Laboratory Guide for Organic Chemistry**, Third Edition. (2-3; 2-3)

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## COMMERCE

Commerce 151 is open only to those students who are permitted to register in the Second Year.

151. (3) **Fundamentals of Accounting.**—An introductory course on fundamental bookkeeping procedure, preparation of financial statements and uses which may be made of accounting data in operating business enterprise.

Text-book: Finney and Miller, **Principles of Accounting, Introductory** (5th Ed.). (3-0; 3-0)

190. (3) **Fundamentals of Business.**—Introduction to the basic concepts and techniques of business functions and organization. (Not offered in 1958-59). (3-0; 3-0)

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## ECONOMICS

Economics 200 is a prerequisite to all Third and Fourth Year courses except Economics 304, 405 and 406.

100. (3) **Economic History of Europe.**—Influence of geographic factors, discoveries and inventions, religion, business and labour organizations, and government

on the economic development of civilization from Ancient Greece and Rome to Western Europe in 1939.

Text-book: Heaton, **Economic History of Europe**, Revised Edition. (3-0; 3-0)

200. (3) **Principles of Economics**.—The institutions, processes and agencies which provide for our individual and collective well-being; basic determinants of prices and costs, real and money incomes, employment and living standards. Prerequisites: First Year standing; Mathematics 91 or 100 (Mathematics 100 may be taken concurrently).

Text-book: Bye, **Principles of Economics**, Fifth Edition. (3-0; 3-0)

201. (3) **Economic History of Canada**.—From the beginnings of settlement to the present day.

Text-book: Esterbrook and Aitkin, **Canadian Economic History**. (3-0; 3-0)

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## ENGLISH

### Prerequisites

All students in First Year are required to take English 100, 101. This course is prerequisite to English 200.

Students who have failed either part of English 100, 101 will be required to repeat both parts. No further courses in English may be taken until both parts have been passed.

English 200 or its equivalent is prerequisite to all English courses above 400.

Every student is required to own a good dictionary, e.g., "The Concise Oxford Dictionary," "The American College Dictionary," "Webster's Collegiate Dictionary," "The Winston Simplified Dictionary."

### First Year

100, 101. (3) **Literature and Composition**.—Elementary study of the short story, the play and poetry. Elementary principles of composition. Themes and exercises are required. This course is not divisible, for purposes of credit, into two parts.

Texts: **A Little Treasury of Modern Poetry**, revised edition, ed. O. Williams; Sheridan, **School for Scandal**; Shaw, **Saint Joan**; Miller, **Death of a Salesman**; Shakespeare, **Othello**; **Masters and Masterpieces of the Short Story**, Ed. McClennen; Birk and Birk, **Understanding and Using English**, Third Edition; Aldous Huxley, **Brave New World**. (4-0; 4-0)

### Second Year

200. (3) **Literature and Composition**.—A study of literature from Chaucer to the nineteenth century and of the principles of composition. Themes and exercises are required.

Texts: **The College Survey of English Literature**, revised edition, Whiting, et al.; Shakespeare, **Hamlet** and **Henry IV, Part I**; Austen, **Pride and Prejudice**; Fielding, **Tom Jones**. (3-0; 3-0)

201. (3) **Children's Literature**.—For credit only in the Faculty and College of Education. (Not offered in 1958-59). (3-0; 3-0)

202. (3) **Writing**.—Practice in imaginative writing, with particular attention to the short story, the familiar essay, and to contemporary verse forms, but with reference also to the one-act play and the radio drama. Prerequisite: English 100-101. (3-0; 3-0)

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## FINE ARTS

101. (3) **History of the Fine Arts**.—History of music, art and architecture, with emphasis upon the cultural development of mankind through the ages. Appreciation and understanding will be encouraged through illustration and discussion of major works. For credit in the Faculty and College of Education only. (3-0; 3-0)

Text-books: E. H. Gombrich, **The Story of Art**. Music text to be announced.

## FRENCH

110. (3) **First Year University French.** (Prerequisite: French 20.)—Study of French texts; grammar; pronunciation.

Texts: Moore and Meiden, *Onze Contes*; Sonet and Shortliffe, *Review of Standard Grammar.* (4-0; 4-0)

120. (3) **First Year University French.** (Prerequisite: French 92.)—Study of French texts; grammar; pronunciation.

Texts: *Contes modernes* (revised edition); Sonet and Shortliffe, *Review of Standard Grammar*; Molière, *Le Bourgeois gentilhomme.* (3-0; 3-0)

210.(3) **Second Year University French.** (Prerequisite: French 110).—A study of the following texts: Duhamel, *Le Notaire du Havre*; Molière, *Le Bourgeois gentilhomme*; Craven and Rey, *Entretiens à Paris sur la France d'aujourd'hui*; Sonet and Shortliffe, *Review of Standard Grammar.* Composition based on the above. (4-0; 4-0)

220. (3) **Second Year University French.** (Prerequisite: French 120 or First Class standing in French 110.)—A study of the following texts: *Intermediate Readings in French Prose*, Galpin and Milligan: Duhamel, *La Nuit d'Orange*; Romain, *Knock*; Sartre, *Les Jeux sont faits*; Mauriac, *Thérèse Desqueyroux*; Gide, *La Symphonie Pastorale*; St. Exupéry, *Vol de Nuit*; Vercors, *Le Silence de la Mer*; Racine, *Andromaque.* Reference: Mesnard, *A Review of French Grammar.* Much time will be devoted to practice in writing paragraphs and short essays. There will be oral practice and tests. (4-0; 4-0)

223.(3) **The background of Modern French Literature.**—Instruction in the organization of work; training in speech and writing. Open to students preparing for Honours.

Texts: Balzac, *Le Père Goriot*; Ledésert, *Histoire De La Littérature Française*; Craven and Rey, *Entretiens à Paris Sur La France d'aujourd' hui.* (3-0; 3-0)

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## GEOGRAPHY

Geography 101 is one of the elective sciences.

101 (3) **Introduction to Physical Geography.**—The earth as a globe; map projections; topographic maps; origin and distribution of landforms with particular reference to North America; weather and climate; practical laboratory exercises.

Text: A. N. Strahler, *Physical Geography*, 1951. (2-2; 2-2)

201. (3) **Economic Geography.**—An introductory course dealing with man and his occupations; the effect of physical environment upon the distribution of world population; the distribution of natural resources and problems of trade.

Texts: J. E. Kieffer, *Studies in World Economic Geography*; Oxford Economic Atlas of the World, 1954. (3-0; 3-0)

207. (3) **Human Geography.**—The geographic effect of man's occupation of the earth's surface through time; population distribution, growth and problems; regional analysis of the cultural landscape; the political geography of selected areas.

Text: To be announced. (3-0; 3-0)

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## GEOLOGY

Geology 200 is a prerequisite to all other courses in Geology. Students who intend to make Geology their profession are advised to take Geological Engineering or an Honours Course leading to the B.Sc. degree.

200. (3) **General Geology.**—Introductory course: "Physical Geology," including weathering, ground water, stream, glacier and wind action, the ocean and its work, earth structure, earthquake, vulcanism, intrusions, metamorphism and mineral deposits; "Historical Geology," including origin and history of the earth and its life. Prerequisites: Chemistry 101 or 102 before or concurrently.

Text: To be announced. (2-2; 2-2)

## GERMAN

90. (3) **Beginners' Course.**—Essential grammar, spoken and written drill; elementary readings on German history; selected poetry.

Texts: Steinbauer and Sundermeyer, **Introduction to German**, Revised, 1956; Harold Von Hofe, **Im Wandel der Jahre**. (4-0; 4-0)

110. (3) **First Year University German.**—Further study of grammar; readings in German civilization and 20th century fiction; selected poetry.

Texts: Baier, **Deutschland und die Deutschen**; Foltin, **Aus Nah und Fern**; Goes, **Unruhige Nacht**; **The Penguin Book of German Verse**; Meier, **The 1000 Most Frequent German Words**. (4-0; 4-0)

120. (3) **First Year University German.**—Further study of grammar with some emphasis on composition. Study of short stories, a play and selected poetry.

Texts: Röseler, **Moderne Deutsche Erzähler**; Werfel, **Jakobowsky und der Oberst**; Kurtz, **Drei Novellen**; **The Penguin Book of German Verse**; Russon, **Complete German Course**. (3-0; 3-0)

200. (3) **Second Year University German.**—Study of 20th century **Novellen**, selected readings in German history, philosophy, and poetry. Further written composition and short critical essays. Oral tests.

Texts: Hallamore and Jetter, **Am Kreuzweg**; Mann, **Tonio Kröger**; Steinbauer, **Deutsche Kultur**; Sutcliffe, **German Translation and Composition**. (3-0; 3-0)

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## GREEK

Greek 101 is open to students who have passed in Greek 90 or its equivalent; Greek 202 is open to those who have passed in Greek 101 or its equivalent.

90. (3) **Beginners' Greek.**—The elements of Attic Greek.

Text-book: Crosby and Schaeffer, **An Introduction to Greek**. (4-0; 4-0)

101. (3) **Introduction of Greek Prose Authors.**

Text-books: Crosby and Schaeffer, **An Introduction to Greek**; H. D. F. Kitto, **The Greeks**. Text: Xenophon, **The First Four Books of Xenophon's Anabasis**, Goodwin and White. (4-0; 4-0)

202. (3) **Greek Literature of the Classical Period.**—Plato's **Introduction to the Republic**; a play of Aeschylus; practice in composition; brief survey of Greek literary history.

Text-book: C. M. Bowra, **Ancient Greek Literature**. Texts: Plato, **Republic, Book I**, D. J. Allen; Aeschylus, G. Murray. (3-0; 3-0)

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## HISTORY

101. (3) **Main Currents in Twentieth-Century History.**—This course offers a background for contemporary world problems and is prerequisite to History Honours. If the World History course has been taken in Senior Matriculation, History 102 will be required for Honours. Essays will be assigned throughout the Session.

Text: Chambers, Harris and Bayley, **This Age of Conflict**, revised edition.

(3-1; 3-1)

102. (3) **The History of Canada.**—Introductory general course. History 102 is recommended as a prerequisite for History 404, 420, 426. Essays will be assigned throughout the Session.

Text: A. R. M. Lower, **Colony To Nation**.

(3-0; 3-0)

201. (3) **British History.**—A survey of British constitutional, economic, political, social and cultural development from Saxon times to the present day.

Text: G. M. Trevelyan, **A History of England**.

(3-0; 3-0)

304. (3) **Mediaeval Europe, 500-1300.**—A general outline of mediaeval history from the fall of the Roman Empire to the 13th century. Essays will be assigned throughout the Session.

Text: Stephenson, **Mediaeval History**, 3rd Ed.

