CALENDAR

of

SAINT MARY'S UNIVERSITY

HALIFAX, NOVA SCOTIA

Under the direction of the Jesuit Fathers

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1952 - 1953

A. M. D. G. HALIFAX, N. S., CANADA 1952



INDEX

alademic Calendar	5
addemic Regulations	16
sunting	32
mission Requirements	18
liting	33
Binlogy I	33
Busar's Regulations	22
Bemistry	34
Commercial Law	37
Cinvocation Program	66
(1951-52)	
Courses of Instruction	32
Courses of Study	30
Descriptive Geometry	37
Draughting	37
Beonomics	38
Engineering Problems	39
English	40
Examinations	17
1.	
Pees	21
French	43
Faculties	24
Arts	24
Science	25
Commerce	27
Engineering	28
Journalism	29

Geology	46
Graphical Statics	46
History of Saint Mary's	
University	7
History	47
History of Science	48
Journalism	49
Latin	50
Materials for Engineering	51
Mathematics	51
Mechanics	55
Philosophy	56
Physics	59
Plan of Studies	15
Political Science	61
Registration	16
Religion	61
Senate	6
Sociology	62
Strength of Materials	63
Student Organizations	11
Students Registered	
(1951-52) Session)	68
Surveying	63
Taxation	64
Thermodynamics	64

		J	UL	Y					AL	GU	ST				S	EPT	EM	BE	R	
S	M	Т	W	Т	F	S	S	M	Т	W	Т	F	S	S	M	Т	W	Т	F	8
		1	2	3	4	5						1	2		1	2	3	4	5	-
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	28
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	25
27	28	29	30	31			24	25	26	27	28	29	30	28	29	30				
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ACADEMIC CALENDAR YEAR

Sect	3	Survey Camp.
21	4	Last day for receiving applications for Supple- mental Examinations.
Sect	16-19	Supplemental Examinations.
Set	18-19	Registration of day students.
Set.	22	Registration of resident students.
Sept.	23	CLASSES BEGIN.
Sept.	26	Feast of Canadian Martyrs. Secondary Patrons of Canada.
Oct	5	Day of Recollection.
Sev.	1	Feast of All Saints.
Nov.	11	Remembrance Day. Requiem Mass for deceased Alumni.
Dec.	8	Feast of Immaculate Conception. Patronal Feast of the University.
Dec.	10	Term examinations in subjects of two semesters.
Dec.	17	Christmas vacation begins.
1953		
Jan.	7	CLASSES RESUME
Jan.	26	Final Examinations in subjects of One Semester.
Feb.	2	Candlemas Day.
Mar.	7	Feast of St. Thomas Aquinas. Patron of Philoso- phers. Rector's Holiday.
Mar.	17	St. Patrick's Day.
Mar.	19	Feast of St. Joseph. Primary Patron of Canada. Public Speaking Contest.
Apr.	1	Easter Vacation begins after morning lectures.
Apr.	7	CLASSES RESUME
May	5	Final Examinations.
May	15	Senate Meeting.
May	18	High Mass, Baccalaureate Sermon.
Max	10	Convocation

SENATE OF SAINT MARY'S UNIVERSITY

As Constituted in Accordance with the Act of 1918.

CHANCELLOR

HIS GRACE, MOST REVEREND JOHN T. McNALLY, D.D. The Archbishop of Halifax.

VICE-CHANCELLOR

RIGHT REVEREND WILLIAM J. BURNS, D.P., V.G.

MEMBERS

MOST REVEREND ALFRED LEVERMAN, D.D., Auxiliary Bishop of Halifax.

VERY REVEREND FREDERICK J. LYNCH. S.J. President. GEORGE H. MURPHY, M.D., C.M., F.A.C.S., LL.D. WILLIAM F. CARROLL, B.A., LL.B., LL.D. ERNEST I. GLENISTER, B.A., M.D., C.M. GERALD P. FLAVIN, LL.B., Q.C. JOHN A. WALKER, M.A., LL.B., Q.C. REVEREND J. L. QUINAN, S.T.B., J.C.B., P.P. **REVEREND EDWARD M. BROWN, S.J., Sec. of Senate** RIGHT REVEREND CYRIL J. MARTIN, D.P., P.P. WILFRED J. DYER, B.Sc., M.D. ARTHUR J. HALIBURTON LIEUT-COL. SIDNEY C. OLAND, V.D., A.D.C., LL.D. BERNARD A. O'LEARY, B.Sc., C.E., M.E.I.C. RIGHT REVEREND CHARLES F. CURRAN, D.D., D.P., V.F. NORMAN STANBURY THOMAS J. HANRAHAN HON. HAROLD CONNOLLY, LL.D. ALBAN MURPHY

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SAINT MARY'S UNIVERSITY

HISTORY

A S we learn from the records of the time, the early years of the 19th century were characterized by a great and practical interest on the part of the Clergy and Catholic reople of Halifax in the all-important matter of education. This interest found tangible expression in the foundation, inder the inspiration of Right Reverend Bishop Fraser, of a allege for Catholic students which was carried on for some rears without any financial assistance from or official recogition on the part of the Provincial Government of the day. This college was situated on the site now occupied by Saint Mary's Girls' School on Grafton Street. Its first Principal was he Reverend Father R. B. O'Brien, D.D., and among other rofessors, the staff included Reverend Father Michael Hannan, fterwards Archbishop of Halifax.

In the year 1841 it was determined to make application to the Legislature for recognition and financial assistance and accordingly a measure was introduced carrying the title: "An Act for Incorporating the Trustees of Saint Mary's College at Halifax."

This Bill was entered in the House of Assembly on March 17th, 1841 and passed on the 29th day of March of the same, rear, Mr. Joseph Howe being the Speaker of the House. Thus was the young college launched on its career as an institution of higher learning and although it had been in existence for some years previous, this date is generally accepted as that of the foundation of Saint Mary's College.

The power conferred by the Act of 1841 was granted for a period of eleven years but on the 8th day of April, 1852, a new Act was passed making the privileges of Saint Mary's perpetual.

For some years after this, the President of the College was the Reverend Father Michael Hannan who in 1861 was succeeded by the Reverend Father Patrick Power. Prominent among the students of those days were the late Archbishop McCarthy, the late Sir Malachi Bowes Daly, Lieutenant Governor of Nova Scotia, who was a Bachelor of Arts of Saint Mary's College, the late Peter O'Hearn, Principal for many years of Saint Patrick's High School and the late Martin Griffin, Parliamentary Librarian for Canada.

It must be remembered that, in those days, educational institutions had, for the most part, an arduous struggle for existence and temporary suspension of activities for some years at a time was not unheard of. Saint Mary's had its own share of such vicissitudes.

In 1873 the Act of 1841 was reaffirmed "in the same manner and to the same extent." It would seem that this reaffirming in 1873 was deemed necessary because the rights of the Act of 1841 "had been allowed to expire through inadvertence."

