

EXPLANATION OF COURSE-NUMBERS

A course whose number is lower than 10 is, in difficulty and weight, equal to a Secondary School Grade XII (Ontario) course in the same subject.

First year general courses are numbered between 10 and 19; they are, in difficulty and weight, equal to a Secondary School Grade XIII (Ontario) course in the same subject.

Second year general courses are numbered between 20 and 29; second year honors courses, between 200 and 299.

Third year general courses are numbered between 30 and 39; third year honors courses between 300 and 399.

Fourth year general courses are numbered between 40 and 49; fourth year honors courses, between 400 and 499.

In the General Course, 20 to 29 indicate introductory courses at the college level, called Junior courses; 30 to 49 indicate Senior courses.

A course whose number is followed by -a is given in the first term only; followed by -b, in the second term only; followed by --x is given in an affiliated college only.

A half course is one which meets less than two hours a week throughout the academic year, or less than four hours a week in one term.

REQUIREMENTS FOR B.A. AND B.Sc. DEGREES

For the general admission requirements, see page 107.

An applicant presenting the full requirements may expect to graduate with a General Course degree in three years, or with an Honors Course degree in four years, subject to the provisions of each course.

Every prospective Honors Course student enters Junior Group 1 or Junior Group 2 of the General Course, for one year. Every other student enters Junior Group 1 or Junior Group 2 or one of the specialized courses (II-VIII on pages 35-38).

The purpose of the Junior Group system is to postpone a freshman's decision regarding his course until the end of his first year, when he is more likely to choose intelligently than if his decision is made while he is still in the secondary school.

THE JUNIOR GROUPS

Junior Group 1

(a first year composed mainly of Mathematics and Science subjects)

Requirements for Admission: Grade XIII standing in English, Mathematics (three papers), French or German or Latin, Chemistry and Physics. For admission to Honors Biology, it is advisable to take Botany or Zoology (or both) instead of Trigonometry and Statics.

Subjects

Chemistry 20
 English 20
 Physics 20
 Three options from: Botany 20,
 Geology 20, Mathematics 24,
 Zoology 20

Subjects*

English 29
 Health Lectures
 Library Science
 Physical Education

*These are half-courses or less than half-courses, in weight

This group is the prerequisite of all the Honors Natural Science courses and Honors Mathematics and Physics. It is *one* of the Junior Groups acceptable for Honors Geography, Honors Mathematics, Honors Philosophy and Honors Psychology.

A student expecting to enter an Honors Course should consult the program of his proposed course before selecting his options in Junior Group 1.

Junior Group 2

Requirements for Admission: Grade XIII standing in English, Latin or Mathematics (any two of Algebra, Geometry, Trigonometry and Statics), and two of: History, Biology, Physical Science (Physics and Chemistry), Music, one or more languages other than English. In 1957 a Grade XIII language other than English will be essential for admission.

NOTE: If it is permitted by the Admissions Committee, a deficiency in one subject of Grade XIII may be made up, in the first year, through the completion of an appropriate University course.

Subjects

English 20
 French 20 *or* another language 20
 Latin 20 *or* Mathematics 20 *or* a
 Natural Science at the 20-29 level
 Two of: Economics 20, History 20,
 Philosophy 20
 One of: Business 20, Economics 20,
 Geography 20, History 20, Journal-
 ism 20, Mathematics 20, Music
 20, Philosophy 20, Psychology
 20, another language, another
 science.

*Subjects**

English 29
 Health Lectures
 Library Science
 Physical Education

*These are half-courses or less than half-courses, in weight

(1) This group is the prerequisite of the following Honors Courses: Business Administration, Business Administration and Secretarial Science, Classics, Economic and Political Science, English and French, English and German, English and Latin, English and Philosophy, English Language and Literature, French and Latin, History, Journalism, Modern Languages, Psychology, and Honors Physical, Health and Recreation Education.

Junior Group 2 is acceptable for Honors Geography, Honors Mathematics (without Physics), Honors Philosophy, and Honors Psychology.

A student expecting to enter an Honors Course should consult the program of his proposed course before selecting his options in Junior Group 2.

(2) No Grade XIII or Junior Matriculation standing is to be allowed to substitute for a natural science in a Junior Group.

(3) No course numbered between 1 and 9 may be counted toward a degree unless followed by a second course in the same subject.

(4) Not more than one course from those numbered between 10 and 19 may be counted toward a degree in the General Course.

I. THE GENERAL COURSE WITH JUNIOR AND SENIOR DIVISIONS

(1) The Department of Education of Ontario accepts a degree in the General Course as the academic qualification for a High School Assistant's Certificate, Type B, for teaching in the elementary or secondary schools of Ontario.

(2) Any student who entered the University before September, 1954, may complete the old General Course or the new course (see next page). For details of the old General Course, see the Registrar's Office.

Senior Groups A and B (see page 32)

Group A follows Junior Group 1 (on previous page); Group B follows

Junior Group 2 (above)

THE GENERAL COURSE

THE NEW GENERAL COURSE IN ARTS AND SCIENCE

JUNIOR AND SENIOR GROUP COURSES WHICH CONSTITUTE THE SEVENTEEN-COURSE PROGRAM

(Six full courses in each Junior Group, six in the second year, and five in the final year)

JUNIOR COURSES

DIVISION A

(The Humanities)

AT LEAST FOUR COURSES ARE TO BE SELECTED (three of which must be Senior Courses)

Departments

Classics:

Greek 1, 10, 20, 29

Latin 1, 10, 20

English 20

German 1, 10, 20

Hebrew 1-10 or 1 and 10, 20

Music 10, 20 or 20S

Philosophy 20

Romance Languages:

French 10, 20

Italian I, 10, 20

Spanish 1-10 or 1 and 10, 20

DIVISION B

(The Social Sciences)

AT LEAST FOUR COURSES ARE TO BE SELECTED (three of which must be Senior Courses)

Departments

Economic and Political Science:

Economics 20

Sociology 28

Geography 20

History 20

Psychology 20

SENIOR COURSES

Classics:

Greek 30, 40

Latin 30, 39, 40

English 32, 36, 38, 45, 49 (39, 46 under specific conditions)

German 22, 30, 40, etc.*

Hebrew 200, 30 (300), 40 (400)

Music 30

Philosophy 30, 31, 35, 36, 42, 43, 44, 47, 48, etc.* OR**

Romance Languages:

French 30, 40, 48, 270 or 271, 290, etc.*

Spanish 30, 31, 40, 41, 250, 360*

Economic and Political Science:

Economics 30, 33, 34, 44, 46, 257, 351a, 353, 355, 450, 453, 455

Politics 32, 42, 351b, 452, 462b

Sociology 38, 39x, 48, 49

Geography 30 (330), 35 (335), 39 (239), 40 (440), 44 (444), 45 (445)

History 31, 33, 35, 36, 44, 354b or 356a, and 30 (see the conditions below)****

Psychology 30, 35, 36, 38, 39, 46, 48, 49 (30 is for Science students only, and 38 is only for those who have had 35)

English 35 is acceptable as the one for English if taken as part of and year Honors English. - M. M. K.

*Honors Courses by permission of the Head of the Department only.