(3-0; 3-0)

## LATIN

90. (3) **Beginners' Latin.**—For students with no previous knowledge of Latin; for credit only to students who have not offered Latin at High School Graduation. Text-books: L. A. Wilding, *Latin Course for Schools, Part I and II*; Robinson, *Latinum*. (4-0; 4-0)

110. (3) **First Year University Latin.**—Prerequisite: Latin 20 or Latin 90. Text-books: L. A. Wilding, *Latin Course for Schools, Part 2*; North and Hillard, *Latin Prose Composition for Schools*; Hadas, *A History of Rome*; Robinson and Hunter, *Roma*. (4-0; 4-0)

120. (3) **Introduction to Latin Literature.**—Prerequisite: Latin 92. The course includes a rapid survey of Latin grammar; study of Latin words, idioms and translations; practice in composition; reading of selections from Latin authors; history of Rome. Text-books: L. A. Wilding, *Latin Course for Schools, Part 3*; North and Hillard, *Latin Prose Composition for Schools*; R. H. Barrow, *The Romans*; Allen and Greenough, *New Latin Grammar*; Neville, Jolliffe, Dale and Breslove, *A Book of Latin Poetry*. (3-0; 3-0)

210. (3) **Introduction to Latin Literature.**—Prerequisite: Latin 110. The course includes a rapid survey of Latin grammar; study of Latin words, idioms and translation; practice in composition; reading of selections from Latin authors; history of Greece. Text-books: L. A. Wilding, *Latin Course for Schools, Part 3*; North and Hillard, *Latin Prose Composition for Schools*; R. H. Barrow, *The Romans*; Allen and Greenough, *New Latin Grammar*; Neville, Jolliffe, Dale and Breslove, *A Book of Latin Poetry*. (4-0; 4-0)

220. (3) **Prose and Poetry of the Golden Age.**—Prerequisite: Latin 120 or a First Class in Latin 110. Prose of Cicero: Horace's adaptations of the Greek Lyric; the developed Epic as represented by Vergil, history of Greece. Text-books: H. D. F. Kitto, *The Greeks*; Cicero, *Catilinarian Orations*; Cicero, *Pro Archia*, Nall; Horace, *Selected Odes*, Wickham; Vergil, *Aeneid VI*, Page; Allen and Greenough, *New Latin Grammar*. (3-0 3-0)

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## MATHEMATICS

Mathematics 30 (High School Programme, British Columbia) is prerequisite to Mathematics 100 and students who have credit for Mathematics 91 (High School Programme, British Columbia) or its equivalent may not take Mathematics 100. Mathematics 91 or 100 is prerequisite to, and may not be taken concurrently with, Mathematics 101 or 120. Credit will be given for only one of Mathematics 100, 101, 120.

100. (3) **Algebra.**—Review of elementary algebra, logarithms, ratio and proportion, progressions, interest and annuities, permutations and combinations, probability, elementary statistics. (May not be given in 1958-59). (4-0; 4-0)

101. (3) **Fundamental Mathematics.**—Logic, sets, algebra, geometry, trigonometry, introduction to probability and statistics. This course is recommended for students in Commerce, the humanities and the social sciences.

Text: Allendoerfer and Oakley, *Principles of Mathematics*; MacMillan, *Logarithmic and Trigonometric Tables*. (4-0; 4-0)

120. (3) **Fundamental Mathematics.**—Algebra, geometry, trigonometry, introduction to calculus. This course is recommended for students taking two sciences in First Year and intending to take engineering, architecture or a major or an honours course in science or mathematics.

Text: Brixey and Andrej, *Fundamentals of College Mathematics*; MacMillan *Logarithmic and Trigonometric Tables*. (4-0; 4-0)

Mathematics 101 or 120 is prerequisite to Mathematics 202. Mathematics 100, 101, or 120 is prerequisite to Mathematics 201 and 205.

201. (3) **The Mathematical Theory of Investments.**—Theory of interest, annuities, debentures, valuation of bonds, sinking funds, depreciation, probability and its application to life insurance.

Text: Hummel and Seebeck, *Mathematics of Finance*, Second Edition, (3-0; 3-0)

202. (3) **Calculus.**—Introduction to differential and integral calculus, with applications.

Text: Johnson and Kiokemeister, **Calculus with Analytic Geometry.** (3-0; 3-0)

203. (3) **Mathematics for Teachers.**—For credit only in the Faculty and College of Education.

Text: To be announced.

205. (3) **Elementary Statistics.**—Descriptive statistics, introduction to probability and sampling, correlation, index numbers, time series.

Text: Freund, **Modern Elementary Statistics.** (3-2; 3-2)

At least Second Class standing in Mathematics 101 or 120 and the consent of the Department is prerequisite to Mathematics 220 and 221; the two courses (220 and 221) must be taken concurrently.

220. (3) **Differential and Integral Calculus.** (3-0; 3-0)

221. (3) **Algebra and Geometry.** (2-1; 2-1)

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## PHILOSOPHY

100. (3) **Introduction to Philosophy.**—A systematic presentation of the problems of philosophy from the early Greeks to the present day.

Text-book: W. T. Jones, **History of Western Philosophy.** (3-0; 3-0)

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## PHYSICS

**Note:** Students who plan to take only one course in Physics, either to meet the calendar requirements for a science or to acquire some knowledge of the modern physical world, are advised to take Physics 103. All who propose to take an Honours Course in science, or any professional course, must take Physics 101.

101. (3) **Elementary Physics.**—Principles of mechanics, properties of matter, heat, light, sound, electricity and some of the more recent developments in physics. Primarily for Honours science and engineering students. Mathematics 101 or 120 must precede or be taken concurrently with this course. Students who have not obtained credit for Physics 91 in the schools must take an additional 2 hours per week of tutorial work.

Text-book: Smith and Cooper, **The Elements of Physics, Sixth Edition.** (3-2; 3-2)

103. (3) **A Survey of Physics.**—From Newton's mechanics to nuclear physics, a description of ideas, principles and their applications. Students who have received credit for Physics 101 may not take this course. It is intended for students who wish to acquire some knowledge of a physical science as part of their cultural background. No prerequisites.

Text-book: White, **Classical and Modern Physics.** (3-2; 3-2)

200. (3) **Mechanics—Heat and Properties of Matter.**—Statics, friction, Newton's laws of motion, conservation laws, impact, single harmonic motion, fluid flow and surface tension, calorimetry, expansion, kinetic theory, radiation and conduction, entropy and the second law of thermodynamics. Prerequisites: Physics 101. Mathematics 202 or 220 must be taken concurrently or precede this course which is intended only for students majoring in science.

Text-books: Tyler, **Intermediate Heat**; F. W. Sears, **Mechanics, Heat and Sound.** (3-3; 3-3)

201. (2) **Intermediate Physics.**—A course intermediate between the introductory First Year course and the specialized studies of the Honours programme. Topics will include charge and mass of the electron, mass spectroscopy, photo-electricity, the Bohr Atom, electronics and semi-conductor applications and acoustics. Experiments connected with these topics will be included in the laboratory for Physics 200, which should normally be taken concurrently or precede this course.

Text: D. R. J. Wood, **An Introduction to Electronics**; Otto Eldenberg, **Introduction to Atomic Physics.** (2-0; 2-0)

## PSYCHOLOGY

**Note:** In addition to the required psychology courses it is recommended that, in their undergraduate work, students intending to work in (a) the field of clinical psychology include biology and social science courses, (b) the field of industrial and business psychology include economics and social science courses, (c) the field of vocational psychology include education, economics, and social science courses, (d) the field of experimental or scientific psychology include mathematics, physics and biology courses.

100. (3) **Introductory Psychology.**—A scientific and practical study of the basic forms of human thinking, emotions and activity.

Text-book: Morgan, **Introduction To Psychology.** (3-0; 3-0)

202. (3) **Mental Hygiene.**—Approaches to an understanding of personality, varieties of adjustive behaviour, modification of personal and social behaviour, systems of psychotherapy, approaches to mental health. Prerequisite: Psychology 100.

Text-book: Shaffer and Shoben, **The Psychology of Adjustment**, 2nd ed. (3-0; 3-0)

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## SOCIOLOGY

200. (3) **Introduction to Sociology.**—A general introduction to the sociological analysis of selected topics (such as values, work, stratification, kinship and socialization, particular social roles and the problem of national character) which together would constitute a broad description of a large scale society. (3-0; 3-0)

Text-book: Kingsley Davis, **Human Society.**

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## SPANISH

90. (3) **Beginners' Spanish.**—Grammar, composition, translation, conversation.

Texts: Rogers, **Spanish for the First Year**; Kasten and Neale-Silva, **Lecturas Escogidas.** (4-0; 4-0)

110. (3) **First Year University Spanish.**—(Prerequisite: Spanish 20 or pass standing in Spanish 90.)—Grammar, translation, reading, oral practice.

Texts: Brett and Kurz, **Intermediate Spanish Grammar and Readings**; Garcia Lorca, **La Zapatera prodigiosa.** (4-0; 4-0)

120. (3) **First Year University Spanish.**—(Prerequisite: Spanish 92, or Second Class or better in Spanish 90.)—Grammar, translation, reading, oral practice.

Texts: as in Spanish 110. (3-0; 3-0)

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## ZOOLOGY

105. (3) **General Zoology.**—An introduction to animal biology; structure, function, evolution and classification of animals. This course is prerequisite to all other courses in Zoology unless specifically excepted, and to most courses in Biology.

Text-book: Storer and Usinger, **General Zoology**, Third Edition. (2-3; 2-3)

202. (3) **Vertebrate Zoology.**—Comparative anatomy; taxonomy; phylogeny and life histories of the vertebrates; dissection of representative forms.

Texts: Romer, **The Vertebrate Body**, Second Edition; Weichert, **Representative Chordates.** (2-3; 2-3)

# FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

## COURSES LEADING TO THE DEGREE OF

### B. Com. (Commerce)

(Five-year course, two years of which may be taken at Victoria College).

A student who completes the course of studies in any of the following options will receive the degree of Bachelor of Commerce (B.Com.).

- |  |                                    |
|--|------------------------------------|
| 1. Accounting.                         | 8. Commerce and Science.           |
| 2. Marketing.                          | 9. Commerce and Actuarial Science. |
| 3. Production.                         | 10. Commerce and Teaching.         |
| 4. Finance.                            | 11. Commerce and Forestry.         |
| 5. Transportation and Utilities.       | 12. Commerce and Agriculture.      |
| 6. Commerce and Economics.             | 13. Commerce and Law (for combined |
| 7. Commerce and Public Administration. | degrees).                          |

For admission to the Faculty of Commerce and Business Administration, students must have completed 15 units in First Year Arts and Science or its equivalent. For admission to any of the options, they must have credit in English 100, 101 and Mathematics 100, 101 or 120. Students proposing to take Physics 101 or options 8, 9, 11, or 12 must complete Mathematics 101 or 120.

### Regulations Regarding Commerce Courses

(1) 18 units constitute a full course in each of the four years of the B.Com. programme.

(2) Without the special permission of the Principal no student may take more or fewer than 18 units in each Winter Session.

(3) Not later than the end of the First Year in Commerce, students are expected to choose their field of concentration and thereafter follow the prescribed course of studies.

### Standing and Credit

(1) Candidates, in order to pass, must obtain at least 50 per cent. in each subject; in a course which comprises both lecture and laboratory work they will be required to pass in **both** the written examinations **and** laboratory work before standing in the course is granted. The grades are as follows: First Class, an average of 80 per cent. or over; Second Class, 65 to 80 per cent.; Passed, 50 to 65 per cent.

### Supplementals

(1) If a student's general standing in the final examinations of any year is sufficiently high, the Faculty may grant him supplemental examinations in the subject or subjects in which he has failed. Notice will be sent to all students to whom supplementals have been granted.

(2) Students who have failed in more than 6 units of a required year's work will not be allowed to write supplemental examinations. will be considered to have failed in the work of the year, and will not receive credit for any of the courses passed in that year.