In the meantime, the site of the College had been transferred to Belle Aire Terrace and placed under the management of the Christian Brothers of the Congregation of Saint John Baptist de la Salle. Subsequently the College was transferred to a building on Barrington Street where we now find Saint Theresa's Home.

On February 23rd 1881 Mr. Patrick Power, one of the best-known and most influential business men in Halifax, died. It is not too much to say that, were it not for the generous bequest made by Mr. Power in favour of Saint Mary's College the institution would be unable to carry on, and if the College is found to be of service in the cause of Catholic Education, the name of Patrick Power must be held in grateful memory.

In 1903 the College was reorganized by His Excellence Archbishop O'Brien and a valuable new property secured at the intersection of Quinpool Road and Windsor Street. The Right Reverend Monsignor Kennedy was appointed President being succeeded after an interval of about two years by the Right Reverend Monsignor McManus, under whose able and energetic direction the College remained until 1913. In that year, on the invitation of His Excellency Most Reverend E. J. McCarthy, the Christian Brothers of Ireland undertook the direction of the College. On this occasion a considerable addition was made to the building erected by Archbishop O'Brien in 1903. The funds for this addition were raised by popular subscription. Reverend Brother P. J. Culhane was the first President under the new administration and the College ower much to his ability, prudence and energy.

An important event in the life of the College was the affiliation with the Nova Scotia Technical College which took

the in 1916. Under this arrangement, duly matriculated ments follow an Engineering Course of Three Years at Saint my's, the scope and extent of which is uniform with that lowed by the different Colleges affiliated with the Nova tia Technical College. On the satisfactory completion of s course, the student may proceed to the Nova Scotia echnical College to take a further course of two years. At e end of this period he is eligible for admission to the degree B.E. in Civil, Mechanical, Electrical or Mining Engineering.

On December 6th, 1917 occurred the disastrous Halifax plosion. Happily, none of the students in attendance at the me received any serious permanent injury, but the building the all others in the vicinity suffered severely. Classes were pended for the time being and the College was placed at the posal of a United States Army Medical Corps which had me from Boston to minister to the victims of the dreadful tastrophe. When the immediate emergency had passed and the regular civil and military hospitals found themselves in a pisition to absorb the remaining patients at Saint Mary's, the college reverted once more to its original purposes.

Since the passing of this Act the College has availed itself of the privileges conferred upon it by the Legislature, degrees have been conferred in Arts, Science and Commerce. Year by year, the existence of the College is seen to be more and more justified in the number of young men who enter the Priesthood or the Religious State and in the much increased Catholic representation in Medical, Legal and Engineering Professions.

The steady growth of the College is a source of encouragement and gives reason to believe that Saint Mary's will long continue to play an important part in the educational life of the Province, realizing the dream—or, shall we say, the vision —of the men who in the now distant days of 1841 "by great exertions and very large pecuniary contributions" made possible its foundation.

On the gracious invitation of His Grace, Most Reverend John T. McNally, D.D., Archbishop of Halifax, and with the consent of the Very Reverend Father General of the Society of Jesus, the Jesuit Fathers of Upper Canada assumed the direction of the College in June, 1940.

On June 24th, 1943, the Archbishop of Halifax, Most Reverend John T. McNally, celebrated his seventy-second birthday by making an important announcement. The Gorse brook Golf Club, which was the old and storied Collins' estate had been purchased by the Archdiocese as the site of a new Saint Mary's University.

This was good news for Halifax. The Catholics of the city had long realized the need for a larger and more representative Catholic University. Saint Mary's was part of the city and had grown up with it and produced a long line of eminenmen. Five times already it had changed its site to accommodate the growing numbers. Now it was to make one find move to the Gorsebrook Golf Club where thirty acres had been purchased for a new, modern, greatly enlarged building.

On these thirty acres today the new Saint Mary's is nearing completion: a central building for administration and classes, a north wing for 230 resident students, a south wing for its Jesuit Faculty. There is accommodation for at lear 800 students and provisions for the basic university course and a private High School. The chapel is designed to see 1,200 and will serve as a parish church for the south enof the city. Beneath it will be a galleried gymnasium and auditorium and beyond this to the south a 91/4 acre playing field that the experts say will be the best in Canada.

His Grace, the Archbishop, who is also Chancellor of the University, plans to have Saint Mary's take its lawful plan among the several Universities of the Maritimes. For the purpose he is erecting what promises to be one of the fine buildings in Eastern Canada — to maintain the traditions of the past and provide for the increasing needs of the future With its own University charter and the enthusiastic support of the Archdiocese of Halifax, Saint Mary's feels justified looking ahead to an increasingly influential future in Cathol education.

On March 31st, 1952, the Honourable A. L. Macdonal Premier of the Province of Nova Scotia, proposed an amenment to the Act of 1918. The purpose of this amendme was to change the name of Saint Mary's College to "Sai Mary's University". This Act was duly passed and receive the assent of the Governor on April 10th, 1952.

Student Organizations

The extra-curricular organizations listed below are officially bognized by the University. The activities of these societies, the aim at developing Christian leadership, are directed by beir respective officers with the co-operation and guidance of member of the faculty.

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Eligibility

Students who represent the University in any public wity, dramatics, debating, oratorical contests or athletic petition, or hold office in any student organization, must in good standing at the time of their election or pointment.

RELIGIOUS

- The Apostleship of Prayer and League of the Sacred Heart. The object of the Apostleship is two-fold; to instil into the students that apostolic spirit which, as public men, it is hoped they will later on exercise in the world; and secondly, to join in the great work of reparation for the outrages daily offered to Our Lord.
- Sodality of the Blessed Virgin Mary. The purpose of the Sodality is to develop Christian character under the protection of the Mother of God and to cultivate the lay apostolate. This two-fold purpose is achieved by conducting weekly meetings at which the Office of the Blessed Virgin is recited and instructions given, and by organizing sections for the promotion of special activities.
- **Baint John Berchman's Society.** Its purpose is to train students for all ecclesiastical functions in the Sanctuary and to develop in them a greater appreciation of the Liturgical life of the Church.
- Canadian Student Mission Crusade, Saint Mary's University Unit. This organization aims at the creation of an active and effective interest in Catholic Foreign Missions. Through its activities assistance is given to the many Foreign Mission Centres.

GENERAL

- Students' Council. It aims at promoting the best interest of the students by sharing with the Faculty the responsbilities of University government in all non-academic matters and in accordance with the powers conferred by the President.
- Tau-Gamma-Sigma Society is restricted to students in the Faculty of Arts. Its activities are chiefly social and recreational.
- The Engineering Society is open to all students in the Engineering Department. Its functions correspond, in general, to those of the Tau-Gamma-Sigma Society.
- Delta-Lambda-Kappa Society. Students in the Department of Commerce are eligible for membership. The extra-curcula activities of the Commerce students are controlled by the executive of this society.
- Debating Society. The membership of this Society is made of students of Sophomore, Junior and Senior year in a faculties who are taking English. Meetings are he weekly at which Parliamentary Debates, Open Forum Mock Trials or other forms of public speaking offer the members ample opportunities to train themselves und direction. The activities of the society include Intercolegiate Debates, Radio Debates and Forums, etc.
- The Philosophers' Academy has for its purpose the promot of philosophical study and of the investigation of philosophical problems. This purpose is accomplished by mutencouragement and stimulation and by the presentation and discussion of philosophic topics at the regular meaings. The membership of this academy is limited to students in the second, third and fourth years of University course.
- Saint Mary's Boat Club is owned and operated by the Arddiocese of Halifax to promote a Catholic social and recrutional centre. The aspiration of the University is to mathin this a centre where Saint Mary's students and gradumeet, especially during the time of summer vacation.