**In the affiliated colleges, Philosophy 30x-36x, 42x-47x.

***If the prerequisites of the corresponding Honors courses have been satisfied.

****History 30 may not be taken by anyone who has credit for History 20 or 36 or 21 or 45, 46.

THE NEW GENERAL COURSE IN ARTS AND SCIENCE

JUNIOR AND SENIOR GROUP COURSES WHICH CONSTITUTE THE SEVENTEEN-COURSE PROGRAM

(Six full courses in each Junior Group, six in the second year, and five in the final year)

JUNIOR COURSES

DIVISION C

(The Natural Sciences)

AT LEAST TWO COURSES ARE TO BE SELECTED (one of which must be a laboratory Science)

Departments

Botany 20
Chemistry 20
Geology 20 or 21
Mathematics and Astronomy 20, 24, 29
Physics 20, 21
Zoology 20, 21, 24

DIVISION D

(Other Subjects)

These subjects may not be used as Major or Minor subjects and NOT MORE THAN TWO COURSES may be counted toward a General Course degree.

Departments

Business Administration 20
Home Economics 23, 24, 25, 26
Journalism 20
Military Studies
Physical, Health and Recreation Ed. 20
Religious Knowledge (in the affiliated colleges) 10x, 20x, 21x
Secretarial Science (not available for General Course students; those who have transferred from Secretarial Science to the General Course may count their two best courses from Secretarial Sc. 28, 29, 30, 36, 37, 38, 39)

SENIOR COURSES

Botany 31a, 32b, 33a, 36b, 43b, etc.*
Chemistry 32, 33, 44, 46
Mathematics 30, 33, 34, 35, 42, 45***
Physics 31, 41 etc.*
Zoology 34, 37, 41, 43, 45

Biblical Literature (Old or New Testament 40x)
Business Administration 250
Home Economics (not available for General Course students)
Journalism*
Physical Health and Recreation Ed. 251, 258, 266, 352, 353, 375, 382
Religious Knowledge (in the affiliated Colleges) 30x, 31x, 32x, 37x, 40x, 42x, 43x, 44x, 47x
Secretarial Science (not available for General Course students)

NOTE: Students who plan to enter professional Schools of Social Work must include Economics 20, Politics 32, Psychology 20 and Sociology 28 in their Arts programs.

The Senior Groups

When a student enters a Senior Group, he must select a Major and a Minor subject from the Humanities (Division A), the Social Sciences (Division B), or the Natural Sciences (Division C).

See the previous page for a complete list of the subjects in each Division.

After a student has selected his Major subject, he must consult with the Head of that Department regarding his choice of options. Some Heads of Departments will permit General Course students to do some Honors work.

The Major and the Minor subject may not be selected from the same Division nor from Division D. A Major subject consists of three (but not more than four) "Senior" options in one Department; a Minor subject consists of two "Senior" options in another Department and another Division.

Two of the Major options shall be taken in the final year. Either one or two Major options may be taken in the second year.

Senior Group A

(open to any student who has completed

Junior Group 1)

Second Year

Subjects

French 20 or German 20 or Latin 20
Economics 20

One option from the Major subject
(presumably from Division C)

One option from the Minor subject
(presumably from Division A or B)

*One option from English (32, 36, 38, 45, 49), History 36, Philosophy 30 or 32, Psychology 30

Another option from the Major subject or a Senior option from any Division in which another is needed (see section 2 on the next page)

*All four subjects must be taken ultimately; if one of them is selected as a Minor subject, another ought to be taken as the sixth subject in the second year.

Third Year

The courses not selected previously from: Senior Group English, History 36, Philosophy 30 or 32, Psychology 30

Two options from the Major subject

One option from the Minor subject

Note: It may be necessary to take one more option (see section 2 on the next page). If you wish to take any work from Division D, you may do so, but only as an extra course.

Senior Group B

(open to any student who has completed

Junior Group 2

Second Year

Subjects

One option from the Major subject

One option from the Minor subject

*English 32 or 36 or 45 or 49

**Two subjects not previously selected from: Economics 20, History 20 or 36, Philosophy 30, Psychology 20, a Laboratory course in Natural Science
Another option from the Major subject or a Senior option from any Division in which another is needed (see section 2 on the next page)

*This course may be counted as a Major or a Minor option in English. The student majoring in English must limit himself to two Senior English courses in the Second Year.

**All five subjects must be taken ultimately; if Phil. 20 was not selected in the Junior Group, Phil. 30 must be studied in the Senior Group.

Third Year

A Laboratory course in Science (unless both courses from Division C have been done, in which case a Senior option should be selected instead)

Two options from the Major subject

One option from the Minor subject

One option from Senior courses in any Division in which another is needed (see section 2 on the next page)

General Regulations Regarding the Whole Course

(1) If any course has been taken in a Junior Group, it may be counted once only towards a degree and will not count also in the Senior Group.

Edmonton University Women's Club Report of the Education Committee, 1956-57:

Manitoba Department of Education Examinations are marked on a curve

June 1956 Alberta Math 30 paper was definitely inferior in difficulty and scope to all the other senior matriculation papers. Trigonometry taught in a non-examination course, Math. 31, with credit given by the individual schools.

Biology - Grade XII content good, but text is poor

Classics - Latin cut to two meagre years; Greek entirely eliminated

Modern Languages - only French and German; French in Grade 9 is oral only - no text book. Grade XII Alberta comparable to Sr. Matric. in Sask. and Atlantic provinces.

German taught in only a few schools and begins in Grade 11.

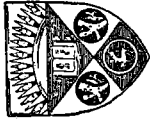
Chemistry - as good as any - comprehensive background of organic & inorganic Chemistry; Physics - high also. Only a few students enrol in science courses and only University-bound students attempt these subjects in Grade XII. But these students are retarded by a lack of Mathematical knowledge

Social Studies - compares favourably with Ontario and others.

English - not a good indication of fitness for University English.

see over

THE UNIVERSITY OF WESTERN ONTARIO
LONDON, CANADA



OFFICE OF THE REGISTRAR

U.B.C. accepts Alberta Grade XI courses as junior matriculation, except in Latin and French where Grade XII Alberta is required

(2) At least three Senior courses must be taken from Division A and three Senior courses from Division B. Two courses (one a laboratory course) must be taken from Division C. No more than two courses may be taken from Division D.

(3) No more than five courses may be taken from one Department (including Junior and Senior Group work). In English, five courses may be taken in addition to Public Speaking 29.

(4) Sometime before graduation in the General Course, there must be included in every program: Economics 20, History 20 or 36, a course (beyond the Grade XIII level) in a language other than English, a laboratory course in a natural science, Philosophy 20 or 30 (30 or 32 for Science Students), Psychology 20 (or 30 for Science Students), a Senior course in English to be selected from 32, 36, 38, 45, 49.

(5) Eight of the eleven courses of the two final years must be "senior" courses. At least six of them must be taken at this University (transfer credit from other colleges or universities cannot cancel these six).

(6) In the two final years, *an average of 60% must be obtained in the Major subject, with 60% in each of six courses* out of the eleven courses required in the Senior Group. The average in the work of the final year is also important.

II. GENERAL COURSE WITH SECRETARIAL SCIENCE OPTIONS

Second Year

The registrations in this year are limited in number. To secure admission students must present certificates of standing in Grade XIII English; one modern language (French preferred); Latin or Mathematics (two papers); and Biology or History or Music or Physics and Chemistry. Applicants with standing in five Grade XIII subjects (not papers) will be given a preference for admission. Students must clear all the courses of the second year before beginning any work of the third year.