(3) Supplemental examinations, covering the work of both the first and second terms, will be held in August or September in respect of Winter Session examinations, and in July in respect of Summer School examinations.

### Unsatisfactory Standing

(1) A student who twice fails, as defined in the section on "Supplementals," paragraph 2, may, upon the recommendation of the Faculty, be required by College Council to withdraw from the Faculty of Commerce and Business Administration.

(2) Any student whose academic record, as determined by the tests and examinations of the first term, is found to be unsatisfactory may, upon the recommendation of the Faculty, be required by the College Council to discontinue attendance at the College for the remainder of the session.

## OPTION REQUIREMENTS

### Pre-Commerce

Students who have completed First Year Arts and Science or its equivalent with standing in 15 units, including English 100 and 101 and Mathematics 100 or 101 or 120 will be admitted to any option other than 8, 9, 11 or 12. Students who contemplate admission to options 8, 9, 11 or 12 must have obtained standing in two First Year sciences, English 100 and 101, Mathematics 101 or 120 and one elective.

### FIRST YEAR COMMERCE

Option No.	
1 to 13	Com. 151; Com. 190 (or substitute); Eng. 200; Econ. 200.
1, 4, 9	Math. 201; 3 units of electives.
2, 3, 5, 6, 13	6 units of electives.
7	Pol. Sc. 200; 3 units of electives.
8*	3 units of Science; 3 units of electives.
10**	Com. 90, 101; Educ. 102.
11	For. 252; 3 units of electives.
12***	Agric. 100; 6 units of electives.
1 to 13	Electives may be selected from: Math. 200 level course; Geog. 201; Econ. 201; Psych. 100 or 202; For. 252; Hist. 101 or 102; Phil. 100; Pol. Sc. 200; Language; Science; Anthropology; Sociology.

\* Math. 205 should be chosen by those who propose to take Biology, Botany, or Zoology as a major. Math. 202 should be elected by students who propose to take Chemistry or Physics as a major.

\*\* Students should seek advice at registration as to the sequence of courses in the electives taken.

\*\*\* Bacteriology 100 is prerequisite to Dairying 200.

# THE FACULTY AND COLLEGE OF EDUCATION

Since Victoria College offers the first two years of all the programmes in Teacher Education, the information pertaining thereto and the outlines of the various courses will be found in the following material taken from the Calendar of the University of British Columbia.

The Faculty and College of Education offers programmes leading to an undergraduate degree in Education, granted by the University, and to teaching certificates, awarded by the Department of Education of the Province of British Columbia, in the fields of elementary and secondary teacher education. The degree granted is Bachelor of Education (B.Ed.).

Graduate programmes leading to a Master's degree are also offered in the Faculty of Graduate Studies.

## UNDERGRADUATE CERTIFICATE AND DEGREE PROGRAMMES

### A. In the Elementary Teaching Field:

(1) A four-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the elementary teaching field and meeting the course requirements for the Professional Teaching Certificate.

(2) A two-year intra-mural programme for students with High School Graduation (University Programme), covering the course requirements for the Interim Elementary Basic Teaching Certificate. Successful candidates will be granted credit for the first two years of the programme (1) above.

(3) A one-year intra-mural programme for students entering with full First Year University or Grade XIII (Senior Matriculation), covering the course requirements for the Interim Elementary Basic Certificate. Successful candidates will be granted credit for the Second Year of programme (1) above.

(4) To meet the present demand for teachers, an emergency one-year programme for students with High School Graduation (University Programme), leading to an Elementary Conditional Certificate valid for four years. During the four-year period, successful candidates must complete, by Winter or Summer Sessions, the remaining courses of programme (2) above.

### B. In the Secondary Teaching Field:

(1) A five-year programme from High School Graduation (University Programme), leading to the degree of B.Ed. in the secondary teaching field and meeting the course requirements for the Professional Basic Teaching Certificate.

(2) Programmes enabling elementary teachers with two years of credit toward the degree of B.Ed. in the elementary field to complete, by Winter or Summer Sessions, the remaining three years of training leading to the Professional Basic Teaching Certificate and the degree of B.Ed. in the secondary field.

(3) A one-year teacher-training programme enabling graduates with an acceptable bachelor's degree from a faculty other than Education, to meet the requirements for the Interim Professional Basic Teaching Certificate.

(4) A programme enabling those who have completed programme (3) above to proceed to the degree of B.Ed.

### Teaching Certificates

Since sole authority to issue teaching certificates rests with the Provincial Department of Education, Victoria, B.C., a degree or diploma from the University is not a licence to teach. Candidates who successfully complete any of the above programmes, however, will be recommended by the University or the College to the Department for the appropriate teaching certificate.

## ADMISSION REQUIREMENTS

Applicants for admission to the Faculty and College of Education programmes must meet the general requirements on page 10. The College reserves the right, however, to reject applicants for admission to the Faculty and College on the grounds of physical or health disabilities, or for other reasons. Special additional requirements for admission to the one-year courses are listed below:

### For the One-Year Emergency Programme, A (4) Above:

Candidates should normally have obtained a minimum average of approximately 65%, or the equivalent C + in letter grades, in the final examinations for High School Graduation (University Programme) of British Columbia or the equivalent. Those who do not meet these requirements may request consideration of their cases by the Committee on Admissions, Standing, and Courses, by applying in writing to the Registrar. Applications of this type must be received by the Registrar prior to September 1st.

### For the One-Year Programme for Graduates, B (3) above:

For admission to this programme candidates must normally be graduates of a recognized university, have completed courses meeting the requirements listed in Section (1) below under "Preparatory Courses," and have obtained an average of approximately 65% in those courses of the Third and Fourth Years which make up their teaching majors. Those who do not meet these requirements may be granted permission to register by the Committee on Admissions, Standing, and Courses, by applying in writing to the Registrar. Applications must be in the hands of the Registrar before September 1st.

#### Preparatory Courses

University graduates, for admission to programme B (3), above, should have fulfilled one of the following conditions.

1. They should have obtained in Arts and Science at least 9 units of credit in the academic courses offered in the Third or Fourth Years in each of two of the following subjects: Art, Biology (including Botany and Zoology), Chemistry, English, French, Geography, Geology, German, History (or International Studies), Latin (or Latin and Greek), Mathematics, Music, Psychology, Physics, Russian, Spanish. Candidates will be considered to have fulfilled the requirements of one 9-unit teaching major who offer 6 units of Third and Fourth Year credit in either History or Geography plus 3 units chosen from Anthropology, Economics, Political Science, Slavonic Studies, Sociology, Geography (where the first 6 units are in History), and History (where the first 6 units are in Geography).

2. They must have completed an Honours Course in any one of the subjects listed above. An Honours Course in Psychology, however, is acceptable only if the student also has a 9-unit major in a teaching subject.

3. They must have obtained credit in Mathematics 101 or 120, Physics 101, Chemistry 101 or 120, Geology 200, Biology 100 or Biology 105 or Botany 105 or Zoology 105, plus a 9-unit major in one of these subjects and a further 6 units selected at will in the other four subject fields.

4. They must have obtained a B.A.Sc. degree from this University or its equivalent from a recognized university.

5. They must have obtained a B.S.A. degree from this University or its equivalent from a recognized university.

6. They must have obtained a B.H.E. degree from this University, or its equivalent from a recognized university.

7. They must have obtained a B.P.E. degree from this University, or its equivalent from a recognized university, including in the Third and Fourth Years at least 9 units in one of the subjects listed in 1 above.

8. They must have obtained a B.Com. from this University or its equivalent, and present satisfactory evidence of proficiency in typing and shorthand.

9. They must have obtained a 9-unit major in music, a 9-unit major in one of the subjects listed in 1. above and the A.R.C.T. or its equivalent.

#### Admission with Advanced Standing

(a) Students with full Senior Matriculation or First Year Arts and Science will be admitted to the Second Year of either programme leading to a degree in Education.

(b) Students from other universities and from other countries are referred to pages 10 and 11.

(c) Students who are completing work for a degree in another faculty may transfer to the Faculty and College of Education. Credit will be given for those courses,

already completed, which meet the requirements of the programme in Education selected. Consideration in granting credit will also be given for other courses taken.

(d) Students transferring from the degree programme in the elementary field to the degree programme in the secondary field, or from one major to another within a programme, will be given credit for such courses already completed which meet the requirements of the newly selected programme.

(e) Elementary Teacher Training taken prior to September 1956, will be recognized and evaluated toward a degree in Education on the following basis:

(i) for full Senior Matriculation of the Province of British Columbia or the equivalent of full Senior Matriculation as recognized for the Interim Elementary Basic Certificate, one year in Education;

(ii) for Normal School (British Columbia), one year in Education;

(iii) for the combination of (i) and (ii), i.e. for the Interim Elementary Basic Certificate, two years in Education;

(iv) for courses credited by the Provincial Department of Education toward the Permanent E-B Certificate degree credit will be accepted, ipso facto, toward the First and Second years; courses not so used will, in general, be accepted for credit above Second Year, subject to the following terms. Insofar as the programme for the degree calls for optional courses in Education, Summer School of Education courses will be accepted without any attempt to equate them to courses offered by the Faculty and College. In order to be acceptable, courses in excess of the optional units allowed by the programme must be comparable in content and unit value to the prescribed course or courses in Education in the student's programme. Courses to the value of at least  $3\frac{3}{4}$  units taken in the Summer School of Education will be accepted as the equivalent of 3 units for the purposes of credit. However, work completed prior to 1936 will not be accepted. In the four-year elementary programme at least 18 units must be completed in the Faculty and College of Education, and in the five-year secondary programme the usual requirement is at least 30 units. Special cases will be considered if application is made.

(f) University graduates holding a Secondary Basic Certificate issued by the Department of Education, B.C., prior to December 31st, 1957, will be permitted to complete the B.Ed. degree by completing an additional 15 units of work in Education, or with the prior permission of the Committee on Admissions, Standing, and Courses, 12 units of work in Education plus 3 units of work regularly carrying Third Year or higher credit in a subject other than Education. Students who have completed the Teacher Training Course at the University of British Columbia, or its equivalent at a recognized university, will be granted 6 units of credit toward a B.Ed. degree.

University graduates holding the Professional Basic Certificate issued after December 31st, 1957, must complete the programme outlined on page 53.

(g) Candidates for the B.Ed. degree in the elementary field who already hold the Elementary Basic Certificate, must follow the programme outlined on page 53.

(h) A student who has completed courses at another university may submit to the Registrar a transcript of his record to be evaluated toward the requirements for a degree in Education at the University of British Columbia. Once registered in the Faculty and College, however, the candidate may expect credit for courses subsequently taken elsewhere only when prior permission has been obtained from the Committee on Admissions, Standing, and Courses. In every case, candidates must complete the Final Year of the degree course concerned in the University of British Columbia.

### Inquiries Regarding Admission

Students who plan to enroll in the Faculty and College of Education for the first time, and who are unable prior to registration, to come to the College for an interview, should write to the Registrar, Victoria College, Victoria, B.C. Needless delay will be avoided if the letter contains the following information:

(a) name in full;

(b) official transcripts of high school and university records;

(c) a "transfer of credits" statement from the Registrar, Department of Education, Victoria, B.C., if applicant holds a B.C. Teacher's Certificate;

(d) statement as to the particular course or programme in Education desired, and, where this involves the secondary programme or the upper years of the elementary programme for the B.Ed. degree, a statement of the subject or subjects preferred for majors or for honours.