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Saint Mary's University Athletic Association regulates athletic activities of the students. All contests, externand and intra-mural are under the direction of the execut of the Association. Prizes are provided, University Letters and other awards are regulated.

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- **Shint Mary's Playshop.** A dramatic organization which prepares and present programs of entertainment under the direction of a member of the Faculty.
- The Graduate Society is composed of all who have received degrees from Saint Mary's University. It possesses, under circumstances determined by the Act of Incorporation of the University, the right of appointing a member to the Senate of the University. The Society meets annually and at such other times as circumstances may suggest.
- The Alumni Society. All former Saint Mary's students are eligible for membership. The Annual General Meeting is held in October on a day appointed by the executive. The Society holds social and recreational functions during the year and presents annually a Gold Medal for scholastic competition in the University.
- The Journal. A newspaper edited and issued twice a month by the students.
- The Collegian. A pictorial review and record of the main events of the scholastic year.
- The Glee Club (Choral Society) meets one night a week to interest students in the singing of two, three and four part harmony. Its membership is open to all who are interested in music.
- The Band is in attendance at all student activities and gives students an opportunity of developing musical talent.
- **Baint Mary's University Contingent Officers' Training Corps.** The University participates in the program of academic and practical studies approved by the Department of National Defence for University undergraduates whereby students may qualify for a commission in the Canadian Army—Active Force, Reserve Force or Supplementary Reserve. Students are selected for training by the University Selection Board, comprising a member of the Faculty nominated by the President of the University, the Commanding Officer of the Contingent and the Resident Staff Officer appointed by the Army. While undergoing both theoretical and practical summer training, the students are paid at the rates prescribed for Second-Lieutenants of the Canadian Army Reserve Force.

- University Subsidization Scheme. This University participates in a plan operated by the Department of National Defence whereby a limited number of students who are beginning their final year of a Degree course are commissioned in the Canadian Army. Those selected are granted leave of absence with pay for a maximum period of eight months while they complete their academic course. This scheme has been further expanded to permithe commissioning of students at the beginning of their Junior year. These students are given leave of absence without pay for one year and then leave of absence with pay for the final year of their course.
- The University Naval Training Division (U.N.T.D.) provide suitable candidates with an opportunity for undergoing training during the scholastic year and the summer vacations whereby students may qualify for commissioner rank in the Royal Canadian Navy, and Royal Canadia Navy (Reserve). While undergoing both theoretical and practical training students are paid at the regular servirates of the Royal Canadian Navy, as a cadet, of On-Hundred and Seventy Dollars (\$170.00) per month when actually training.

St. Mary's University Training Division is a tender to H.M.C.S. "SCOTIAN", the Halifax Naval Reser-Division. Training for 1952-53 will commence the firm week in October at which time recruits will be accepted.

Royal Canadian Air Force Summer Training and Subsidiation Training Schemes. The purpose of the R.C.A. training schemes offered to undergraduates of Canadia Universities is to prepare University graduates for serviwith the R.C.A.F. (Reserve or Regular Force) and all to provide them with practical training in citizenship at level commensurate with their academic attainment While on training successful candidates are paid rates of pay prevailing for Pilot Officer rank.

PLAN OF STUDIES

Saint Mary's believes firmly that education means the full balanced development of all the faculties of a man, and a liberal university course is the surest means to attain end. It stands foursquare for general education, as the most worthy of the dignity of the human soul and the one fitted to preserve a free society. It therefore exacts of all dents, no matter what the diversity of their vocational size may be, a large number of required courses, in the culral areas of languages and history, religion and philosophy, thematics and the sciences. These general subjects of meation amount to more than one-half of the total course uirements toward any one of the academic degrees awarded Saint Mary's.

RRICULA

But the University is conscious of the dignity of the lividual, and recognizes the divergence of men's inclinations a aptitudes which lead to specific vocational choices. It refore offers a reasonable variety of course programs igned to satisfy this need. There are five major divisions, ding to the Degrees of Bachelor of Arts, Bachelor of Science Bachelor of Commerce, and Diplomas in Journalism and gineering.

The various Faculties, each with its own proper objective, pive complete educational opportunity to Catholic young men. The Arts course is directed to basic training for professional preers. The Commerce course aims at solid business training. The Science course, with associated Engineering Diploma, repares the student for a future in industry and scientific evelopment. Finally Journalism with its stress on the Arts priculum, seeks to give a basic formation in publicity, public relations and associated fields.

DISCIPLINE

It is assumed that students come to the University for a serious purpose, and that they will cheerfully conform to duly stablished customs, policies and rules. These regulations are intended to maintain favourable study conditions, to promote character development and to foster gentlemanly deportment. No young man of integrity and good breeding can misunderstand the purpose of each regulation—and no other kind of boy is desired at the University. The faculty, therefore, reserves the right to censure or penalize students who are guilty of breaches of school discipline. It is the aim of the faculty to administer academic discipline so as to maintain the highest standards of integrity, yet this aim cannot be attained unless parents and guardians likewise are familiar with the routine of the school and its regulations. The registration of the student is considered an acceptance of these regulations both on the part of the student and on the part of his parents or guardian.

A candidate for a degree must be of good moral character and must have given general satisfaction throughout his course.

REGISTRATION

All applications for admission to the University should be forwarded to the Registrar. Registration will take place on the dates set forth in the academic calendar. See Bursar's Regulations for late registration fee.

All applicants for admission to the University for the first time must present satisfactory testimonials of good character

A student entering from another College must furnish from such institution a certificate of honourable dismissal.

No applications for changes in courses will be considered unless made and received within ten days after the opening of the University term. The phrase "opening of the University term" means the date on which lectures commence.

Students who are discontinuing studies must notify the Registrar's Office.

ACADEMIC REGULATIONS

Students are required to attend all classes of their courses regularly and punctually. Classroom doors will close at the time assigned for classes.

No student who has been absent from class or comes late is admitted without written authorization from the Dean's Office. It is the right of this office to determine whether the reason for absence or being late is acceptable. Parents are asked to cooperate with the school authorities in promoting regular and prompt attendance.

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When the work of a student becomes unsatisfactory or his attendance irregular, the student may be required to discontinue the class or classes involved and to be excluded from the examinations. The decision in this rests with the Dean of the Faculty and his Advisory Board. An unexcused absence from a term or final examination is regarded as a failure in that subject.