Subjects

Business 20
English 20, 29
Health Lectures
Library Science
Physical Education

Subjects

A survey course in Science
One of: French 20, German 10 or 20,
Spanish 20
Secretarial Science 28, 29

Third Year

Economics 20
English 35
Philosophy 30 or Psychology 20

One of: French 33, German 20 or 30,
Spanish 30, 31
Secretarial Science 30, 37, 38, 39

Fourth Year

English 32 or 38 or 49
History 31
Secretarial Science 47, 48, 49

One of: French 43, German 30, or 40,
Spanish 40, 41

III. PRE-THEOLOGICAL GENERAL COURSE

Requirements for Admission: Secondary School Graduation Diploma, and Grade XIII (or equivalent) standing in English, History, and two of the following (one of which must be a language): Latin, French, Greek, German, Spanish, Music, Mathematics (any two) or Science (Botany and Zoology, or Physics and Chemistry).

This course leads to the degree of Bachelor of Arts and is the normal requirement for admission to the three-year course leading to the title of L.Th. from Huron College. If, however, a student wishes to take another course leading to a General or an honors degree, Huron College will give its consent. In such cases the students should include Greek 1, 10 and 35x in his undergraduate program.

For the substitution of two courses in place of Hebrew, the consent of the Board of Studies at Huron College is required.

Course numbers followed by "x" indicate a Theological Option approved by the University and taught by Huron College only.

PRE-THEOLOGICAL GENERAL COURSE

Second Year

Subjects

English 20, 29x
 Greek 1
 Library Science
 Physical Education

Subjects

Philosophy 20 or 30
 Psychology 20
 Geological Science 21 or Physical
 Science 21 or Biological Science 21

Third Year

Economics 20
 English 32 or 36 or 38
 Greek 10

History 30
 Philosophy 31 or 36
 Psychology 36 or 39

Fourth Year

English 44 or 45 or 49
 Greek 35x
 Hebrew 1-10

History 31 or 44
 Philosophy 42 or 47
 Psychology 48 or 49

For the Huron College B.A. General Course with Theological Options (for those students over twenty-one years of age), see the Huron College section, page —.

IV. GENERAL COURSE WITH HOME ECONOMICS OPTIONS

Requirements for Admission: Secondary School Graduation Diploma (page 107).

This four-year course leading to a Bachelor of Arts degree in Home Economics is offered jointly by University College and Ursuline College. University College students in the course will take all their classes at University College except in Home Economics; Ursuline College students will take all their science courses in University College.

After the completion of the course, students may take dietetic interne training in institutions approved by the Canadian Dietetic Association for professional standing.

Students who have obtained 60% or more in the work of the fourth year may, if they enter the High School Assistants' Course of the Ontario College of Education, elect the supplementary course offered for Intermediate Home Economics certificates.

Grade XIII standing in English, French, Latin, Mathematics will cancel English 10, French 10, Latin 10, Mathematics 11. Grade XIII Chemistry, Botany, Zoology with Second Class standing will cancel Chemistry 11N, Botany 11N and Zoology 11N, which are essential for graduation in three years.

Home Economics and Chemistry courses must be taken in the order and the year designated.

First Year*

Subjects

Botany 11N
 English 10, 29
 Chemistry 11N
 French 10 or German 10 or Spanish 1-10
 Health Lectures

Subjects

Library Science
 Math. 11 or Latin 10
 Physical Education
 Zoology 11N

Second Year

Botany 36b
 Chemistry 32a
 English 20
 French 20 or German 20 or Spanish 20

Home Economics 23x, 24x, 25x, 26x,
 Religious Knowledge 20x (for Ursu-
 line College students only)
 Zoology 24a

*In September, 1957, and perhaps before that time, students may not enrol in University College for any part of the first year which can be studied in Grade XIII classes or in one of the affiliated colleges.

Third Year

Chemistry 33
Economics 20
English 32 or 36 or 38

Home Economics 30x, 31x, 32x, 33x
Psychology 20

Fourth Year

Chemistry 46

Home Economics 40x, 41x, 42x, 45bx,
46x, 47x, 48x

V. GENERAL COURSE WITH MUSIC OPTIONS (See Pages 97-8)**VI. PREMEDICINE**

Requirements for Admission: Grade XIII standing in English and Mathematics (Algebra and Geometry), French or German or Latin, Chemistry and Physics, Botany or Zoology, preferably both. If neither Botany nor Zoology is available, Trigonometry and Statics should be taken.

This University is not merely offering a training in Medicine as a technology, nor is it requiring a full academic degree for admission to Medicine. In common with most universities it has adopted a compromise course, which insists on some cultural background.

The Faculty of Medicine believes that while the science of Medicine is built on the physical and biological sciences, the art of Medicine is dependent on the humanities and the social sciences. For this reason these courses are rightly included as stepping stones and not merely as hurdles. When a medical student realizes this fact, he will derive greater benefit in medicine and a broader outlook on life in general, which is essential if he is to be successful in the broadest sense.

First Year*Subjects*

Chemistry 20
English 20, 29
Health Lectures
Library Science
Physical Education
Physics 20
Zoology 20

Subjects

Two options from:
Botany 20
Economics 20
Geography 20
History 30
Mathematics 24
Philosophy 20
~~Sociology 20~~

Second Year

Chemistry 203M, 204M
English 33M
Mathematics 35
Physics 204M
Psychology 30
Zoology 200M

One option from (1956-57 list):
Botany 31a, 36b
Economics 20
Geography 20
History 30
Philosophy 30
Physics 251 (if Math. 24 is complete)
Sociology 28

On the completion of this program, those accepted by the Admissions Committee of the Faculty of Medicine must be prepared to register with the College of Physicians and Surgeons, and to submit a birth certificate for this purpose.

Any students who are not accepted for admission to Medicine proper may proceed, if their records are satisfactory, to one of the Honors Science courses, or to the General Course with Science options. On completion of the Honors third year or the General Course final year, they may again apply for admission to the Faculty of Medicine.

VII. ENGINEERING

Requirements for Admission: Grade XIII or equivalent standing in English, another language, Algebra, Geometry, Trigonometry and Statics, Physics and Chemistry, preferably with 66% average in Mathematics and Science.

For details of this course consult a separate pamphlet to be obtained from the Registrar's Office.

VIII. DEGREE COURSES IN NURSING

Leading to the degree of Bachelor of Science in Nursing (B. Sc. N.)

COURSE A

Requirements for Admission: Secondary School Graduation Diploma (page 107).

and Grade XIII (or equivalent) standing in English, a foreign language (French preferred), Botany, Chemistry and Zoology (with 66% in the Science examinations).

The length of this course is approximately forty-eight months. It is made up of three parts as follows:

Part A: One academic year in the Faculty of Arts and Science:

<i>Subjects</i>	<i>Subjects</i>
Botany 36b	Health Lectures
Chemistry 32a	Library Science
Sociology 28	Physical Education
English 20, 29	Psychology 20
Language of Grade XIII continued	Zoology 24

Part B: Thirty-two continuous months in a hospital School of Nursing where there shall be a course that is in all its details approved by a Committee of which the Dean of the School of Nursing is Convener.

Part C: One academic year in the Graduate Division of the School of Nursing of this University. The student may choose the Public Health Nursing or the Nursing Education option. She must inform the Dean of the School of Nursing by June 30th of the option she has chosen for her final year's work.

No conditions may be carried from Part A to Part B, or from Part B to Part C, of this course without the written permission of both the Dean of the School of Nursing and the University Registrar.