## Registration

Registration of qualified students in the Faculty and College of Education is governed by the general regulations on pages 10-14.

### Special Regulation for the One-Year and Two-Year Elementary Programmes

In accordance with previous practice and by agreement between the University and the Department of Education, students who are taking the one-year programme or the two-year basic programme leading to elementary school certification, and whose homes are on the coast or lower mainland from Hope, B.C., south and west, are expected to register in the Faculty and College of Education at the **University of British Columbia**. Those students who are taking the one-year programme or the two-year basic programme leading to elementary school certification, and whose homes are on Vancouver Island, the Gulf Islands, the Northern Coast, or in the interior of British Columbia, are similarly expected to register at **Victoria College, Victoria**. Any inquiries about the above arrangements should be directed to the Registrar, the University of British Columbia.

This regulation does not apply (1) to certified teachers completing the work of the Second Year in Education by Summer Sessions; or (2) to students enrolling in the programmes for secondary teacher training.

### Fees and Expenses

Fees paid by students in the Faculty and College of Education are comparable to those in other faculties of the University. The tuition and student fees are \$235 in each year of the course.

For expenses of board and room see page 9.

Students should allow from \$50 to \$75 for books and equipment and a similar amount to cover travelling and living expenses which may be incurred in practice teaching within or outside Victoria.

### Financial Assistance

Where scholarship warrants and financial need is proven to the satisfaction of the Provincial Bursary-Loan Committee, some financial assistance in the form of loans or bursaries for students either at the University or Victoria College may be granted by the Department of Education of the Province of British Columbia. See inside front cover of Calendar.

Victoria College also has a small loan fund to assist students requiring financial assistance. For further information please consult the Principal.

Work in the Library and in the Cafeteria, at the rate of \$1.00 per hour, will be provided for students of good standing who require financial assistance. Application should be made to the Registrar at time of registration on a form available for this purpose.

### Examinations

1. Examinations for the winter session are held in April and at such other times as the instructors may decide. These examinations are obligatory for all students.

2. Applications for special consideration on account of illness or domestic affliction must be submitted in writing to the Registrar not later than two days after the close of the examination period.

3. In any course which involves both laboratory work and written examinations, students will be required to make satisfactory standing in both parts. Results in laboratory work will be announced prior to the final examination, and students who have not obtained a mark of at least 50% will neither be permitted to write the examination nor to receive credit for the course. If the course is repeated no exemption will be granted from the work in either part.

4. In any course which involves term assignments, students may be debarred from writing the final examination if the required term work has not been completed to the satisfaction of the department concerned.

### Standing and Credit

1. Candidates taking at least 15 units of work, and obtaining at least 50% in each subject, will be graded as follows: First Class, an average of 80% or over; Second Class, 65 to 80%; Passed, 50 to 65%.

2. (a) A student taking 9 or more units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in courses totalling at least 9 units, including the course in question.
  - (b) A student taking fewer than 9 units in the winter session will receive credit for a course only if, as a result of the final examinations of that session, he passes in all his courses.
  - (c) A student in the summer session or in extra-sessional or correspondence courses will receive credit for each course in which he obtains 50%.
3. Courses for which credit has not been obtained must be repeated or permissible substitutes taken, in the next regular session attended. In the winter session the total of all courses taken may not exceed 18 units.
4. Essays and examinations will be refused a passing mark if they are deficient in English; and in this event students will be required to pass a special examination in English.

### Supplementals

1. In the winter session a student will be granted the privilege of writing a supplemental in not more than 3 units of courses taken during that session provided that:

- (a) he has obtained during that session at least 9 units of credit.
- (b) he has written the final examination in the subject concerned and has obtained a final grade of at least 40%.

2. In the summer session, a candidate will be granted a supplemental in a subject which he has taken during that session provided (i) he has written the final examination and has obtained a final mark of not less than 40% and (ii) he has obtained 3 units of credit in that session.

3. In an extra-sessional or correspondence course, a student will be granted a supplemental in a subject in which he has obtained a final mark of not less than 40%.

4. The Faculty may, at its discretion, grant supplemental privileges in a further 3 units to a student whose course work during a full winter session is in excess of 15 units.

5. Because of the nature of the course, supplemental examinations are not provided in Education 100 (Practice Teaching), but at the discretion of the Faculty arrangements may be made in certain cases for a further trial period of practice teaching.

6. A candidate who has been granted a supplemental may write it once only. If he fails, he must repeat the course or take a permissible substitute.

7. Supplemental examinations, covering the work of both the first and second terms, will be held during August in respect of winter session examinations. Supplemental examinations for summer session students will be held on the second day of the summer session at the College, or by special arrangement, at the University.

8. If a student, because of exceptional circumstances, is permitted to postpone a supplemental beyond the first regular supplemental examination period, he will be responsible for the content of the course as currently offered. If the course is discontinued, the supplemental privilege may be cancelled.

### Re-Readings

The regulations of the Faculty of Arts and Science respecting re-readings and unsatisfactory standing apply in the Faculty and College of Education (see pages 34 and 35).

### Special Regulations

Special regulation governing graduation in the Five-Year Bachelor of Education degree programme:

To be eligible for the Bachelor of Education degree and for recommendation to the Department of Education for a Professional Basic Certificate, the candidate must normally have earned:

- (1) a mark of at least 50% in each of the courses comprising the degree programme;
- (2) an average of not less than 60% in those subjects of the programme which constitute his majors.

## Programmes at Victoria College

The following may be taken at Victoria College:

(1) The first two years of the five-year Bachelor of Education degree programme.

(2) The first two years of the four-year Bachelor of Education degree programme at the conclusion of which the candidate is also eligible for the Interim Elementary Basic Teaching Certificate.

(3) The one-year emergency programme for students holding High School Graduation (University Programme) leading to the Elementary Conditional Teaching Certificate.

(4) The one-year programme for qualified students holding Grade XIII standing (Senior Matriculation) leading to the Interim Elementary Basic Teaching Certificate.

### PROGRAMMES OF STUDY FOR THE EDUCATION AND TRAINING OF TEACHERS

#### The Bachelor of Education (ELEMENTARY) Degree Programme:

This is the standard programme designed for the training of elementary school teachers. It consists of a total of 69 units or 9 units more than a general B.A. programme. Should a Fifth Year be added it will consist of 15 further units decided by consultation with the Director of Elementary Education.

Upon successful completion of the first two years of this programme, the candidate will be recommended for the British Columbia Interim Elementary Basic Teaching Certificate. Upon successful completion of the remaining two years, the candidate will be awarded the degree of B.Ed. and recommended for the British Columbia Professional Certificate.

First Year	Units
English 100, 101 .....	3
*History 102 .....	3
Geography 101 or another laboratory science such as Biology 105 .....	3
Fine Arts 101, or the first year of a language other than English, or first year Mathematics .....	3
Education 102 .....	3
Education 100 .....	0
Compulsory Physical Education .....	0

\* History 101 will be accepted in lieu of History 102 if taken prior to registration in the Faculty and College of Education.

Second Year	Units
Education 100 .....	0
*Education 201 .....	3
Education 202 .....	3
Education 203 or 204 .....	3
Education 205 .....	3
Education 206 .....	1½
Education 208 .....	1½
English 200 .....	3

(No compulsory Physical Education for those taking Education 205.)

\* To be given in 1958-59 only.

#### Third Year

English 201 or second year of a language other than English .....	3
Geography 303 .....	3
Education 331 or Psychology 301 .....	3
**English 300 or 400 .....	3
*Major Courses .....	6

\* See "Teaching Majors for Elementary Teachers," pages 60 and 61.

\*\* Or reasonable substitute authorized by the Director.

## Fourth Year

Units

Education 461 or 309 .....	3
Theatre 200, or the second or third year of a language other than English, or Fine Arts 300, or Music 200 or 300 .....	3
Education 400 .....	3
*Major Courses .....	9

\* See "Teaching Majors for Elementary Teachers," pages 60 and 61.

The programme above is planned so that, for the next four or five years at least, students may leave the University or College after the Second Year to teach in schools. The Department of Education will grant a teaching certificate to those who complete the first two years successfully, but the certificate will not be permanent until further courses in Third and Fourth year are completed; and the University will, of course, not award a degree until all four years are successfully accomplished. The plan, however, does allow teachers to complete the Third and Fourth years by summer session attendance or by extra-session courses during the winter.

All students seeking professional courses in the first two years must attend full-time during the day for the normal University or College winter session. Students from other faculties and departments may transfer to the Faculty and College of Education in September of any year in the programme outlined above, and adequate provision is made for substitution of courses for those prescribed above. At least one full year of professional work must be taken, however, on campus during the winter session in the College of Education. All the prescribed professional courses must eventually be completed before the degree will be awarded.

### The Bachelor of Education (SECONDARY) Degree Programme (five years):

This is the standard programme designed for the training of secondary school teachers. It consists of a total of 78 units. Every student is required either to major in two subjects ordinarily taught in high school or to take an Honours Course in one such subject. In each major, in addition to prerequisite courses, at least 15 units must be taken, 9 of which must be from senior years. A candidate who elects to take an Honours Course in one teaching field must be prepared to complete 84 units for the degree.

#### First Year

English 100, 101 .....	3
*History 102 .....	3
Two of Mathematics 101, first year science, first year language other than English .....	6
Fine Arts 101 or Philosophy 100 or Psychology 100 .....	3
Compulsory Physical Education .....	0

\* History 101, if taken before registration in the Faculty and College of Education, will be accepted in lieu of History 102.

#### Second Year

Education 200 (included practice teaching) .....	3
English 200 .....	3
Nine or 12 units in Arts, Science, Commerce, Home Economics, or Physical Education, to complete any omitted from First Year Education and to commence work in two major courses* (including prerequisites) 9 or 12	
Compulsory Physical Education .....	0

\* For details, see "Teaching Majors for Secondary Teachers," pages 57 to 60.

#### Third Year

Education 301 (included practice teaching) .....	3
Majors or Honours, and prerequisites (see pages 57 to 60) .....	12 or 15

#### Fourth Year

*English 300 or 400 .....	3
Education 410 .....	3
Majors or Honours or electives (see pages 57 to 60) .....	9 or 12
Two weeks in May — practice teaching .....	0

\* Or reasonable substitute authorized by Director.

Fifth Year		Units
Education 100 .....		0
Education 206 .....		1½
Education 208 .....		1½
Education 332 .....		3
Education 400 .....		3
Education 404 .....		3
One of Education 305, 307, 390, 411, 412, 415, 461, 490, 491 .....		3

The Bachelor of Education (Secondary) programme is designed to give a full five-year course before a student goes out to teach. It is, however, possible for those who have obtained some initial training and teaching experience in the elementary service to transfer to the Secondary Degree Programme through winter or summer attendance.

### SPECIAL PROGRAMMES

#### 1. Emergency One-Year Programme (Elementary):

This programme, for those with sufficiently high Grade XII standing, leads to the Elementary Conditional Certificate, which is valid for four years only (see special requirements, page 46. Students enrolling in this course will be registered as First Year Education students (Emergency Programme).

Education 100 .....	0
Education 102 .....	3
Education 202 .....	3
Education 203 or 204 .....	3
Education 205 .....	3
English 100, 101 .....	3
Mathematics 203 .....	3

(No compulsory Physical Education for those taking Education 205.)