EXAMINATIONS

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The school year is divided into two Semesters or Terms. In each semester an examination in each subject is written overing the work done in class during that term. In addition, the semester, a test may be required in any subject and this test will count for 10% of the total marks for that semester.

Supplementary examinations are written on the dates signed in the Calendar.

A special examination is an examination written outside the time assigned for supplementary examinations and will be permitted only in cases of a student being prevented, for some stisfactory reason, from writing the regular examinations. (Special fee for this is listed in the Bursar's Regulations.)

GRADES

The pass mark in each subject is 50%. A student who attains 50% in any subject receives a credit in that subject.

A mark between 40% and 50% is a condition. A STU-DENT WHO HAS RECEIVED A CONDITION MUST WRITE A SUPPLEMENTARY EXAMINATION IN THAT SUBJECT THE FOLLOWING SEPTEMBER. If a student does not write a supplementary at the prescribed time or fails in a supplementary he must repeat that subject. No more than two conditions, and consequently no more than two supplementaries, are permitted in any school year. A student who has more than two conditions must repeat those subjects in which he has conditions.

A mark below 40% constitutes a failure and the subject must be repeated.

A STUDENT ENTERING HIS SENIOR YEAR WITH A CONDITION OUTSTANDING IN ANY SUBJECT WILL NOT BE CONSIDERED A CANDIDATE FOR A DEGREE OR DIPLOMA.

No student will be admitted to a term examination, promoted from one year to another or receive any degree, diploma, certificate or transcript of record until all financial accounts have been settled.

ADMISSION REQUIREMENTS

MATRICULATION

To be admitted to University as an undergraduate a candidate must offer credit in seven matriculation subjects. The Junior matriculation requirements are as follows:

B. A. COURSE

English Latin French

Algebra

Geometry

Two of: Chemistry, Physics, History, Economics, or another language.

B. COMMERCE COURSE

English

Latin or another language

French

Algebra

Geometry

Two of: Chemistry, Physics, History, Economics, or another language.

B. SCIENCE COURSE

English French or Latin Algebra Geometry

Physics

Chemistry

One of: History, Economics, Biology, Trigonometry, or another language.

DIPLOMA IN JOURNALISM

Same requirements as for B.A.

DIPLOMA IN ENGINEERING

Same requirements as for B. Sc.

Candidates for university should during their High School keep in mind the above requirements for admission to any faculty. If the requirement, especially in languages, has not been met, it will be necessary to take a remedial course to enable the candidate to fulfil that requirement.

ACCEPTABLE CERTIFICATES

Satisfactory marks in any of the subjects listed above be accepted as credit toward the entrance requirements in marks are granted by any of the following examining es.

- (a) Certificates of the Common Examining Board of the Atlantic Provinces.
- (b) High School Provincial or "Accredited" School Certificates of Grades XI or XII of Nova Scotia issued by the Department of Education of the Province of Nova Scotia.

The pass mark on Grade XI is 50%. Marks of 40% or over on Grade XII subjects may be counted as equivalent to passes in corresponding Grade XI subjects.

- (c) Equivalent Certificates issued by Education Departments of other Provinces.
- (d) Second Year Certificates issued by Prince of Wales College, Charlottetown, Prince Edward Island.
- (e) Equivalent Certificates of Matriculation Examinations taken at Universities.
- (f) Certificates similar to the above issued by University or other official examining bodies, when found adequate.
- (g) High School or Accredited High School certificates of the Province of New Brunswick.

ADMISSION TO ADVANCED STANDING

Applicants who present Nova Scotia Grade XII certifirates, or the equivalent, and whose academic record is satisfactory, receive credit in the following subjects: English 1, French 1, Latin 1, History 1, Mathematics 1.

The certificates to which these provisions apply are the following:

(a) High School or Accredited School Certificate of Grade XII of Nova Scotia issued by the Department of Education;

- (b) Third Year Certificate as issued by Prince of Wales College, Prince Edward Island.
- (c) Certificate of the first year of Memorial University College, Newfoundland.
- (d) Equivalent Senior Matriculation Certificates issued by Departments of Education of other Provinces, or approved by the Committee on Admission.

Candidates for Engineering will not be granted advanced standing in Mathematics for Grade XII credits.

Candidates for Arts or Commerce degrees must take a required Mathematics course of two semesters.

Mathematics in Freshman Arts is a basic course in Elementary Mathematical Analysis.

Mathematics in Freshman Commerce is a Course in the application of mathematical methods.

GENERAL FEES - 1952-53

 Thition
 \$150.00 a year

 Board, Room Rent and Laundry
 (\$50.00 each installment)

 \$540.00 a year
 (\$180.00 each installment)

PARTICULAR FEES

Existration Fee	\$ 5.00
Library Fee	10.00 a year
Endent Council Fee	2.00
Insurance Premium	4.00
Ceneral Fee	15.00 a year
Chution Money — for Resident Students	15.00
for Day Students	10.00
Enfirmary Fee	2.00 a day
Vacation Board and Room	3.00 a day

LABORATORY FEES

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100	bratory tees are payable acording to the following	nst.
	Biology 1	\$15.00
	Biology 2	15.00
	Chemistry 1	15.00
	Chemistry 2	15.00
	Physics 1	15.00
	Physics 2	15.00
	Physics 3	15.00
	Draughting 1	5.00
	Draughting 2	5.00
	Descriptive Geometry Draughting	5.00
	Graphic Statics	5.00
	Geology	5.00
	Summer Survey Camp	35.00

SCHOOL OF JOURNALISM FEES

In addition to the regular tuition fee, there is a charge for each subject taken in the School of Journalism.

Journalism	1				 	 																\$30.00
Journalism	2				 									•			•			•		30.00
Journalism	3				 					•		•			•			•	•			30.00
Advertising					 																	15.00
Public Rela	tic	on	IS		 								•									15.00

BURSAR'S REGULATIONS

1. All fees are payable strictly in advance: September 23rd: January 7th: March 14th.

2. The General Fee of \$15.00 is charged to every student and includes membership in the Athletic Association, the use of campus, gymnasium and recreational facilities, school publications (The Journal and Collegian) and auditorium concerts.

3. Students who withdraw form the University before the end of the academic year must arrange their accounts with the Bursar before departure. No refund of library or general fees can be granted. A proportionate rebate for board and room and tuition may be granted for absence due to sickness if the sickness extends beyond one month.

If a student enters the University after the date of opening, no reduction will be granted.

If a student be asked to withdraw from the University because of infractions of rules and regulations, he will not be entitled to any rebate of any fees.

4. Any damage done to University buildings, furniture or equipment will be charged to the offending students. On registering at the University each Resident student must deposit \$15.00 and each Day student must deposit \$10.00 as caution money.

5. The registration fee is charged only when a student registers for the first time. However, there is a penalt charge of \$5.00 for any student who registers late, whether registering for the first time or not.

6. The Graduation Fee with Degree is \$15.00. The Diploma in Journalism \$10.00 and Engineering \$5.00.

7. Students requiring a special examination in any subject will be charged \$10.00 a subject. Supplementary examinations are \$5.00 a subject.