COURSE B

(For Graduate Nurses Only)

Requirements for Admission:

(1) Secondary School Graduation Diploma (page 107) and Grade XIII (or equivalent) standing in English, one language (preferably French), and any four additional papers. Equivalent standing includes first year college courses available for adult special students over twenty-one years of age.

(2) Proof of graduation from a hospital School of Nursing in which the program of education and clinical experience is approved by a committee of which the Dean of the School of Nursing is Convener.

(3) Proof of registration as a graduate nurse in good standing.

(4) The completion of one academic year in one of the specialized professional programs (Public Health Nursing or Nursing Education) in this University's School of Nursing. Applicants who hold certificates or diplomas of specialized professional study at another University are required to complete one term (or semester) of study in this University's School of Nursing in addition to the Arts and Science subjects of the degree course.

<i>Subjects</i>	<i>Subjects</i>
Chemistry 11N or Botany 11N and Zoology 11N	Options (continued)
English 20, 29	English 36, 38
Language of Grade XIII continued	Geography 20
Physical Education	History 30, 31
Three courses (or the equivalent) from:	Journalism 20, 260, 355, 460
Sociology 28, 48 (if not chosen previously)	Politics 42a
	Psychology 20, 48, 49

HONORS COURSES

The Honors Courses in Biology, Chemistry, Chemistry and Physics, Geology, Physics, including Radio Physics, lead to the degree of Bachelor of Science (B.Sc.); other Honors Courses to Bachelor of Arts (B.A.).

Biology

Requirements for Admission: Junior Group 1, page 30, with an average of at least 60% in the Science subjects, and not less than 60% in Botany 20 and 60% in Zoology 20.

This course satisfies the academic requirements for the High School Assistant's Certificate, Type A, Science, of the Department of Education of Ontario. See page 113.

Second Year

Subjects
 Botany 250
 Chemistry 200
 German 5 or Russian 1
 Mathematics 35 or 245a (the latter for those who have completed Math. 24)

Subjects
 Physics 204
 Zoology 250
 One of: Economics 20
 English 32 or 35
 Philosophy 20
 Psychology 30

Third Year

For admission to the Third Year an average of 60% in the Biology of the Second Year and an average of 60% in all other subjects is required.

Subjects
 Botany 352a
 Chemistry 303
 German 35 or Russian 10

Subjects
 Zoology 337, 350
 Three of: Botany 354, 361, Zoology 354, 360b

Fourth Year

For admission to the Fourth Year an average of 60% in the Biology of the Third Year and an average of 60% in all other subjects is required.

(a) Botany Option

Subjects
 Botany 453a, 453b or 454b, 460, 461a, 466b, 452 (optional)
 Chemistry 406

Subjects
 French 45
 German 45 or Russian 45
 Zoology 455

(b) Zoology Option

Botany 453a or 453b or 466b
 Chemistry 406
 French 45

German 45 or Russian 45
 Zoology 452, 453, 454, 455, 456, 460
 One of: Zoology 462, 470

Business Administration

Requirements for Admission: Group 2, page 31, with at least 60% in Economics and 60% in Business.

This course leads to a Bachelor of Arts degree.

Credit is given by the Institute of Chartered Accountants for work done in this course.

Second Year*Subjects*

Business 250 (Accounting)
 English 35
 Two of:
 Economics 233, 257, 300, 346
 Politics 232
 Econ. Geog. 239

Subjects

Two courses (or the equivalent) from
 English 32, 36, 38, 44, French 20, 30,
 33, 43, History 31, 35, 44, Philosophy
 30 or 32, Psychology 20, 46, 49,
 Spanish 20, 30, 31, Religious Knowl-
 edge (one course at Waterloo College)

Third Year

Admission to the Third Year (the School of Business Administration) is by permission of the Dean. 60% in Business 250 and an average of 60% in the other subjects of the Second Year are required without conditions in any subjects of the first two years, unless exceptional circumstances are given exceptional treatment by the Dean.

Business 351 (Marketing)
 Business 353 (Business Finance)
 Business 354 (Production Manage-
 ment)
 Business 357 (Control)

One course (or the equivalent) chosen
 from the Humanities and the Social
 Sciences, as approved by the Dean of
 Business Administration

Fourth Year

For admission to the Fourth Year see the requirements as listed in the School of Business Administration calendar.

Business 458 (Administrative Practices)
 Two courses (or the equivalent) from
 the Humanities and the Social
 Sciences, as approved by the Dean
 Three courses (or the equivalent) from
 Business Administration courses, as
 approved by the Dean:
 450 (Industrial Accounting)
 451a (Sales Management)
 452a (Personnel Administration)
 453a (Financial Management)
 453b (Investment Management)
 454a (Production Policy)
 454b (Factory Management)

455a (Management Statistics)
 455b (Statistical Quality Control)
 456 (Commercial Law) (either 456a
 alone or 456a and b)
 459 (Research, by permission only)
 460b (Auditing)
 461a (Retailing)
 462 (Industrial Relations)
 464b (Purchasing)
 465a (Business Conditions)
 470a (Financial Accounting)
 471b (Advertising)
 481b (Market Analysis)

Information concerning Graduate Courses in Business Administration and additional information concerning undergraduate courses will be found in the School of Business Administration Announcement. A copy may be obtained from the Registrar on request.

Business Administration and Secretarial Science

Requirements for Admission: Group 2, page 31, with at least 60% in Economics and Business.

This course, with the addition of Penmanship and Methods, satisfies the academic requirements for the High School Assistant's Certificate, Type A, in Commercial Subjects, of the Department of Education of Ontario.

Second Year*Subjects*

Business 250 (Accounting)
 Geography 39

Subjects

Economics 233, 257
 Secretarial Science 28, 29, 36

Third Year

For admission to the Third Year an average of 60% in Second Year Business and Secretarial Science is required, and an average of 60% in all other subjects.

Business 351 (Marketing) and 357
 Control)

English 35
 Secretarial Science 37, 38, 39

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Business and Secretarial Science of the Third Year, and an average of 60% in all other subjects.

<i>Subjects</i>	<i>Subjects</i>
Business 456 (Commercial Law and Documents of Commerce) and 460b (Auditing)	Economics 46 or English 32 or 44 or 49 History 30 or 31 or 44 or Philosophy 30 Secretarial Science 47

Students who do not wish to qualify for the High School Assistant's Certificate, Type A, Commercial Subjects, may substitute for Business 460b either Business 461 (Retailing) or 471 (Advertising).

Chemistry

Requirements for Admission: Group 1, page 30, with an average of at least 60% in Science and Mathematics courses and not less than 60% in Chemistry, and an average of 60% in Physics and Mathematics.

This course satisfies the academic requirements for the High School Assistant's Certificate Type A, Chemistry and Physics, of the Department of Education of Ontario, if Botany and Zoology are selected in Junior Group 1 and either Botany or Zoology in the second year. It leads to the degree of Bachelor of Science.

Second Year

<i>Subjects</i>	<i>Subjects</i>
Chemistry 200, 251, 252 German 5 or Russian 1	Physics 255 Botany 250 or Geology 251 or Zoology 250

Third Year

For admission to the Third Year an average of 60% is required in the Chemistry of the Second Year, and an average of 60% in all other subjects.

Chemistry 353, 354 German 35 or Russian 10	Physics 254 English 35 or Philosophy 32
---	--

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Chemistry of the Third Year, and an average of 60% in all other subjects.