Additional courses needed to meet the requirements for the Elementary Basic Certificate are:

*Biology 105 or Geography 101 .....	3
**History 102 .....	3
Fine Arts 101 or English 201 or Mathematics of First Year or a Language other than English .....	3
English 200 .....	3
Education 206 .....	1½
Education 208 .....	1½

\* Another first year laboratory science is acceptable but not preferred.

\*\* History 101 if taken prior to registration in the Faculty and College of Education is acceptable.

Of the 33 units required for the Interim E.B. Certificate in the Emergency programme not more than 12 units may be taken through Grade XIII. Grade XIII courses cannot be taken concurrently with the Emergency programme.

#### 2. One-Year Programme (Elementary):

This programme is for those with First Year University or Grade XIII standing. Students enrolling in it will be registered as Second Year Education students (by transfer). Credit will be given for their standing in First Year Education.

Education 100 .....	0
Education 102 .....	3
Education 202 .....	3
Education 203 or 204 .....	3
Education 205 .....	3
English 200 .....	3
Mathematics 203 .....	3

(No compulsory Physical Education for those taking Education 205.)

#### 3. One-Year Programme (Secondary) for Graduates:

Although the requirements for the Interim Professional Basic Certificate are satisfied by this course, a further 6 units are needed to satisfy the requirements for the Permanent Professional Basic Certificate.\*

Units

Education 100 .....	0
Education 206 .....	1½
Education 208 .....	1½
Education 301 .....	3
Education 400 .....	3
Education 404 .....	3
Education 410 .....	3

\* In the case of those who have had no English beyond English 100-101, the six units for permanent certification must include English 200, or 300 or 150 and 250.

Should candidates, after completing the above programme, wish to continue toward the B.Ed. degree, the following additional courses will be required:

Education 332 .....	3
One of Education 305, 307, 390, 411, 412, 415, 461, 490, 491 .....	3
English 300 or 400 or other approved course .....	3
Approved electives .....	6

**4. Two-year Programme for Teachers Holding a Normal School Diploma and the Elementary Basic Teaching Certificate and Proceeding to the B.Ed. Degree (Elementary Field):**

**Academic Courses**

English 200 .....	3
*One of English 201, first year language other than English, or Mathematics 101 or 120 or Fine Arts 101 .....	3
One of Biology 105, Geography 101 or another First Year science .....	3
English 300 or other approved course .....	3

\* Any one of these courses which have previously been taken for E-B credit may be replaced by academic or professional electives. If the student has not previously taken a history course, History 101 or 102 is strongly recommended.

**Professional Courses**

Education 331 or Psychology 301 .....	3
Education 400 .....	3
Education 461 or 309 .....	3

**Major Requirements**

Students may choose one major totalling not more than 15 units from the list headed "Teaching Majors for Elementary Teachers" pages 60 and 61 .....	15
Total .....	36

**5. Three-Year Programme for Teachers Holding a Normal School Diploma and the Elementary Basic Teaching Certificate and Proceeding to the B.Ed. Degree (Secondary Field):**

(Note: This programme is not suitable for students who will complete the requirements for the Elementary Basic Certificate through the Faculty and College of Education.)

**A. General**

English 200 .....	3
*Two of first year language other than English, Mathematics 101 or 120, first year science .....	6
One of English 300, second year language other than English .....	3

\* Any one of these courses which have previously been taken for E-B credit may be replaced by academic or professional electives. If the student has not previously taken a history course, History 101 or 102 is strongly recommended.

**B. Special Subject Fields\*\***

**Major Field A .....	15
Major Field B .....	15

\*\* Should some courses have been completed in the major fields, this 15 unit requirement may be reduced but the total requirement for the Third, Fourth and Fifth years will not be less than 48 units.

### C. Professional Subjects

Education 404 .....	3
One of Education 400, 332, or 461 .....	3
Total .....	48

#### 6. Programme for Students Transferring from Second or Third Year of Another Faculty to the Elementary Programme:

Students transferring from Second or Third Year of another faculty will be given credit, where possible, for all courses of these years. They will be required to take the Special Programme numbered 2 (above) substituting, if necessary, one of the senior courses for English 200. Second Year students will transfer to Third Year Education, conditioned standing; Third Year students to Fourth Year Education, conditioned standing.

Students with conditioned standing may resolve their deficiencies by taking courses in summer session.

#### 7. Programme in Elementary Education for Graduates of other Faculties:

Graduates of other faculties interested in teaching in the Elementary or Junior High Grades may qualify for the Interim Professional Basic Teaching Certificate by taking the Special Programme (No. 2), substituting for English, one of the Third or Fourth Year Education courses. Their Interim Certificates will be valid for four years, during which time they will be required to take a further 6 units of senior Education courses to fulfil the requirements for the Permanent Professional Basic Certificate.

## UNDERGRADUATE COURSES IN EDUCATION

### 100. Practical Teaching Laboratory and Seminar.

For both elementary and secondary teachers this course consists of a regular programme of guided practice teaching and observation in schools together with individual counselling and group seminar work both in school and college. All students are required to present a completed practice teaching laboratory book together with prescribed assignments to their Faculty Adviser as part of their examination in this course. No student can be awarded a degree or certificate who does not make a passing grade in this course. It is the laboratory course for the whole Education programme and so no units are awarded.

For this course students are organized into small counselling or advisory groups under a Faculty Adviser. The adviser is responsible for giving individual guidance concerning all matters connected with the training programme, but in particular those matters concerned with the preparation and conduct of lessons in school. The adviser along with other supervisors will visit each member of his group during the practice teaching periods, and will also ask other appropriate advisers to help in guiding the development of each student's art and skill as a teacher.

First Year students in the regular elementary programme will have their observation and practice teaching on Tuesday mornings. At the conclusion of their final examinations which begin in mid-April, 1959, they will have a block of two weeks of observation and practice teaching.

All other students in the elementary programme, who are taking their "Professional Year," will have their observation and practice teaching for the whole of each Thursday, starting on October 9th. The students will attend their allotted school for a block of continuous observation and practice from Thursday, November 13th to Friday, November 21st inclusive. Special demonstrations and laboratory periods may be organized for some of the Thursdays following November 21st.

During the second term a similar programme will be arranged. All students will attend their scheduled school for observation and practice on each Thursday — all day. Commencing on February 16th, all students will be required to carry on observation and practice teaching for two consecutive weeks (February 16th to 27th inclusive). Further demonstrations or observation and practice teaching may be organized on some of the Thursdays in March. Starting on April 27th a three-week period of continuous practice teaching will be required of all students in the various schools of the province. This is the most important period of practice teaching, and its satisfactory completion is, of course, essential to recommendation for certification.

It will be noted that all students taking this practical programme must (a) attend their allotted seminar (excluding the weeks of continuous practice), during which they will discuss their practice teaching and may be required to present projects and essays for group discussion; (b) attend a private counselling session by appointment with their adviser either weekly or bi-weekly; (c) present before March 31st the assignments prescribed and approved by their advisers, including their practice-teaching laboratory book; (d) complete and present to their adviser before May 16th the concluding part of their practice teaching laboratory book.

102. (3) **Principles of Teaching.**—This course is designed to give students an understanding of the bases of the learning and teaching processes. In addition the nature, aims and purposes of Education will be discussed. Careful attention will be given to the application of educational principles in preparing and presenting lessons, in developing good questioning techniques, in the use of teaching aids and in maintaining discipline.

Text: Oliver, **Effective Teaching.** (3-3; 3-3)

150. (3) **Introduction to Industrial Arts.**

200. (3) **Introduction to Education.**—This course consists of three lectures a week and one half-day practical work a week. This work consists at times of work at the College, and also includes a programme of observation and limited practice teaching in the schools. Students should arrange their time-table to have the last period of Tuesday morning free in order that they may be able to arrive at their schools before one o'clock.

The course content includes: nature, aims and purposes of education; the characteristics of good teaching and teachers; the preparation of various types of lessons; techniques of questioning; maintenance of discipline; classroom organization; making reports and keeping records; school law and the administrative organization of British Columbia schools. (3-3; 3-3)

201. (3) **Educational Psychology for Elementary Teachers.**—This course is designed to give students an understanding of the growth, learning, and guidance of elementary school pupils. It includes a study of elementary statistics, and their application in research and in school situations. Practical work on tests and measurements will be required together with directed observation in schools. Some attention will be given also to teaching arithmetic. To be given in 1958-59 only.

Text: Smith, **Psychology in Teaching.** (3-0; 3-0)

202. (3) **Curriculum and Instruction in Elementary Social Studies and Science.**—A study of elementary curriculum and instruction in science, health and social studies. (3-0; 3-0)

203. (3) **Primary Grades, Curriculum and Instruction.**—Designed to meet the needs of those intending to teach mainly in the primary grades. It is concerned mainly with the language arts. (4-0; 4-0)

204. (3) **Intermediate Grades, Curriculum and Instruction.**—Designed to meet the needs of those intending to teach mainly in the intermediate and junior high school grades. It is concerned mainly with the language arts. (4-0; 4-0)

205. (3) **Curriculum and Instruction in Art, Music and Physical Education.**—This course is designed to cover the whole range of Elementary School work in these subjects. (3-2; 3-2)

206. (1½) **Speech Training and Voice Production.**—This course is designed to help those with normal speech to make better use of their voices in school. A great deal of the strain and fatigue suffered by teachers is due to inefficient use or misuse of the voice. Clear articulate precise speech is the main stock-in-trade of every teacher. This course is concerned with the physiology and mechanics of good voice production and the art and skill of efficient and effective class instruction and public speaking. A good deal of practical work using tape recorders will be carried on. For those with speech impediments and irritating voice habits special remedial classes will be held. The course will also provide some instruction in the training of good speech with children and in speech therapy.

Text-book: Henderson, **Good Speaking.**

208. (1½) **Audio-Visual Techniques in Education.**—In this course the general theory of the audio-visual appeal to children, and the best methods of using materials to stimulate thought and incite further enquiry, are given special attention. The development of interest and motivation as well as attempts to retain a sense of reality in education are discussed in detail. Practical work is also very important both in the handling of apparatus and in the construction of materials.

- 230. (3) **Electricity in Industrial Arts.**
- 252. (3) **Draughting in Industrial Arts.**
- 301. (3) **Educational Psychology.**
- 305. (3) **Art Education.**
- 306. (1½) **Curriculum and Instruction in School Health Education.**
- 307. (3) **Music Education.**
- 308. (1½) **Curriculum and Instruction in Elementary School Physical Education.**
- 309. (3) **General Science for Elementary Teachers.**
- 330. (3) **The British Columbia School System.**
- 331. (3) **Psychology of Childhood.**
- 332. (3) **Psychology of Adolescence.**
- 333. (3) **Special Problems in Pre-School Education.**
- 336. (3) **Modern Theories of Pre-School Education.**
- 350. (3) **Technology of Woodworking I.**
- 351. (3) **Technology of Metalworking I.**
- 352. (3) **Mechanical Drawing.**
- 354. (3) **Welding.**
- 365. (3) **Oral French for Elementary Teachers.**
- 390. (3) **Librarianship: Sources of Information.**
- 400. (3) **Survey of Educational Thought.**
- 404. (3) **Curriculum and Instruction in Specific Secondary School Subjects.**
- 405. (3) **Curriculum and Instruction in the Kindergarten and Primary Grades — Advanced.**
- 406. (3) **Curriculum and Instruction in the Intermediate Grades — Advanced.**
- 407. (3) **Teaching the Mentally and Physically Handicapped.**
- 408. (3) **Teaching the Mentally Superior.**
- 409. (3) **Special Problems in Home Economics Education.**
- 410. (3) **An Introduction to School Administration.**
- 411. (3) **Guidance and Counselling Services in Schools.**
- 412. (3) **Introduction to Adult Education.**
- 415. (3) **Developmental Reading.**
- 450. (3) **Technology of Woodworking II.**
- 451. (3) **Technology of Metalworking II.**

- 452. (3) Curriculum in Industrial Arts Education.
- 453. (3) Auto Mechanics.
- 454. (3) Pattern Making and Foundry Practicc.
- 455. (3) Small Boat Building.
- 456. (3) Advanccd Carpentry.
- 457. (3) Industrial Arts Workshop.
- 461. (3) Diagnostic and Remedial Teaching.
- 490. (3) The Library in the School.
- 491. (3) The Acquisition and Organization of Library Materials.