8. An extra monthly charge is made in the exceptional case when a room is assigned to one student only.

9. Students who arrive before the opening day or remain at the University during vacations will be charged at the rate of \$3.00 per day.

10. Outside accounts (music teacher, druggist, doctor, hospital, etc.) will not be handled by the Bursar unless a

be an extra charge. Use of piano for prac-

11. Resident students' spending money and personal prense money must be arranged through deposits with the bursar by the student's parent or guardian.

12. The University will not advance money for the pur-

13. The University accepts no responsibility for injuries loss of time incurred by students while taking part in student activities.

14. During the school term, however, students are overed on compulsory payment of a premium of \$4.00 by surance against accident occurring on the University remises or elsewhere under University supervision. The policy provides up to \$50.00 for medical and dental coverage. Daims are made directly to the insurance company.

15. Students who, with the approval of the Dean, register for individual subjects, will be charged at the rate of \$35.00 per subject each term, but when this charge exceeds the regular tuition, the latter rate will apply.

16. Out-of-town students will not be permitted to reside putside the University.

17. Students who wish to have a transcript of marks will receive two copies free. But no student will be admitted to a term examination or be promoted from one class to another or receive any report, degree, diploma, certificate or testimonial whatsoever, until his financial accounts have been satisfactorily settled.

18. Drafts, cheques, money orders, etc., should be made payable at par to SAINT MARY'S UNIVERSITY and addressed the Bursar, Saint Mary's University, Robie Street, Halifax, N. S.

N.B.—Fees are subject to change with the varying cost of living.

FACULTIES

ARTS

The curriculum in Arts is planned to lay the foundation of a broad and liberal education. It stresses therefore, the literary and cultural courses and aims at the development of an interest in all that is best in life. It fosters an appreciation of what is sound in philosophy and beautiful in literature and seeks not merely to familiarize the student with the great facts and movements of history but to create interest in these movements and the personalities identified with them. The formation of studious and literary habits is regarded as of greater importance than the encyclopaedic acquisition of facts, while accurate and thorough scholarship in a rather limited field is preferred to superficial acquaintance with many branches of knowledge. In this, as in all courses, classes in religious and moral topics are essential requirements.

Degree of Bachelor of Arts

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English 1	English 2	English 3	English 4
Philosophy 1	Philosophy 2	Philosophy 3	Philosophy 4
Religion 1	Religion 2	Religion 3	Religion 4
Elective A1	Elective A2	Elective A3	Elective A4
Elective B1	Elective B2	Elective D1	Elective D2
Elective C1	Elective C2	Elective E1	Elective E2

Electives A1, A2, A3, A4, are four separate courses in one subject, to be selected from the following subjects:

French, History, Latin, Social Sciences. (Political Science Economics and Sociology, Social Problems).

Remaining electives are two-course electives and may be chosen from any of the above mentioned subjects not already chosen, or from the following:

Chemistry, History of Science, Mathematics, Physics Biology, Zoology. If either Chemistry or Physics is elected. Mathematics must also be taken.

Latin is obligatory for two years for all Arts students.

Students planning to enter the professions of dentistry, law or medicine should see that their course of studies includes subjects prerequisite to entrance in the professional school of their choice.

For the combined Arts and Journalism course, as explained on page 29, the following subjects must be added to the course above required for the Bachelor of Arts degree:

Journalism 1 Assignment Work Journalism 2

Journalism 3 English 3J.

SCIENCE

The Faculty of Science offers honour courses in Chemis-Physics and Mathematics and a general course.

The honours courses aim primarily at preparing students the pursuit of post-graduate studies after obtaining an mours B.Sc.

The general course is partially elective. A selection of ence subjects has to be made by the student and approved the Dean of the Faculty. Four years of English, Philosy and Religion are a requisite for any degree in the Faculty Science.

To be admitted to an honours course a student must have tained a mark of sixty per cent, or more, in each subject required for matriculation.

Degree of Bachelor of Science with Honours in Chemistry

ARST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
rench 1 sthematics 1E thematics 2E blosophy 1 hysics 1 eligion 1	Chemistry 2 Chemistry 4 Chemistry 6 Chemistry 7 Chemistry 14 English 2 Mathematics 3 Philosophy 2 Religion 2	Chemistry 9 Chemistry 10 Chemistry 11 Chemistry 12 Chemistry 13 English 3 Mathematics 4c Philosophy 3 Physics 3 Religion 3	Chemistry 16 Chemistry 17 Chemistry 18 or 19 Chemistry 20 Chemistry 21 Chemistry 22 French 5 Mechanics 4 Philosophy 4 Packaica 4

Degree of Bachelor of Science with Honours in Mathematics

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English 1 French 1 Mathematics 1E Mathematics 2E Philosophy 1 Physics 1 Religion 1	English 2 Mathematics 3 Mathematics 5 Mathematics 6 Philosophy 2 Physics 2 Religion 2	English 3 Mathematics 7 Mathematics 8 Mathematics 9 Philosophy 3 Physics 3 Religion 3	English 4 French 5 Mathematics 10 Mathematics 11 Mathematics 12 Mechanics 4 Philosophy 4 Paligian 4

Degree of Bachelor of Science with Honours in Physics

FIRST YEAR Chemistry 1 English 1 French 1 Mathematics 1E Mathematics 2E Philosophy 1 Physics 1 Religion 1

-120

SECOND YEAR
English 2
Mathematics 3
Mechanics 2
Philosophy 2
Physics 2
Physics 3
Religion 2

THIRD YEAR English 3 Mechanics 4 Philosophy 3 Physics 4 Physics 5 Physics 6 Religion 3

FOURTH YEAR

Religion 4 French 5 Philosophy 4 Physics 7 Physics 8 Physics 9 Physics 10 Religion 4

Degree of Bachelor of Science General Course

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOUTHE YEAR
English 1	English 2	English 3	English 4
Philosophy 1	Philosophy 2	Philosophy 3	Philosophy 4
Religion 1	Religion 2	Religion 3	Religion 4
Elective 1	Elective 4	Elective 7	Elective 10
Elective 2	Elective 5	Elective 8	Elective 11
Elective 2	Elective 5	Elective 8	Elective 11
Elective 3	Elective 6	Elective 8	Elective 12

COMMERCE

As a broad, technical training is of paramount significance the field of competitive business, the course leading to a pree of Bachelor of Commerce is offered to students who have the advantage of higher education and want, at the time, to prepare themselves for a commercial career. aim of this faculty is to combine the cultural aspects of the time with the general principles of business. The courses of University standard and a number of them are taken the faculty of Arts.

The degree of Bachelor of Commerce is conferred upon satisfactory completion of a course of four years study in Department.

The following extract from the by-laws of the Institute Chartered Accountants of Nova Scotia is drawn to the Institution of students of Commerce: "The Council, in its distion, may reduce the period of service to two years or one in may exempt a registered student who holds a Bachelor Commerce degree from the Primary examination of the institute."