Chemistry 452, 453, 454, 457, 458, 459 French 45	German 45 or Russian 45 Physics 456 or Chemistry 406
---	---

Chemistry and Physics

Requirements for Admission: As for Honors Chemistry.

This course satisfies the academic requirements for the High School Assistant's Certificate, Type A, Physics and Chemistry, of the Department of Education of Ontario. It leads to the degree of Bachelor of Science.

Second Year

<i>Subjects</i>	<i>Subjects</i>
Chemistry 200, 252 German 5 or Russian 1	Mathematics 254, 254 Physics 254, 255 math 245 or Physics 251

Third Year

For admission to the Third Year an average of 60% is required in the Chemistry and Physics of the Second Year, and an average of 60% in all other subjects.

Chemistry 353, 354 German 35 or Russian 10	Mathematics 354 or Physics 250 or 351 Physics 353, 366
---	---

HONORS CLASSICS

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Chemistry and Physics of the Third Year, and an average of 60% in all other subjects.

Chemistry 452	Physics 456
French 45	English 44 or Philosophy 32
German 45 or Russian 45	

Either Chemistry or the Physics Option below:

CHEMISTRY OPTION	PHYSICS OPTION
Chemistry 453, 454, 457, 458, 459	Physics 454, 455, 457, 458, 459

Classics

Requirements for Admission: Group 2, page 31, with an average of 60% in Latin 20 and 60% in Greek 20.

This course satisfies the academic requirements for the High School Assistant's Certificate, Type A, Classics, of the Department of Education of Ontario.

Second Year

<i>Subjects</i>	<i>Subjects</i>
English 32	Greek and Latin 257
French 20 or German 20 or Hebrew 20	Latin 230, 250, 251
Greek 230, 250, 251	

Third Year

For admission to the Third Year an average of 60% is required in the Greek and Latin of the Second Year, with 60% in English.

English 45	Latin 340, 350, 351, 352
Greek 340, 350, 351, 352	

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Greek and Latin of the Third Year, with 60% in English.

Greek 450, 451, 452, 453, 457	Latin 450, 451, 452, 453, 457
-------------------------------	-------------------------------

Economic and Political Science

Requirements for Admission: Junior Group 2, page 31, with at least 60% in Economics.

NOTES: (1) At least one course in Natural Science or Mathematics, and one course in History, and one in Psychology are required for an honors degree in Economic and Political Science.

(2) History 30 may not be selected if History 20 has been taken previously.

Second Year

<i>Subjects</i>	<i>Subjects</i>
Economics 233, 257	Philosophy was not chosen previously)
Politics 232	One of: Math. 20, 24, 230, a natural
English 35	science not chosen previously, another
Geography 39	option approved by the Dept. of
One of: Business 250, History 30,	Economics
Psychology 20, Philosophy 30 (if	

Third Year

For admission to the Third Year an average of 60% is required in the Economics courses of the Second Year, and an average of 60% in all other subjects.

Economics 300, 346, 355
 Sociology 328
 Three courses (or the equivalent) from:
 Economics 351a, 353, 354, Business 250 (Accounting), 351 (Marketing), 354 (Production Policy), English 44, French 30, 33, Geography 35, German 20, 30, History 30, 31, 44, 257

Options continued:
 Mathematics 20, 24, 33, 230, 350, Philosophy 31, 44, Politics 334, 342a, 342b, 351b, Psychology 20 or 46, Sociology 338, 348, Spanish 20, 30, 31, another option approved by the Dept. of Economics

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Economics courses of the Third Year and an average of 60% in all other subjects.

Economics 450, 453, 460
 Politics 334 or 452
 Two courses (or the equivalent) from:
 Geography 35, 45, Math. 455, Politics 444a, 462b, Psychology 48, 49

Options continued:
 Sociology 449, 478, Economics 455, other options approved by the Dept. of Economics

no comprehensive exam 1957
English Language and Literature

Requirements for Admission: Group 2, page 31, with 60% in English 20 and an average of 60% in the two languages taken.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, English.

Second Year

Subjects
 English 254, 270, 280
 Greek 29
 History 35

Subjects
 Two of:
 French 270, German 290, Latin 230, 250, Greek 230, 250

Third Year

For admission to the Third Year an average of 60% is required in the English of the Second Year, and an average of 60% in all other subjects.

English 356, 360, 373; and 436 or 438
 Philosophy 30 or Psychology 20 or a second Honors language
 French 380 or German 390 or Latin 340, 352 or Greek 340, 352

Fourth Year

For admission to the Fourth Year an average of 60% is required in the English of the Third Year, and an average of 60% in all other subjects.

English 441, 459, 463, 480; and 436 or 438
 French 490 or German 480 or Latin 450, 452 or Greek 452

English and French

Requirements for Admission: Group 2, page 31, with 60% in English 20 and in French 20.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, English and French.

Second Year

Subjects
 English 254, 270, 280
 French 270, 271, 290
 History 35

Subjects
 German 290 or Latin 230, 250, or *Spanish 230 or 340, 231

*Students who begin Spanish in the University will take Spanish 20 in the second year and defer Spanish 231 until the third year.

HONORS ENGLISH

Third Year

For admission to the Third Year an average of 60% is required in the English and French of the Second Year, and an average of 60% in all other subjects.

English 356, 360, 373
French 380, 381

Greek 29

Fourth Year

For admission to the Fourth Year an average of 60% is required in the English and French of the Third Year, and an average of 60% in all other courses.

English 459, 480; 436 or 438

French 450, 490, 491, 499

English and German

Requirements for Admission: Group 2, page 31, with at least 60% in English 20 and in German 20. History 20 must be chosen as an option in the Junior Group.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate Type A, English and German.

Second Year*Subjects*

English 254, 270, 280
German 290, 291
History 36

Subjects

One of: French 270, Greek 20, Latin 230,
250, Politics 32, Russian 10, Spanish
20 or 230

Third Year

For admission to the Third Year an average of 60% is required in the English and German of the Second Year and an average of 60% in all other subjects.

English 356, 360, 373
German 333, 390, 391

One of: Economics 20, French 380, Latin
340, or 350, 352; Greek 30, Philosophy
30, Russian 20, Spanish 230 or 340

Fourth Year

For admission to the Fourth Year an average of 60% in the English and German of the Third Year, and an average of 60% in all other subjects.

English 459, 480; and 436 or 438

German 420, 480, 481

English and Latin

Requirements for Admission: Junior Group 2, page 31, with 60% in English 20 and 60% in Latin 20.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, English and Latin.

Second Year*Subjects*

English 254, 270, 280
Greek 29
History 257

Subjects

Latin 230, 250, 251
French 270 or Greek 20 or Greek 230
and 250 or German 20 or 290

Third Year

For admission to the Third Year an average of 60% is required in the English and Latin of the Second Year, and an average of 60% in all other courses.

English 356, 360, 373
History 35

Latin 340, 350, 351, 352

*Students who begin Spanish in the University will take Spanish 20 in the second year and will defer Spanish 231 until the third year.

Fourth Year

For admission to the Fourth Year an average of 60% is required in the English and Latin of the Third Year, and 60% in History.

English 459, 480; and 436 or 438 Latin 450, 451, 452, 453, 457

English and Philosophy

Requirements for Admission: Junior Group 2 (including History), page 31, with 60% in English 20 and 60% in French 20 or German 20 or Latin 20.

Course B is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, English. For this certificate, French is the language preferred by the Department of Education.