### Teaching Majors for Secondary Teachers

Candidates for the Professional Basic Certificate must major in two, or complete an Honours equivalent in one, of the following subject areas. Arrangements for an Honours Course in a teaching subject are indicated on page 60. Courses carrying fewer than 3 units of credit are indicated by a smaller number in brackets following the course number, e.g., Horticulture 200 (1½). Only with the prior permission of the Director of Secondary Education may exceptions in any of the following course requirements for majors be granted.

#### 1. Agriculture

Prerequisites: Mathematics 101 or 120, Chemistry 101 or 102, Physics 101, Botany 105, Zoology 105.

Subject Courses:

Second Year—Agriculture 100 (1).

Senior Years—Animal Science 200 (1½), Horticulture 200 (1½), Soil Science 200 (1½), Agricultural Mechanics 200 (1½), Dairying 200 (1½), Poultry Science 200 (1½), Agricultural Economics 200 (1½), Agriculture 300 (1), Agronomy 200 (1½).

Note: The requirements of Agriculture 300 are completed by participation in the one-week field trip just prior to the registration week of the Fourth or Fifth Year.

#### 2. Art

Prerequisite: Fine Arts 101, Education 305 or 404.

Subject Courses: Fine Arts 300, 301, 302 and one of the following groups of two: Fine Arts 401, 402; Fine Arts 303, 403; Fine Arts 305, 405; Fine Arts 307, 407.

#### 3. Art(Double Major)

Prerequisite: Fine Arts 101, Education 305 or 404.

Subject Courses: Fine Arts 300, 301, 302, 401, 402, 404, 406, and one of the following groups of three: Fine Arts 303, 403, 413; Fine Arts 305, 405, 415; Fine Arts 307, 407, 417.

#### 4. Biological Sciences

Subject Courses:

First and Second Years—Botany 105, Zoology 105.

Senior Years—one of Botany 330 (2), Zoology 303, Biology 400, Zoology 418, Zoology 412; one of Botany 205, Zoology 202; one of Botany 425, Biology 320, Zoology 416, Biology 332-3.

Not more than 7 units may be taken in any one of Botany, Biology or Zoology.

Additional recommended courses: Mathematics 101 or 120, Chemistry 101 or 102, Physics 101, Physics 200 or 203, Chemistry 200 or 205, Geology 200.

#### 5. Combined Science Major

First and Second Years—Mathematics 101 or 120, 202, Chemistry 101 or 102, Physics 101, Geology 200 (Geography 101 may be substituted for Geology 200), a first year Biological Science (Biology 105 should be taken by students who are electing only one course in the Biological Sciences); and two of Chemistry 200 or 205,

Physics 200 and 201, a 2nd year Biological Science. (Science courses not in a student's two major fields of interest may be deferred).

Senior Years—Nine units of Third and Fourth Year courses in each of two of Chemistry, Physics, Mathematics, or a Biological Science (Biology, Botany, Zoology), as for a single Science or Mathematics major in Education.

Note: Students electing this combined major are required to take one only of English 200, English 300, English 150 and 250, subsequent to English 100-101.

6. Commerce (Secretarial Major)

First and Second Years: Commerce 90, 101.

Senior Years: Commerce 151, 201, 376, 391.

7. Commerce (Business Major)

First and Second Years: Commerce 90, 151.

Senior Years: Economics 200, Commerce 331, 376, 391.

8. Commerce (Double Major)

First and Second Years: Commerce 90, 101, 151, Economics 200.

Senior Years: Commerce 201, 252 or 363, 261, 376, 391, English 400.

9. Chemistry

Prerequisites: Mathematics 101 or 120, 202.

Subject Courses:

First and Second Years—Chemistry 101 or 102, 200 or 205.

Senior Years—Chemistry 300, 310 and three additional units chosen from Third or Fourth Year Chemistry.

Additional recommended courses: Two of Botany 105, Zoology 105, Biology 105, and Physics 200 or 203, and Geology 200.

10. English

Subject Courses:

First and Second Years—English 100-101, 200.

Senior Years—English 300; one of English 411, 412, 413; one of English 406, 424, 426, 430, 431; one of English 428, 429, 432, 433, 434, 435, 439.

Note: Two years of a language other than English may be required.

11. French

First and Second Years: French 120 (or 110), 220 (or 210).

Senior Years: French 302, and two of French 300, 301, 303, 400, 401, 402, 404, 405.

Note: Election of an additional course in French is strongly advised and election of one course in Latin, Greek, another modern language, or linguistics, is recommended.

12. Geography

Subject Courses:

First and Second Years—Geography 101, one of Geography 201, 207.

Senior Years—Geography 303, 409, plus one additional course from the 300 group of systematic courses.

13. German

For students wishing to major in German and a second language other than English, French is strongly recommended.

First and Second Years: German 120 (or 110 or 130), German 200.

Senior Years: German 300, 302, plus one additional senior German course.

14. History

First and Second Years: History 101 or 102.

Senior Years: History 201 or 311 or 312; History 304 or 313 or 314 or Classical Studies 331; another History course from Third or Fourth Year or a course acceptable for credit in History.

Additional required course: Geography 303.

15. Home Economics

First and Second Years—Home Economics 101 ((1½), 106, 105.

Senior Years— Home Economics 403 (1½), 300, and 3 units chosen from Home Economics 203 (1½), 410 (1½), 420 (1½) or 421.

#### 16. Industrial Arts

Prerequisites: Mathematics 101 or 120, Physics 101.

First and Second Years: Education 150, Mechanical Engineering 152, 352, or Education 252.

Senior Years: Education 350, 351, 451, 452.

#### 17. Industrial Arts (Double Major)

Prerequisites: Mathematics 101 or 120, Physics 101..

First and Second Years: Education 150, Mechanical Engineering 152 and 352, or Education 252 or Education 331.

Senior Years: Education 350, 351, 352, 354, 450, 451, 452, 453.

#### 18. Latin

First and Second Years: Latin 120 (or 110), 220 (or 210).

Senior Years: Latin 303, 310 (1½), and two of 304, 405, 406.

Note: Election of Classical Studies 331 is strongly advised and Greek 90 is recommended.

#### 19. Librarianship

English 201; Education 390, 490, 491; one of English 402, 435; History 201; Education 330, 332, 331.

#### 20. Mathematics

First and Second Years: Mathematics 101 or 120, 202.

Senior Years: Mathematics 306, 308, and one of 201, 300, 310.

#### 21. Music

Prerequisite: Fine Arts 101 and previous musical training satisfactory to the College of Education.

Music 201, Education 307 and either Music 302 and 303 or one of Music 302 and 303 plus one of Music 300, 301, 401, 403 or other approved course.

#### 22. Music (Double Major)

While no courses are as yet prescribed for a double major in Music it is intended that such courses will be available in the future. In the meantime the Faculty is prepared to give credit to those persons who have taken music courses elsewhere. Credits will be assessed when a transcript is submitted to the Registrar.

#### 23. Physical Education

First and Second Years: Physical Education 105 (2), 205 (2), 262 (1½).

Senior Years: Physical Education 305 (3), 405 (3), 460 (1½), 260 (1½), or 360 (1½), 361 (1½), or 462 (1½).

#### 24. Physics

Prerequisites: Mathematics 101 or 120, 202.

Subject Courses:

First and Second Years—Physics 101, 200 and 201.

Senior Years: Physics 300, 308, 400.

Additional recommended courses: Chemistry 101 or 102; two of Botany 105, Zoology 105, Biology 105; Chemistry 200 or 205; Geology 200.

#### 25. Social Studies (Combined Major)

First and Second Years: History 101 and 102; Geography 101, and 201 or 207.

Third and Fourth Years: (1) History 201 or 311 or 312; (2) Classical Studies 331 or History 304 or 313 or 314; (3) a Third Year Geography course; (4) Geography 409; (5) two approved three-unit courses from other Social Sciences or allied subjects.

#### 26. Spanish

For students wishing to major in Spanish and a second language other than English, French is strongly recommended.

First and Second Years: Spanish 120 (or 110), 201.

Senior Years: Spanish 304 and two other Spanish courses numbered 300 or above.

Note: Election of an additional Spanish course is strongly advised, and election of one Latin, Greek, another modern language, or linguistics course is recommended.

### 27. Theatre

Theatre 200 (may be taken concurrently with English 200); Theatre 300; Theatre 400 (may be taken concurrently with but not prior to Theatre 300), one of English 412, 413, Theatre 410.

### 28. Zoology

Zoology 105, 202, 6 units from general Zoology courses and 3 units from the special group of Zoology courses.

## Single Honours Courses

Students who have the required standing at the Second Year of the Bachelor of Education programme may specialize in one of the following subject areas:

Biology	History	Agriculture
Botany	Latin	Commerce
Chemistry	Mathematics	Home Economics
English	Physics	Physical Education
French	Spanish	
Geography	Zoology	
German		

Specialization in a single course requires the completion of 84 units of work in the five years of the Bachelor of Education programme. Programmes for subjects listed in the first two columns above are governed by the regulations for the Honours Curriculum of the Faculty of Arts and Science listed on page 27. Further details will be found under the subject heading in the section dealing with courses in Arts and Science, page 35-42.

Details for specialization in the subjects listed in the third column must be worked out with the heads of the faculty or school concerned.

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## TEACHING MAJORS FOR ELEMENTARY TEACHERS

Students must choose one major from the following list during their Third and Fourth years:

### 1. Exceptional Children

Education 407 and 408, and 9 units of Education 305, 307, 306 and 308, 411, 415, 461, 536.

### 2. Fine Arts

Prerequisites: Fine Arts 101 and Education 205.

Fine Arts 300 and 302; Education 305, and one of the following groups of two: Fine Arts 401 and 402; Fine Arts 303 and 403; Fine Arts 305 and 405; Fine Arts 307 and 407.

### 3. Physical Education

Physical Education 105 (2), 205 (2), 305 (3), 405 (3), 262 (1½), 260 (1½), or 360 (1½), 460 (1½), 462 (1½), 361 (1½).

### 4. Intermediate Division

Education 406 and Education 415 and any 9 units chosen from the following: English 201 (compulsory if not already taken), Education 305, 306 and 308, 307, 309, 365, 407, 408, 410, 411, 461.

(Other electives may be added to this list.)

### 5. Pre-School and Primary Division

Education 405 and any 12 units chosen from the following: English 201, Psychology 301, Education 305, 307, 331, 333, 336, 407, 408, 415, 461.