Degree of Bachelor of Commerce

DEST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
	Accounting 2	Accounting 3	Accounting 4
	Commercial Law	Economics 3	Auditing
Fish 1	Economics 2	English 3	Economics 4
French 1	English 2	Philosophy 3	English 4
hilosophy 1 Ligion 1	Philosophy 2 Religion 2	Religion 3	Philosophy 4 Religion 4 Sociology

Students in Arts may, if they have previous permission of the Dean of Studies, proceed to the degree of Bachelor of Commerce by taking the following courses in the Faculty of Commerce, in addition to the subjects required for the Bachelor of Arts degree as shown on Page 24.

Secounting 1	Accounting 2	Accounting 3	Accounting 4
	Commercial Law	Economics 3	Auditing
	Economics 2		Economics 4

If the courses in Accounting 1 and 2, Commercial Law and Economics 2 and 3 are completed before graduating in Arts, the Degree of Bachelor of Commerce can be obtained in one additional year.

ENGINEERING

This faculty was established, in affiliation with the Nova Scotia Technical College, to prepare students who wish to qualify for a degree in Engineering. A Diploma in Engineering, which admits the holder to Nova Scotia Technica College without examination, is given for the successful completion of a three year course. Students who have received a Diploma in Engineering may obtain a Degree of Bachelor of Science by taking the Fourth Year of Engineering outlined below.

For the Diploma in Engineering, the syllabus of studies is that prescribed by Nova Scotia Technical College for the first three years of its five year course. The first three years are given only at the associated College, of which Saint Mary's is one, together with Acadia University, Dalhousie University. King's College, Memorial University, Mount Allison University and St. Francis Xavier University.

With a Diploma in Engineering a student may enter any one of the departments of Engineering at the Nova Scoti Technical College, Laval University or McGill University either Civil, Electrical, Mechanical, Chemical or Metallurgic or Mining, and obtain the Degree of Bachelor of Engineering at the successful completion of the last two years of the fire year course.

Bachelor of Science with Engineering

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAL
Chemistry 1	Chemistry 2	Chemistry 3	English 4
Draughting 1	Descriptive	Economics 1	Ethics (Phil. 3)
English 1	Geometry	Geology	Materials of
French 1	Draughting 2	Graphical Statics	Engineering
or Latin 1	Engineering	Mathematics 3	Mathematics 4
Mathematics 1	Problems	Mechanics 1	Mechanics 2
Physics 1	English 2	Physics 3	Religion 4
Religion 1	Mathematics 2	Religion 3	Strength of
	Physics 2	Survey 2	Materials
	Religion 2		Thermodynamic
	Survey 1		
	Survey Camp		

Diploma in Engineering

As in the first three years of the B.Sc. Course outlined above, with the addition of Mechanics 2 in third year.

SCHOOL OF JOURNALISM

This school was established in 1945 in co-operation with local newspapers, the Halifax Herald, the Halifax Mail, the bifax Star and the Halifax Chronicle. Its aim is to combine borough training in the techniques of newspaper work with tudy of the liberal arts so as to produce skilled journalists the a broad cultural background. Professional technical arses are conducted by experienced professional journalists the academic subjects are taken in the Faculty of Arts. The successful completion of the three-year course a ploma in Journalism is awarded.

Students may combine the course in Journalism with that Arts and obtain both the Diploma in Journalism and the Degree of Bachelor of Arts; the Diploma at the end of three mars, the Degree in the following year.

Diploma in Journalism

TRST YEAR

Indian 1 Internation 1 Internation 1 Internation 2 Internation 1 Internation 1 SECOND YEAR

Assignment Work English 2 French 2 Journalism 2 History 4 Psychology (Phil. 2) Religion 2 Advertising

THIRD YEAR

English 3 Journalism 3 Ethics (Phil. 3) Political Science Religion 3 Sociology Public Relations

Degree in Arts with Journalism

For this combined syllabus, the following subjects must be added to the course required for the Bachelor of Arts degree, as outlined on page 24.

Journa	ism :	1	
Assign	ment	Work	

Journalism 2

Journalism 3 English 3J

COURSES OF STUDY

Degree of Bachelor of Arts

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English 1	English 2	English 3	English 4
Philosophy 1	Philosophy 2	Philosophy 3	Philosophy 4
Religion 1	Religion 2	Religion 3	Religion 4
Elective A1	Elective A2	Elective A3	Elective A4
Elective B1	Elective B2	Elective D1	Elective D2
Elective C1	Elective C2	Elective E1	Elective E2

Degree of Bachelor of Science with Honours in Chemistry

Chemistry 1 Chemistry 2 Chemistry 9 Chemistry 16	
English 1 Chemistry 4 Chemistry 10 Chemistry 17	
French 1 Chemistry 6 Chemistry 11 Chemistry 18 o	r 19
Mathematics 1E Chemistry 7 Chemistry 12 Chemistry 20	
Mathematics 2E Chemistry 14 Chemistry 13 Chemistry 21	
Philosophy 1 English 2 English 3 Chemistry 22	
Physics 1 Mathematics 3 Mathematics 4c French 5	
Religion 1 Philosophy 2 Philosophy 3 Mechanics 4	
Religion 2 Physics 3 Philosophy 4	
Religion 3 Religion 4	

Degree of Bachelor of Science with Honours in Mathematics

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAL
English 1	English 2	English 8	English 4
French 1	Mathematics 3	Mathematics 7	French 5
Mathematics 1E	Mathematics 5	Mathematics 8	. Mathematics 10
Mathematics 2E	Mathematics 6	Mathematics 9	Mathematics 11
Phisolophy 1	Philosophy 2	Philosophy 3	Mathematics 12
Physics 1	Physics 2	Physics 3	Mechanics 4
Religion 1	Religion 2	Religion 3	Philosophy 4 Religion 4

Degree of Bachelor of Science with Honours in Physics

FIRST YEAR	SECOND YEAR	THIRD YEAR	1
Chemistry 1	English 2	English 3	1
English 1	Mathematics 3	Mechanics 4	1
French 1	Mechanics 2	Philosophy 3	g
Mathematics 1E	Philosophy 2	Physics 4]
Mathematics 2E	Physics 2	Physics 5	1
Philosophy 1	Physics 3	Physics 6]
Physics 1	Religion 2	Religion 3]
Religion 1			1

FOURTH YEAL English 4 French 5 Philosophy 4 Physics 7 Physics 7 Physics 8 Physics 9 Physics 10 Religion 4

Degree of Bachelor of Science General Course

YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
barthh 1	English 2	English 3	English 4
pophy 1	Philosophy 2	Philosophy 3	Philosophy 4
interior 1	Religion 2	Religion 3	Religion 4
Letive 1	Elective 4	Elective 7	Elective 10
Entive 2	Elective 5	Elective 8	Elective 11
tive 3	Elective 6	Elective 9	Elective 12

Degree of Bachelor of Commerce

tish 1 ti Accounting 2 Commercial Law Economics 2 English 2 French 2 Philosophy 2 Religion 2

Accounting 3 Economics 3 English 3 Philosophy 3 Political Science Religion 3 Accounting 4 Auditing Economics 4 English 4 History 4 Philosophy 4 Religion 4 Sociology 100

Degree of Bachelor of Science with Engineering

nistry 1 nghting 1 lish 1 Latin 1 Latin 1 hematics 1 rics 1 figion 1 Chemistry 2 Descriptive Geometry Draughting 2 Engineering Problems English 2 Mathematics 2 Physics 2 Religion 2 Survey 1 Survey Camp Chemistry 3 Economics 1 Geology Graphical Statics Mathematics 3 Mechanics 1 Physics 3 Religion 3 Survey 2 English 4 Ethics (Phil. 3) Materials of Engineering Mathematics 4 Mechanics 2 Religion 4 Strength of Materials Thermodynamics

Diploma in Engineering

As in the first three years of the course leading to B.Sc. bith Engineering, with the addition of Mechanics 2 in third year.