COURSE A

Second Year

Subjects

English 254, 280
Philosophy 230, 231

Subjects

Two courses of options approved by the Heads of the two major Departments

Third Year

For admission to the Third Year an average of 60% is required in the English and Philosophy of the Second Year, and an average of 60% in all other subjects.

English 270, 356
Philosophy 336, 347

Two courses of options, to be selected as in the Second Year

Fourth Year

For admission to the Fourth Year an average of 60% is required in the English and Philosophy of the Third Year, and an average of 60% in all other subjects.

English 360, 459, 480

Philosophy 457, 448, and one of:
443, 456, 462, 466

English and Philosophy

COURSE B (Language Option)

Second Year

Subjects

English 254, 270, 280
Philosophy 230, 231

Subjects

*French 270, 271 or German 290, 291
or Latin 230, 251

Third Year

For admission to the Third Year an average of 60% is required in the English and Philosophy of the Second Year, and an average of 60% in all other courses.

English 356, 360, 373
French 380 or German 390 or Latin
340, 250

Philosophy 347, 335

Fourth Year

For admission to the Fourth Year an average of 60% is required in the English and Philosophy of the Third Year, and an average of 60% in all other subjects.

English 459, 480; and 436 or 438 Philosophy 336, 457, 448

*French is the language preferred by the Department of Education of Ontario for Type A, English, High School Assistant's Certificate.

French and German

(See Modern Languages and Literatures)

French and Latin

Requirements for Admission: Group 2, page 31, with at least 60% in French 20 and 60% in Latin 20.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, French and Latin. In this course three years, or the equivalent, of Greek or German must be taken.

Second Year*Subjects*

English 35
French 270, 271, 290

Subjects

German 20 or Greek 20
Latin 230, 250, 251, 257

Third Year

For admission to the Third Year an average of 60% is required in the French and Latin of the Second Year, and an average of 60% in all other subjects.

French 380, 381
German 30 or Greek 30
Greek 29

History 30 (or 36, if History 20 has been chosen in the Junior Group)
Latin 340, 350, 351, 352

Fourth Year

For admission to the Fourth Year an average of 60% is required in the French and Latin of the Third Year, and an average of 60% in all other subjects.

French 450, 490, 491, 499

Latin 450, 451, 452, 453

French and Spanish

(See Modern Languages and Literatures)

Geography

Requirements for Admission: Junior Group 1 (page 30) or Junior Group 2 (page 31) with an average of at least 60% in the subjects taken.

This course is accepted by the Department of Education of Ontario as academic qualification for the High School Assistant's Certificate, Type A, Geography, providing the options marked by an asterisk are selected. It leads to a Bachelor of Arts degree.

Second Year*Subjects*

Geography **20, 239
Mathematics 35
One course (or the equivalent) from:
Botany 33a, Economics 257, History *20 (if not chosen previously) or *36, Mathematics 24, Zoology 43, Sociology 28
Division A or Division B (A follows Junior Group 1, B follows Junior Group 2)

Subjects

Division A subjects:
Economics 20
German 5 or Russian 1 or Spanish 1-10
Psychology 30
Division B subjects:
Botany 20
Geology 20
Philosophy 30 or one additional year's work in a modern foreign language

NOTE: Students who intend to continue into graduate studies are advised to begin work in a second foreign language in the third year, if they have not done so earlier. Consult the Department of Geography for advice on this subject.

**Anyone who has taken Geography 20 in Junior Group 2 will repeat it with additional assignments for Honors standing or will take instead one course of options from those listed.

Third Year

For admission to the Third Year an average of 60% is required in the Geography of the Second Year (20 and 239), and an average of 60% in all other subjects.

Subjects

English 35
Geography 330, 335
Geology 256
History 31
Mathematics 29
Politics 232

Subjects

One course (or the equivalent) from:
Economics 354
German 35 or Russian 10
*History 36
Philosophy 30 (if not chosen previously)
Politics 342
Sociology 348
Second year options not already chosen

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Geography of the Third Year (330 and 335), and an average of 60% in all other subjects.

Economics 351a
French 45 or German 45 or Russian 45 or Spanish 45
Geography 440, 444, 445 (any two)
Geology 367
History 44
One course (or the equivalent) from:
Economics 300
English 38 or 49

Options continued:

Geology 263
Philosophy 47
Politics 462b
Psychology 36 or 49
Zoology 453
Second or Third Year options not already chosen

NOTE: Students in Fourth Year Honors Geography shall attend all graduate seminars in Geography (501 and 511) without credit.

(For the Geophysics Major of the Honors Physics and Mathematics Course, see page 53.)

Geology

Requirements for Admission: Junior Group 1, page 30, with an average of 60% in the Science subjects and not less than 60% in Geology 20.

This course leads to a Bachelor of Science degree.

Consult the department head regarding options in the various years.

Near the beginning of the first term, the department will conduct a field trip of one week's duration, in which all Third and Fourth Year students are required to participate. The cost of each trip will not exceed fifty dollars.

Second Year

Subjects

Chemistry 200
Geology 251, 252, 256, 263
German 5

Subjects

Physics 204
One of: Botany 20, Mathematics 254,
Zoology 250

Third Year

For admission to the Third Year an average of 60% is required in the Geology of the Second Year, and an average of 60% in all other subjects.

Business 20 or Economics 20 or

Philosophy 30

Geography 30

Geology 351, 354, 360, 365, 367 367

German 35

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Geology of the Third Year, and an average of 60% in all other subjects.

French 45

Geology 452, 454, 455, 458, 460

One Geology and one other course from:

Geology 463, 465, Philosophy 31, Politics 32, Psychology 30

History

Requirements for Admission: Junior Group 2, page 31, with 60% in History and an average of 60% in English, one other language, and either Economics or a second language.

This course will be accepted by the Department of Education of Ontario as the academic qualification for the High School Assistant's Certificate, Type A, History, if the options marked by an asterisk are taken.

Second Year

Subjects

Business 20 or Philosophy 30
Economics 20* (or English 35 if Economics 20 has been chosen previously)

Subjects

History 236, 257
Two of: French 30, German 30, Greek 30, Latin 30, Spanish 20 or 30, Geography 20*

Third Year

For admission to the Third Year an average of 60% is required in the History of the Second Year, and an average of 60% in all other subjects.

Geography 239
Geography 335* or Psychology 20
History 35, 331, 333a, 354b, 356a

Economics 233* or English 280, 254, or
Literature courses in two foreign languages, to be arranged

Fourth Year

For admission to the Fourth Year an average of 60% is required in the History of the Third Year, and an average of 60% in all other subjects.

Economics 450a
History 444, 452, 453, 456
Politics 232, 452a

Geography 445*, or Economics 450b and
Politics 452b, or Economics 346 or 453, or English 32 or 38 or 45 or 49, or Literature courses in two other languages to be arranged

Journalism

Requirements for Admission: The completion of Junior Group 2 with Journalism 20 (60%), Economics 20 and Philosophy 20 as options; English 20 with 60% is also required for Sequence B.

- Notes:** (1) Students must follow either Sequence A or Sequence B consistently.
(2) Transfer students from other colleges or courses must include Journalism 20 in the second year of the Honors course if it has not been taken previously; 60% is required in it.