**6. Librarianship**

English 201, Education 390, 490, 491 and 3 units from English 402, 435, History 201, Education 331.

**7. Music**

Prerequisite: Fine Arts 101 or its equivalent and previous Music training, Music 201, and either Music 302 and 303 or one of Music 302 and 303 plus one of Music 300, 301, 401, 403, and Education 307.

**8. Combined Major**

6 units in one academic subject and 9 units of approved professional courses.



VICTORIA COLLEGE, VICTORIA, B.C.

## COURSES LEADING TO THE DEGREE OF B.A.Sc. (APPLIED SCIENCE)

(Four-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College).

The degree of Bachelor of Applied Science is granted on completion of the work in one of the courses given below:

1. Agricultural Engineering,  
(not offered in 1958-59.)
2. Chemical Engineering.
3. Civil Engineering.
4. Electrical Engineering.
5. Forest Engineering.
6. Geological Engineering.
7. Mechanical Engineering.
8. Metallurgical Engineering.
9. Mining Engineering.
10. Engineering Physics.

### Admission

For admission to courses in Engineering, a student must have completed the first Year in Arts and Science or its equivalent at an approved university or by Senior Matriculation.

Required subjects are:

English 100 and 101

Chemistry 101 or 102

Mathematics 101 or 120

Physics 101

Language: one of the following—Latin 110 or 120, French 110 or 120, German 90 or 110 or 120 or 130.

The passing grade for entrance to courses in Engineering is 60 per cent. in Mathematics, Chemistry and Physics, and 50 per cent. in other subjects.

No student with deficient standing will be admitted to the First Year of Applied Science.

Students intending to enter Applied Science are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation.

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## COURSE LEADING TO THE DEGREE OF B.Arch. (Architecture)

(Five-year course, for which the prerequisite year in Arts and Science may be taken at Victoria College).

For admission to the School of Architecture, a student must have completed the First Year in Arts and Science or its equivalent at an approved university or by Senior Matriculation, and must have obtained an average grade of at least 60 per cent.

Required subjects are:

English 100 and 101

Chemistry 101 or 102

Mathematics 101 or 120

Physics 101

Language: one of the following—Latin 110 or 120, French 110 or 120, German 90 or 110 or 120 or 130.

A reading knowledge of French or German is highly desirable.

Before registering in Architecture, a student is required to arrange an interview with the Director or a member of the staff of the School to discuss the qualifications necessary to ensure success in the course.

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## COURSE LEADING TO THE DEGREE OF B.S.N. (Nursing)

### Nursing A (for High School Graduates)

Upon satisfactory completion of this Course, students receive the degree of Bachelor of Science in Nursing (B.S.N.) and are qualified for staff nursing positions in public health agencies as well as in hospitals. Those with the ability can progress through appropriate experience to more responsible positions. Only the First Year of the Course may be taken at the College and the requirements are as follows:

English 100 and 101

Chemistry 101 or 102

Zoology 105, or Biology 100 (Senior Matriculation).

\*Mathematics 100 or 101 or 120

One additional course selected from: Economics 100, History 101, 102, Psychology 100, a language other than English.

### Requirements for Formal Admission to the School of Nursing

Formal application for admission to First Year Nursing should be submitted not later than August 15th. The requirements are:

1. Satisfactory completion of the first year of the curriculum. Students must have obtained 60 per cent. in either Zoology or Chemistry, or, in lieu of this, an overall average of at least 60 per cent. In other subjects at least 50 per cent. is required.

2. Establishment of eligibility for admission to the Vancouver General Hospital School of Nursing for the Second and Third Year Nursing. Instructions as to procedure should be obtained from the Director of the University School of Nursing.

3. A personal interview with the Director of the University School of Nursing.

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## COURSE LEADING TO THE DEGREE OF B.S.F.

(Bachelor of Science in Forestry)

The degree of Bachelor of Science in Forestry is granted on the completion of four years work in the Faculty of Forestry.

The courses in Forestry provide a strong, well-rounded professional forestry training and at the same time give the student, through his choice of electives, an opportunity to supplement his knowledge of allied sciences, as a background toward further specialized training. This objective is attained by requiring the student to take during each academic year a basic core of essential subjects and a certain number of other courses which are elective. The choice of the student's electives is governed by the particular phase of forestry in which he is interested. The main phases of technical forestry or allied fields are: Forest Management, Forest Business Administration, Forest Harvesting, Forest Products and Wood Technology, Forest Pathology, Forest Entomology and Wildlife Management.

### Admission

For admission to Forestry, a student shall have completed the First Year in Arts and Science at the University of British Columbia, or its equivalent at an approved university or by Senior Matriculation.

Students who plan to enter Forestry should register for the following courses in First Year Arts and Science or in Senior Matriculation:

Botany 105 (or Physics 101).

Chemistry 101 or 102.

English 100 and 101.

Mathematics 101 or 120.

One additional course.

A student who does not have credit for either Botany 105 or Physics 101 may be admitted to First Year Forestry but must consult the Dean before registering.

Students intending to enter Forestry are advised to present Chemistry 91, Mathematics 91, and Physics 91 for High School Graduation (University Programme).

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## COURSES LEADING TO THE DEGREE OF B.S.A.

(Bachelor of Science in Agriculture)

The degree of Bachelor of Science in Agriculture (B.S.A.) is granted as a General Course degree or with Honours. The General Course leading to the degree of B.S.A. covers a period of four years. The course leading to the degree of B.S.A. with Honours covers a period of five years and may be taken in various specialized fields of study.

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\* Students who have completed Mathematics 91 and obtained a mark of at least 65% may substitute for Mathematics a second course chosen from the group of additional courses listed.

The requirements for the First year consist of 16 units, as outlined below:

- (a) Agriculture 100 (1 unit)
- (b) Botany 105 or Zoology 105
- (c) Chemistry 101 or 102
- (d) English 100 and 101
- (e) Mathematics 101 or 120
- (f) Elective (3 units)

Students taking one year's work at the College will lack four units of work in Agriculture which may be taken during the Second Year at the University.

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### COURSE LEADING TO A DEGREE IN PHARMACY

The course in the Faculty of Pharmacy covers a period of three years and leads to the Degree of Bachelor of Science in Pharmacy (B.S.P.).

For admission to Pharmacy it is required that the student shall have completed the First Year in Arts and Science with credit for the courses shown below and an average grade of at least 60 per cent., or that he shall have fulfilled these requirements by Senior Matriculation or equivalent work taken in an approved university.

The required subjects are Chemistry 101 or 102; English 100 and 101; Mathematics 101 or 120; Physics 101 or Zoology 105 (or Senior Matriculation Biology 100); and one optional subject to be chosen from Economics 100, French 110 or 120, Geography 101, German 90 or 110 or 120 or 130, History 101 or 102, Latin 90 or 110 or 120, Philosophy 100, Psychology 100, Spanish 90 or 110 or 120.

In order to practice Pharmacy in the Province of British Columbia it is necessary to be licensed by the Pharmaceutical Association of the Province. The licensing requirements include twelve consecutive months of practical training which must be completed: (a) prior to attendance at the Faculty of Pharmacy or (b) following graduation with the B.S.P. degree.

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### COURSE LEADING TO BACHELOR OF LAWS

Candidates must present evidence of having:

- (a) graduated in an approved course of studies from an approved university; or
- (b) successfully completed the requirements of the Faculty of Commerce and Business Administration in the combined B.Com., LL.B. course in the University of British Columbia; or
- (c) successfully completed the first three years of the course leading to the degree of Bachelor of Arts in the University of British Columbia and either (i) obtained at the regular sessional examination in the Third Year thereof an average of not less than 65% or (ii) obtained in the combined results of the regular sessional examinations in the Second and Third Years thereof an average of not less than 60%\* (effective September, 1960)\*\*; or
- (d) successfully completed the equivalent of (b) or (c) at an approved university.

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### COURSE LEADING TO A DEGREE IN MEDICINE

Admission to the Faculty of Medicine is based primarily upon ability and pre-medical achievement as demonstrated by scholastic records and aptitude tests, and on personal qualities as evidenced by interviews and letters of recommendation from persons who know the applicant well.

It is required that candidates shall have completed the equivalent of three full years in the Faculty of Arts and Science at the University of British Columbia. The minimum acceptable scholastic average is Second Class standing (65 to 80 per cent.).

Classes entering the First Year of Medicine are limited to sixty (60) students.

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\* Students proposing to seek admission to the Faculty of Law are strongly recommended to take Commerce 151.

\*\* For admission requirements September, 1958 and 1959, see Calendar for 1957-58.

Candidates are to take the Medical College Admission Test before the Fall of their Third Year of pre-medical training. Information about this test may be obtained from the Educational Testing Service, P.O. Box 592, Princeton, New Jersey. At the time the test is taken, the student should request that the scores be sent to the Screening Committee, Faculty of Medicine, University of British Columbia, Vancouver 8, B.C.

### Pre-Medical Requirements

The requirements listed below apply to students taking their pre-medical work in the Faculty of Arts and Science at the University of British Columbia. Two years of the course may be taken at Victoria College.

**English:** English 100 and 101 (Literature and Composition).

**Mathematics:** Mathematics 101 or 120 (Algebra, Geometry and Trigonometry).

**Chemistry:** Chemistry 101 or 102 (General Chemistry), Chemistry 200 (Quantitative and Qualitative), Chemistry 300 (Organic Chemistry).

**Physics:** Physics 101 (Elementary Physics).

**Zoology:** Zoology 105 (General Zoology).

The student should select other courses to conform with the requirements for a baccalaureate degree. In general, medical school courses should not be anticipated.

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## EVENING DIVISION

Director: Robert T. D. Wallace, M.A.

Regular First and Second Year courses in Arts are offered in the evenings at Victoria College. In addition, certain Third and Fourth Year courses in Arts and Science and in Education are given with the approval of the Senate of the University. An opportunity to register for these courses is provided during September and any course for which there is sufficient registration will be given. The Evening Division term is the same as that of the Regular Session and classes are conducted on Tuesday and Thursday evenings at 7:30 p.m. No student may take more than one Evening Division Course (3 units) in each session.

In addition to the Regular Credit Courses, the Evening Division offers a limited number of non-credit courses. The courses to be offered in the Fall of 1958 will be announced during the late summer and registration by mail will be arranged early in September.

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## SUMMER SESSION

The announcement of the courses to be offered in the Summer Session (approximately seven weeks in length) will be issued, if possible, before Easter, and will be available on request from the Registrar.

The regulations, etc., governing the Summer Session are as follows:

1. The maximum credit for Summer Session work in any one calendar year is 6 units.
2. Students are required to register on or before the opening day of the session. A fee of five dollars (\$5.00) will be charged for late registration.
3. All students desiring to obtain formal credit for work done in the Summer Session must, upon entrance, present evidence of High School Graduation (University Programme) of this Province, or its equivalent.
4. Students must attend regularly the classes in a course for which they register. Those whose unexcused absences from such a course exceed one-eighth of its total number of meetings will not be credited with attendance in that course.
5. For statement of fees, see page 14.
6. Summer Session examinations are held at the close of the Summer Session.
7. For regulations regarding standing, credit, and supplementals under-graduates should refer to pages 33 and 34.