Diploma in Journalism

nglish 1 rench 1 Jurnalism 1 Jistory 2 Jistory of Science hilosophy 1 Religion 1 Assignment Work English 2 French 2 Journalism 2 History 4 Psychology (Phil. 2) Religion 2 Advertising English 3J Journalism 3 Ethics (Phil. 3) Political Science Religion 3 Sociology Public Relations

COURSES OF INSTRUCTION

ACCOUNTING

Accounting 1. The material deals with journals, ledgers and registers; trial balances, working papers, profit and loss statements, balance sheets and statements of earned surplus. It covers the accounting cycle — purchases, sales, receipts and payments—and introduces adjustments for depreciation and bad debts. The voucher system, sale proprietorships and partnerships make up the last phase of the year's work.

TEXT: Principles of Accounting—Introductory—Finn (Prentice-Hall)

Three hours a week; two semesters. Laboratory: Two hours a week, two semesters.

Accounting 2. Considerable attention is given to corporation accounting and features relating to bonds, sinking funds and sinking fund reserves are developed. Manufacturing accounts and manufacturing cost controls form an important part of the course. The subject matter includes an analysis of assets, the theory and principles of accounting, a study of departmental operations, and an analysis of statements.

TEXT: Principles of Accounting—Introductory—Finne (Prentice-Hall)

Three hours a week; two semesters. Laboratory: Two hours a week, two semesters.

Accounting 3. After reviewing end-of-period procedures for merchandising and manufacturing businesses and statement techniques, the material deals with an analysis of working capital; profit and loss analysis and an intensified study of corporation accounting.

Special emphasis is placed on asset, liability and reserve terminology and accounting treatment. The final phase of the work covers statements of application of funds.

TEXT: Principles of Accounting. Intermediate—Finner (Prentice-Hall)

Three hours a week; two semesters.

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Laboratory: Two hours a week, two semesters.

Ecounting 4. The advanced course devotes considerable itention to partnership accounting and deals with consignpents; installment sales; insurance; the correction of statepents and books; home office and branch accounting.

To promote the analytical thinking implicit in consoliinted accounting work the subject matter deals extensively with parents and subsidiary companies.

TEXT: Principles of Accounting—Advanced.—Finney (Prentice Hall) dit.

Three hours a week; two semesters. Laboratory: Two hours a week, two semesters.

AUDITING

Frocedures, Explanations, Miscellaneous Papers, Records, General Ledger, Vouchers and Invoices, Audit Working Papers, Report on Examination of Accounts, Ruled Paper and File.

TEXT: Audit Practice Case. Meyer (Prentice-Hall) Auditing, Smails (Pitman)

Lectures: One hour a week, two semesters. Laboratory: Two hours a week, two semesters.

BIOLOGY

Biology 1. General Biology. A preliminiary study of the structure and function of living organisms leading to an understanding of the elementary principles of anatomy, cytology, genetics, histology and physiology.

TEXTS: Animal Biology, Guyer. (Harper)

Botany, Principles and Problems, Sinnott (McGraw-Hill)

Lectures: Three hours a week, two semesters. Laboratory: Three hours a week, two semesters

Biology 2. General Zoology. A study of the classification, history, internal and external and comparative structure of representative invertebrates and vertebrates.

TEXTS: General Zoology, Storer, (McGraw-Hill) Lectures: Three hours a week, two semesters. Laboratory: Six hours a week, two semesters.

CHEMISTRY

Chemistry 1. General Chemistry. An introduction to fundamental principles; the kinetic molecular theory; theory of ionization and of the factors influencing reaction velocities and equilibrium; the periodic table and the properties and reactions of representative elements.

TEXT: College Chemistry, Smith, (Appleton-Century) Two hours a week, two semesters.

Laboratory: Three hours a week, two semesters.

Chemistry 2. Elementary Qualitative Analysis. An introductory course in the theory and techniques of inorganic qualitative analysis; Ionic equilibria, solubility products, etc.

TEXTS: Qualitative Analysis, Engelder, (John Wiley) Qualitative Analysis, Hardsuch, (John Wiley)

Lectures: One hour a week, one semester Laboratory: Four hours a week, one semester.

Chemistry 3. Theoretical Chemistry. A lecture course dealing with present-day theories of atomic and molecular structure and the modern interpretation of the more important chemical phenomena.

TEXT: Principles of Chemistry, Hildebrand, (Macmillan). Two hours a week, two semesters.

Chemistry 4. Organic Chemistry. A study of the chief aliphatic and aromatic compounds in particular of those of greater importance to industry or medicine.

TEXT: Organic Chemistry: Perkin & Kipping, (Lippincott): Lectures: Three hours a week, two semesters.

Laboratory: Three hours a week, two semesters.

Chemistry 5. Elementary Quantitative Analysis. An introductory course in the theory and techniques of inorganic quantitative analysis.

> Lectures: One hour a week, one semester Laboratory: Four hours a week, one semester.

Chemistry 6. Elementary Physical Chemistry. A study of the states of matter, conditions of equilibria and reaction rates. A course in the fundamentals of Physical Chemistry for Honours Chemistry students.

-100

Lectures: Three hours a week, two semesters.

Chemistry 7. Quantitative Analysis. A first course for Honours Chemistry and Chemical Engineering students.

> Lectures: One hour a week, one semester Laboratory: Seven hours a week, one semester; four hours a week, one semester.

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Chemistry 8. Inorganic Chemistry. Lectures on the classification of chemical data in the Periodic Table. Lectures: One hour a week, two semesters.

Chemistry 9. Organic Chemistry. A second course with emphasis placed on reaction conditions.

Lectures: Two hours a week, two semesters.

Chemistry 10. Organic Qualitative Analysis. Laboratory: Six hours a week, two semesters.

Chemistry 11. Chemical Thermodynamics. A study of the significance, measurement, and practical application of entrophy and free energy changes.

Lectures: Three hours a week, two semesters.

Chemistry.12. Elementary Physical Chemistry Laboratory. Laboratory: Three hours a week, two semesters.

Chemistry 13. A study of the Phase Rule and the graphical representation of equilibrium data.

Lectures: One hour a week, two semesters.