Second Year

Subjects

Journalism 250, 260, 270
Politics 32
Psychology 20
Sequence A or Sequence B:

Sequence B:

Two courses in Honors English and/or French (to be selected in consultation with the Journalism and the other Departments concerned)

Sequence A:

English 35
Business 20

Third Year

For admission to the Third Year, an average of 60% is required in the Honors subjects, and an average of 60% in all other subjects.

Subjects

History 31 or 331
 Journalism 351, 335, 365, 375
 Politics 42

Sequence A:

Geography 239
 An optional course (to be selected in consultation with the Department of Journalism)

Subjects

Sequence B:

Two courses in Honors English and/or French (to be selected in consultation with the Journalism and the other Departments concerned)

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Journalism subjects of the Third Year, and an average of 60% in all other subjects.

Politics 351b
 History 44 or 444
 Journalism 451, 455, 460
 Sequence A or Sequence B:

Sequence A

History 36
 Two courses of options (to be selected in consultation with the Department of Journalism)

Sequence B

One optional course (to be selected in consultation with the Dept. of Journalism)
 Two courses in English and/or French (to be selected in consultation with the Journalism and the other Departments concerned)

See also the Diploma Course in Journalism for graduates of other courses, page 55.

Mathematics

Requirements for Admission: Junior Group 1, page 30, with an average of 60% in the Science and Mathematics subjects, and at least 60% in Mathematics;

OR

Junior Group 2, page 31, with at least 60% in Mathematics 20.

This course leads to the Bachelor of Arts degree, and to Type A, High School Assistant's qualification if Algebra, Geometry, Trigonometry and Statics have been completed in Grade XIII and if Mathematics 353 is selected.

Second Year

Subjects

Mathematics 230, 234, 242, 245
 German 5
 Three options (not previously selected) from:
 Economics 20, 233, English 35, History 36, Philosophy 230, 231

Subjects

Options (continued)
 Politics 32, Psychology 30, a laboratory course in Natural Science at the 20-29 level

Third and Fourth Years

Identical with the Honors Mathematics Major, or with the Actuarial Science Major, of the Honors Mathematics and Physics Course which follows.

Mathematics and Physics

Requirements for Admission: Junior Group 1, page 30, with an average of 60% in the Science and Mathematics subjects, and at least 60% in Mathematics and 60% in Physics.

Second Year

Subjects

German 5
 Mathematics 230, 242, 254

Subjects

Physics 250, 254, 255
 Either Math. 245 or Physics 251

HONORS MATHEMATICS

Note

In the two final years of this course, a student may select one of four Major studies:

The Honors Mathematics Major, leading to the B.A. degree.

The Honors Actuarial Science Major, leading to the B.A. degree.

The Honors General Physics Major, leading to the B.Sc. degree (see page 53).

The Honors Radio Physics Major, leading to the B.Sc. degree (see page 54).

All four Major studies are accepted by the Department of Education as academic qualification for the High School Assistant's Certificate, Type A, in Mathematics (from the B.A. courses) or in Mathematics and Physics (from the B.Sc. courses).

For admission to the two final years of each Major plan, an average of 60% is required in the Honors Courses of the previous year, and an average of 60% in all other subjects.

**Honors Mathematics Major
and
Honors Actuarial Science Major**

(1) In the Third and Fourth Years of each of these Major studies there is a principal sequence of three required Mathematics courses, augmented by five other courses for a minimum requirement of eight courses a year. An average of 60% in the Honors Mathematics of the Second and Third Years is required for admission to the Third and Fourth Years, respectively.

(2) Courses marked with asterisks are compulsory for Actuarial Science students, who are prepared to write three preliminary examinations sponsored by the Society of Actuaries. The first two examinations may be written at the end of the Second Year, and the third at the end of the Fourth Year. Examinations of the Society of Actuaries are held about May 15th and may be written in London. Applications to write the preliminary examinations must be received by March 15th.

Third Year

Subjects

Business 250* or English 44
German 35
Mathematics 350, 351, 356
Two of:
Mathematics 345, 353* (required
for the Type A Certificate),
354, 358, 359, 363*, Physics 350,
351, 353

Subjects

One course (not previously selected)
from:
Economics 20, 233, English 35, History
36, Philosophy 230, 231, Politics 32,
Psychology 30, a laboratory course
in Natural Science at the 20-29 level

Fourth Year

Subjects

Mathematics 450, 456, 470
Three of:
Mathematics 452, 454, 455, 458,
459, 460, 463*, Physics 456, 457
Either English 44, or French 45 and
German 45 combined

Subjects

One of:
Business 353*, Economics 300, History
30 (if neither 20 nor 36 has been
selected previously), Politics 34

For the Honors Geophysics Major (leading to the B.Sc. degree) see page 53.

For the Honors Physics Major (leading to the B.Sc. degree) see page 53.

For the Honors Radio Physics Major, (leading to the B.Sc. degree) see page 54.

Modern Languages and Literatures

Requirements for Admission: Group 2, page 31, with at least 60% in French 20 and in German or Spanish.

This course is accepted by the Department of Education of Ontario as the academic qualification for the High School Assistant's Certificate, Type A, French and German, or French and Spanish.

Second Year

Subjects

English 35
French 270, 271, 290
German 290, 291 or *Spanish 230 or
340, 231, 250 or 360

Subjects

Greek *29
At least one course in a foreign
language not chosen as a major.

Third Year

For admission to the Third Year an average of 60% is required in the French and in the German or Spanish of the Second Year, and an average of 60% in all other subjects.

French 380, 381
German 333, 390, 391 or Spanish 340
or 230, 341, 360 or 250

History 30
At least one course in the minor
foreign language of the Second Year

Fourth Year

For admission to the Fourth Year an average of 60% is required in the French and in the German or Spanish of the Third Year, and an average of 60% in all other subjects.

Subjects

French 450, 490, 491, 499
German 420, 480, 481 or Spanish 450,
451, 460

Subjects

One course in the minor foreign
language continued from the Third
Year

Philosophy

(This course is offered in University College only)

Requirements for Admission: The completion of any Junior Group or of the second year of any of the pre-Theological General Courses (pp. 35, 95, 105) with at least 60% in English and 60% in each of five other subjects.

Second Year

Subjects

English 32 or 38 or History 257
A Natural Science 21 not chosen
previously

Subjects

Philosophy 230, 231
At least two courses from options ap-
proved by the Department of
Philosophy

Third Year

For admission to the Third Year an average of 60% is required in the Philosophy of the Second Year, and an average of 60% in all other subjects.

Philosophy 336, 347
Philosophy 335, or 350
A course in Psychology

Two courses from options approved by
the Department of Philosophy

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Philosophy of the Third Year, and an average of 60% in all other subjects.

Philosophy 443, 448, 456, 457, 462,
466

One course from options approved by
the Department of Philosophy

*Students who begin Spanish in the University and who wish to major in Spanish will take Spanish 20 in the Second Year and will defer Spanish 231 and Greek 29 until the Third Year.

Physical, Health, and Recreation Education

Requirements for Admission: Group 2, page 31, with an average of at least 60% in the subjects taken in the University.

(1) The Physical and Health Education Option is accepted by the Department of Education of Ontario as the academic qualification for the High School Assistant's Certificate Type A, Physical Education, if History, two Mathematics (from Algebra, Geometry, Trigonometry), Economics, Psychology, Biology and Physical Science have been selected as Grade XIII or Junior Group 2 options. Music is advised as a Grade XII option, but it is not essential.

(2) The Recreation Education Option is accepted by the Department of Education of Ontario as the academic requirement for the High School Assistant's Certificate, Type B.