## REGISTRATION FOR SESSION 1957-58

Regular Session	Men	Women	Total
First Year Arts and Science .....	211	92	303
Second Year Arts and Science .....	73	18	91
First Year Commerce & Business Adm. ....	13	—	13
Totals .....	297	110	407
 <b>College of Education</b>			
One Year Emergency Programme (Grade XII) .....	20	57	77
One Year Programme (Grade XIII or better) .....	21	37	58
First Year B.Ed. (Elementary) .....	9	63	72
Second Year B.Ed. (Elementary) .....	4	37	41
First Year B.Ed. (Secondary) .....	5	3	8
Second Year B.Ed. (Secondary) .....	6	1	7
Third Year B.Ed. (Secondary) .....	2	—	2
Totals .....	67 <sub>364</sub>	198 <sub>25</sub>	265 <sub>370</sub>
Evening Division Credit Courses .....	105	66	171
Evening Division Non-Credit Courses .....	349	466	815
Summer Session, 1957 .....	151	318	469

### UNIVERSITY NAVAL TRAINING DIVISION

Since the war the U.N.T.D. has carried on an officer training programme for the Royal Canadian Navy and the Reserve Force. Thus students who are interested in the Navy may avail themselves of training which will develop qualities of leadership, loyalty, sound physique and self-confidence, while fitting themselves for commissions in the Regular or Reserve Force.

All applicants undergo medical and personnel tests prior to enrolment, to determine their fitness.

1. Royal Canadian Navy—Students interested in the Royal Canadian Navy as a career are selected and enrolled under the “Regular Officers’ Training Plan (R.O.T.P.)” as Cadets, R.C.N. Application for admission must be made not later than July 1st in the year of entrance. Application forms and information may be obtained from the Regular Officer Training Plan Selection Board, National Defence Headquarters, Ottawa.

The Royal Canadian Navy pays for books and instruments, all tuition and other essential fees together with a subsistence allowance of \$65 per month plus pay of \$63 per month during the academic year. R.O.T.P. Cadets receive pay at the rate of \$63 per month during periods of practical Summer Training.

2. Royal Canadian Navy (Reserve)—A student interested in a commission in the Royal Canadian Navy (Reserve) is enrolled as a Probationary Cadet. Recruiting will normally cease in mid-November. During January of his first year he appears before a Regional Selection Board and, if found suitable, is promoted to Cadet, RCN (R).

As a Cadet, he must complete three winters and two summers of training with U.N.T.D. and have at least three years of University to his credit in order to be considered for promotion by Selection Boards to Acting Sub-Lieutenant. He may claim up to sixteen days pay for regular drills during the winter.

During each summer training period, at Naval Establishments and in Ships, Reserve Cadets are paid at the rate of \$210 per month with uniforms, medical care, board and accommodation provided. A Reserve Cadet, if he desires, may apply for a Regular Service Commission.

Full information may be obtained through Staff Officer, H.M.C.S. Malahat. Applications are to be submitted at the College to the Recruiting Officer on or after September 18th, 1958.

## CANADIAN OFFICERS' TRAINING CORPS

The U.B.C. Contingent of the C.O.T.C., of which the Victoria College detachment forms a part, was re-established in 1928 and has operated continuously since that time.

The revised programme governing training in the C.O.T.C. provides an opportunity for selected students to qualify for commissions in the Canadian Army, Regular and Militia. Upon acceptance, the candidate is appointed as an Officer Cadet with the status of 2/Lt. at a basic pay rate of \$210 per month. He is required to devote a minimum of three hours per week at the College to theoretical training in the Winter Session, during which he may earn up to \$100, and he may engage in summer training for a minimum of 12 weeks and up to a maximum of 22 weeks during each of two summers at one of the various Corps Schools of the Regular Army across Canada. The third summer he spends as a junior officer in one of the Regular Army units in Canada or in Germany. On the successful completion of his military training, and upon graduating from the University, the Officer Cadet is qualified for the rank of Lieutenant. A number of officers are accepted into the Regular Army each year. A Regular Officer Training Plan (R.O.T.P.) has also been established whereby selected students with Junior or Senior Matriculation will be subsidized throughout University to their degrees. Their tuition and books will be paid for and, in addition, they will receive an allowance of \$128 per month during the University terms. During the summers they receive \$63 per month all found. On acceptance for R.O.T.P. a student must undertake to serve in the Regular Army for a minimum of three years following graduation.

All inquiries for information should be directed to the Officer Commanding, Victoria College Detachment, C.O.T.C. Consultation with the Resident Staff Officer may be had at the College where the academic year opens in September.

## R.C.A.F. (RESERVE) UNIVERSITY SQUADRON

The detachment of the R.C.A.F. Primary Reserve Squadron located at the Victoria College Campus offers undergraduates an opportunity to qualify for commissions in the Regular and Reserve components of the R.C.A.F.

Training is carried out at weekly parades during the academic year and at R.C.A.F. Stations during the five-month summer recess. This training is designed to develop character and leadership and to qualify students for a commission in one of the branches of the Air Force.

Students who desire to make the R.C.A.F. a career may be enrolled as Flight Cadets in the R.C.A.F. Regular, under the Regular Officer Training Plan. By agreeing to remain with the air force a minimum of three years after graduation, the selected candidate receives a monthly salary of \$63, a living allowance of \$65 per month or equivalent, and a book allowance of \$75 per year in addition to the College fees. Male students under 25 years of age who meet the medical and academic standards may apply for training under this plan. Preference, however, is normally given to undergraduates taking pre-Engineering or Honours Mathematics and Physics courses.

On the other hand, undergraduates who are interested in the R.C.A.F. on a reserve basis, may enroll in the air force under the University Reserve Training Plan (U.R.T.P.). This plan offers three summers and winters of Reserve training for the student who is accepted. While undergoing training U.R.T.P. members have the status of officers and hold the rank of flight cadet. On completion of three years of training, the successful candidate receives his commission and is promoted to Pilot Officer. Both male and female undergraduates may make application for training under the U.R.T.P. in an air force branch allied with their academic studies. Accepted students are paid at the rate of \$210 per month during the summer. Food, clothing, and lodgings are all provided during this period. For full attendance at parades during the academic year, U.R.T.P. members may receive a maximum of 16 days pay amounting to approximately \$100.

Aircrew training is open only to members of the R.O.T.P. Non-aircrew training covers both technical and non-technical branches. The technical branch is broken down into the following components: Aeronautical engineering, armament engineering, construction engineering and telecommunications engineering. The non-technical

branch has the following components: accounts, administration, education, personnel specialist recreation, supply, ground defence, flying control, fighter controller, ground observer, and security.

Additional information may be secured by contacting Flight Lieutenant G. G. McOrmound, Resident Staff Officer at the College.

### SCHOLARSHIP WINNERS FOR 1956-57

Percy H. Elliott Memorial Scholarship.....	A. J. Stewart Smith
Royal Institution and Frank Eaton Memorial Scholarship.....	Barbara J. Davidson
Alliance Française Prize.....	Alvin E. J. Ford
T. Eaton Company Limited Scholarship.....	John M. Gilliland
by reversion to.....	Angeline Mar
Kiwanis Scholarship.....	John M. Gilliland
Quita Nichol Bursaries — Second Year.....	Barbara J. Davidson
by reversion to.....	Alexander A. Sokalski
First Year.....	Roger N. Stone
First Year.....	John M. Gilliland
University Women's Club Scholarship.....	Claudia J. Butler
Kathleen Agnew Scholarship.....	Margaret I. Voght
Hudson's Bay Company Scholarship.....	Graham N. T. Elliston
Sidney Roofing and Paper Company Scholarship.....	A. J. Stewart Smith
Canadian Legion, B.E.S.L., (Victoria, B.C.), Sir Percy Lake Memorial Scholarship.....	Michael C. L. Gerry
British America Paint Company Scholarship.....	Geoffrey Horner
Victoria Municipal Chapter Imperial Order of the Daughters of the Empire Scholarship.....	Michael C. L. Gerry
Kinsmen Club of Victoria Scholarship.....	Alexander A. Sokalski
Esther Pearce Memorial Prize.....	Margaret I. Voght
John Wesley and Emily E. Church Memorial Scholarship.....	Claudia J. Butler
Ker Scholarship.....	Paul A. Phillips
Victoria Lions Club Scholarship.....	Meredith Savale
by reversion to.....	Gwyneth A. Macdonald
Victoria Rotary Club Scholarship.....	Joanne M. Dawson
I.O.D.E. Golden Jubilee Scholarship.....	Harlene V. Christensen
British Columbia Telephone Company Scholarship.....	John M. Gilliland
by reversion to.....	Harold A. Menkes
Arthur S. Denny Scholarship.....	David T. McClimon
Wyllie Prize.....	Barbara J. Davidson
by reversion to.....	Hanne G. Jensen
Madame Sanderson Memorial Scholarship.....	Barbara J. Davidson
by reversion to.....	Barbara A. Sanson
Robert V. Anderton Memorial Scholarship.....	Meredith Savale
by reversion to.....	John P. Greenhouse
Benny Nicholas Memorial Award.....	John F. P. Manning
Island Tug and Barge Limited Scholarship.....	Geoffrey Horner
University Extension Scholarship.....	Marlene R. Hunt
Frank D. Lee Scholarship.....	J. Thomas English
Fred Spencer Scholarship.....	D. Wendy Harris
The Vancouver Island Branch, Engineering Institute of Canada, Scholarship.....	Gordon O. Wilkie
Victoria Council, United Commercial Travellers of America, Scholarship.....	Barbara J. Davidson
by reversion to.....	Alvin E. J. Ford
Yorkshire and Canadian Trust Limited Scholarship.....	Margaret I. Voght
by reversion to.....	Marion E. Petter

Yarrows Limited Bursary.....	Alexander M. Robinson
Alan Pratt Memorial Scholarship.....	Barbara A. Sanson
British Columbia Electric Company, Limited, Scholarship.....	Roger N. Stone
Victoria Gyro Club Scholarship.....	Robert H. Farquhar
British Columbia Cement Company Scholarship.....	John M. Gilliland
by reversion to.....	Harold A. Menkes
British Columbia Electric Railway Company Limited Proficiency Scholarship.....	Myrna C. Hunter
Army, Navy and Air Force Veterans of Canada Association Scholarships.....	Barbara-Jeanne Dickout and Keith J. Hannett
General and Mrs. G. R. Pearkes Prize.....	John M. Gilliland
Hudson's Bay Company Scholarship for Merchandising.....	Frederick S. Green
Harold M. Diggon Memorial Bursary.....	Barbara J. Davidson
Rosalind W. Young Scholarship.....	Anna Mae Aie
by reversion to.....	Elizabeth A. Belobaba
Clearihue Bursary.....	Thordis A. Anderson
The Ladies' Auxiliary of Victoria Unit No. 12, Army, Navy and Air Force Veterans of Canada, General Proficiency Scholarships.....	Barbara L. Wallace and Joseph J. Haegert
Special Prize for Classics.....	Marlene R. Hunt
Birks Gold Watch.....	A. J. Stewart Smith
Gruen Gold Wrist Watch.....	John M. Gilliland
Book Prize for English.....	Joanne M. Dawson
Slide Rule Prizes for Science.....	John M. Gilliland and Geoffrey Horner
French Government Book Prizes.....	Alvin E. J. Ford and Roger N. Stone
German Government Book Prizes.....	Alvin E. J. Ford Laurence P. Kitching John M. Gilliland and Meredith Savale

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