(3) Both Options lead to the Honors B.A. degree.

(4) The following information should be submitted, before the end of the first year, along with the application for admission to the Honors Course:

Personal health certificate, from the applicant's family physician, including information regarding his medical fitness for either of the Honors options.

Reports on his sports achievement and leadership ability, from his secondary school Principal and physical education director.

It is advisable but not essential to possess Life Saving and First Aid Certificates.

Second Year

<p><i>Subjects</i> English 35 Physical, Health, and Recreation Ed. 251, 258, 266 First Aid (if not taken previously)</p>	<p><i>Subjects</i> English 39 Psychology 36 Zoology 24</p>
--	---

Note: Consult the Head of the Department before selecting either the Physical and Health Education Option or the Recreation Education Option.

(a) Physical and Health Education Option

Third Year

For admission to the Third Year an average of 60% is required in the Honors subjects of the Second Year, and an average of 60% in all other subjects.

<p>Sociology 28 Geography 20 Home Economics 31 (lectures only) Mathematics 35 ✓</p>	<p>Philosophy 30 Physical, Health, and Recreation Ed. 351, 352, 353, 354, 356</p>
--	---

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Honors subjects of the Third Year, and an average of 60% in all other subjects.

<p><i>Subjects</i> Politics 32a (or b) and 42a Psychology 49 One course in History or Geography (to be selected in consultation with the Head of the Department, in accor-</p>	<p>dance with the aim of a connected course in Social Studies) Physical, Health, and Recreation Ed. 382, 450, 451, 453, 454, 457</p>
---	--

(b) Recreation Education Option

(Not offered in 1956-57)

Third Year

For admission to the Third Year an average of 60% is required in the Honors subject of the Second Year, and an average of 60% in all other subjects.

Subjects

Sociology 28
 English 36
 One course of options to be approved
 by the Head of the Department

Subjects

Philosophy 32
 Physical, Health, and Recreation Ed. 353,
 371, 372, 375, 376, 382

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Honors subjects of the Third Year, and an average of 60% in all other subjects.

Politics 32a (or b) and 42a
 Psychology 49

Physical, Health, and Recreation Ed. 450,
 473, 476, 479, 483

One course of options to be approved
 by the Head of the Department

Physics and Mathematics**(Honors General Physics Major)**

Requirements for Admission: Junior Group 1, page 30, with an average of 60% in the Science and Mathematics subjects, and at least 60% in Mathematics and 60% in Physics.

This course is accepted by the Department of Education of Ontario as the academic qualification for the High School Assistant's Certificate, Type A, Mathematics and Physics. It leads to the Degree of B.Sc.

Second Year*Subjects*

German 5
 Mathematics 230, 242, 254

Subjects

Physics 250, 251, 254, 255

Third Year

For admission to the Third Year an average of 60% is required in the Honors Courses of the Second Year, and an average of 60% in all other subjects.

German 35
 Mathematics 356

Physics 350, 351, 353, 356, 359

Fourth Year

For admission to the Fourth Year, an average of 60% is required in the Mathematics and Physics of the Third Year, and an average of 60% in all other subjects.

French 45
 German 45
 Physics 454, 455, 456, 457, 458, 459

One of: Economics 20, English 32 or 35,
 Psychology 30, Philosophy 32

Physics and Mathematics**(Honors Geophysics Major)**

Requirements for Admission: Junior Group 1, page 30, including Geology 20 and Mathematics 24, with 60% in Mathematics, 60% in Physics, and an average of 60% in all the Mathematics and Science subjects.

This option leads to the degree of B.Sc.

Second Year*Subjects*

Geology 252, 253
 German 5

Subjects

Mathematics 230, 254
 Physics 250, 251, 254, 255

Third Year

For admission to the Third Year an average of 60% is required in the Honors Courses of the Second Year, and an average of 60% in all other subjects.

Chemistry 200
 Economics 20
 Geology 351

German 35
 Physics 350, 353, 356, 359

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Honors Courses of the Third Year and an average of 60% in all other subjects.

French 45

Geology 452, 455, 465

German 45

Philosophy 30

Physics 351, 455, 456, 458

Physics

(See Chemistry and Physics, Geophysics, Physics and Mathematics, Radio Physics)

Psychology

(This course is offered in University College only)

Requirements for Admission: Group 1 or 2, page 30 or 31, with an average of at least 60%. Zoology should be selected as an option in the Junior Group.

Second Year*Subjects*

English 35 or 44

Philosophy 30

Psychology 234, 235, 236

One other course approved by the
Dept. of Psychology

Subjects

Zoology 24 (21 must be taken instead,
if Zoology has not been completed in
the Junior Group, or in Grade XIII
with 66%)

Third Year

For admission to the Third Year an average of 60% is required in the Psychology of the Second Year, and an average of 60% in all other subjects.

Psychology 337, 338, 339, 349,
355

Two optional courses approved by
the Dept. of Psychology

Fourth Year

For admission to the Fourth Year an average of 60% is required in the Psychology of the Third Year, and an average of 60% in all other subjects.

Psychology 444, 446, 448, 459

Three optional courses approved by
the Dept. of Psychology

Radio Physics

(The Radio Physics Major of the Honors Physics and Mathematics Course)

Requirements for Admission: Junior Group 1, page 30, with an average of 60% in the Science and Mathematics subjects, and at least 60% in Mathematics and 60% in Physics.

(1) This course is accepted by the Department of Education of Ontario as the academic qualification for the High School Assistant's Certificate, Type A, Mathematics and Physics. It leads to the degree of B.Sc.

(2) The purpose of this course is to provide students with sufficient theoretical and practical background to enable them, as graduates, to occupy responsible technical positions in the various branches of the radio industry, including frequency modulation, television and radar; in communications generally; in the field of industrial electronics; and in development and research laboratories.

Second Year*Subjects*

German 5

Mathematics 230, 242, 254

Subjects

Physics 250, 251, 254, 255

Third Year

For admission to the Third Year an average of 60% is required in the Honors Courses of the Second Year, and an average of 60% in all other subjects.

Economics 20 or Philosophy 32	Mathematics 356
German 35	Physics 351, 370, 376, 377, 379

Fourth Year

For admission to the Fourth Year, an average of 60% is required in the Honors Courses of the Third Year, and an average of 60% in all other subjects.

French 45	Physics 455, 456, 457, 458, 476, 477, 479
German 45	

DIPLOMA COURSES**(i) Business Administration**

Requirements for Admission: Graduation in some field other than Business Administration from a recognized college or engineering school, including The Royal Military College. Successful business experience, in lieu of academic training, may be considered.

An average of 66% in this one-year course is required for the diploma in Business Administration. Those who obtain 66% may proceed to an M.B.A. degree in one additional year's work.

<i>Subjects</i>	<i>Subjects</i>
Business:	557 (Control)
551 (Marketing)	558 (Administrative Practices)
553 (Finance)	A staff-supervised field-trip to industrial plants
554 (Production)	

For detailed information about Graduate Courses in the School of Business Administration, consult the Announcement published by that school.

(ii) Journalism

Requirements for Admission: Graduation from a recognized college, with a degree in some field other than Journalism.

Candidates for the Diploma in Journalism will take the prescribed courses and do special assignments in reporting, writing and editing.

An average of 60% in this one-year course is required for the Diploma.

Subjects
Journalism 260, 351, 355, 365, 375, 400, 455, 460