Chemistry 14. Industrial Quantitative Analysis. Theory of methods used in industry. Analysis of substances of commercial importance.

Lectures and Laboratory: Three weeks in May or September.

Chemistry 15. Theory of Physical Chemistry Measurements. A course intended primarily for Pre-medicine students.

Lectures: Three hours a week, two semesters.

Chemistry 16. Advanced Organic Chemistry. Emphasis placed on molecular structure.

Lectures: Two hours a week, two semesters..

Chemistry 17. Electrochemistry. Conductance and mobilities. E.M.F.'s in thermodynamic theory, polarization, reactions at electrodes, etc.

Lectures: Two hours a week, one semester.

Chemistry 18. Atomic Structures. Lectures: Two hours a week, one semester.

Chemistry 19. Kinetic Theory. Prerequisite, Chemistry 6. Lectures: Two hours a week, one semester.

Chemistry 20. Advanced Physical Chemistry Laboratory Reaction rates and yields. Surface phenomena. Electrochemistry.

Laboratory: Six hours a week, two semesters.

Chemistry 21. Conferences and laboratory work to introduce the student to original research.

Conferences and Laboratory: Ten hours a week, two semesters

Chemistry 22. Chemistry of Surfaces. Lectures: Two hours a week, one semester.

-120

COMMERCIAL LAW

Negotiable Instruments and their validity; contracts and perms of sale; legal liability in various business transactions; pany formation and dissolution; bankruptcy; insurance; pere important Canadian legislation affecting trade and perce.

and be

TEXT: Summary of Canadian Commercial Law, Anger, (Pitman & Sons).

Two hours a week, two semesters.

DESCRIPTIVE GEOMETRY

Problems on points, lines, plane and warped surfaces, with hasis on practical draughting related to mining, construction, geological and topographical applications.

EXTS: Applied Descriptive Geometry, Warner, (McGraw-Hill).

Applied Descriptive Geometry Problems (Warner & Douglas, McGraw-Hill).

Three hours a week; two semesters.

DRAUGHTING

Draughting 1. The work of this course has been so arranged to develop the technical skill of the student and to train in to visualize and reproduce simple objects by drawings. Special attention is given to lettering.

DEXTS: Technical Drawing; Technical Drawing Problems; Giesecke, Mitchell & Spenser, (Macmillan).

Three hours a week; two semesters.

Draughting 2. (a) Plotting, by various methods, the notes then during area surveys at summer camp.

(b) Advanced machine draughting with an introduction to the theory of oblique drawing and perspective. The use of auxiliary views, employing more difficult problems in sectioning and dimensioning.

TEXT: Technical Drawing, Giesecke, Mitchell & Spencer, (Macmillan).

Three hours a week; two semesters.

ECONOMICS

Economics 1. General Principles of Economics

Human Wants and Scarcity; fundamental concepts; characteristics of Capitalism; nature of Production, productive factors; Economic specialization; organization of Business Business units, Business risks; Exchange, Money; Investment and Commercial Banking; fluctuation in purchasing power, in Business activity; price determination; Costs of Production competitive prices, monopoly prices; International Trade, distribution of Income; Rent, Wages, Interest, profits; the principles of Consumption.

TEXT: Fundamentals of Economics, Gemmill, (Harper).

Three hours a week, two semesters.

Economics 2. Canadian Problems.

National and Political life; Economic developments; Population and its problems; the growth of Industry and Commerce; Agriculture in the economy of Canada; Banking and Currency; Transportation.

Reference: Report of the Royal Commission on Dominica-Provincial relations. Book 1. (Sirois Report) Canada: 1867-1939.

> Three hours a week, one semester. Regular compulsory assignments.

Economics 3. Corporation Finance.

The Corporation and its Financial Structure; Common Stock; Stocks with preferences; Bonds; the promotion of a Business; Valuation of a Business; Financing manufacture Promotion of a Public Utility; marketing of Securities; Working Capital; Adjustments for wasting assets and future losses computation of Surplus; distributing Profits; the voting trust Investment Companies; Business expansion; Industrial combinations; Corporation failures, reorganizations.

TEXT: Corporation Finance, Dewing, (Ronald Press). Three hours a week, two semesters. Regular compulsory assignments.

Economics 4. American Economic History.

Economic causes of the American Revolution; Finance Tariff; Westward expansion from the Revolution to the War;; Economic causes of the Civil War, significance; Agrarian Revolution; the Industrial Revolution; consolition of Business; the Labor movement; Financial History Ince 1860; Economic Imperialism; First World War; Economic Impression and Collapse; the New Deal; World Economic Intions.

TEXT: American Economic History, Faulkner, (Harper).

Three hours a week, two semesters. Regular compulsory assignments.

ENGINEERING PROBLEMS

The application to practical problems of all mathematics and physics already covered or presupposed. The course serves as a review of acquired knowledge and aims at developing thoroughness and accuracy.

TEXT: Mathematics for Engineers, Vol. 1. Rose, (Chapman-Hall).

Three hours a week, two semesters.

ENGLISH

English 1.

1a. Survey of English Literature, from the Anglo-Saxon Invasion to the middle of the Seventeenth Century, with special attention to Bede, Malory, Chaucer; More, Spenser, Southwell, Campion.

1b. Elizabethan Drama: Shakespeare, Marlowe, Ben Jonson; for intensive study, Hamlet, Macbeth.

1c. The Theory of Poetry. The basic elements of poetry: experience, imagery, feeling, rhythm, language: technical elements, versification; stanza forms, melody: illustrative reading and training in critical appreciation.

1d. Composition. Regular assignments on the matter treated in the previous sections.

1e. Debates, under direction. All students must take part in the schedule of debates for the season.

TEXTS: The Literature of England, Vol I., Woods, Watt, Anderson, pp. 1-563, (Scott, Foresman).

Composition text American College English (Gage)

Five hours a week, two semesters.

English 2.

2a. Survey of English Literature, XVII - XVIII Century, Donne, Herrick, Crashaw, Isaak Walton; Milton, Bunyan; Butler, Pepys, Dryden, Addison, Swift, Pope, Goldsmith, Samuel Johnson, Edmund Burke, Boswell, Sheridan.

2b. Shakespearian Drama. Study and discussion of the plays of Shakespeare and the literary canons they exemplify. References to and evaluation of representative Shakespearian critics. For intensive study, Othello, King Lear.

2c. The Essay. A critical study of the Essay, its literary content, characteristics and origin.

2d. Composition. Critical and Imitative essays on the authors studied.

2e. Debating. One hour a week. Active membership in College Debating Society is a requisite of English II.

TEXT: Literature of England, Vol. I.: Woods, Watt, Anderson, pp. 563 sqq., (Scott, Foresman).

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Four hours a week, two semesters.

English 3.

3a. English Literature: the Age of Romanticism. The proach to Romanticism, Gray, Cowper, Burns, Blake: mantic Poetry, Wordsworth, Coleridge, Scott, Byron, Selley, Keats; the minor poets, Southey, More, Hood, Landor: mantic Prose, Lamb, Hazlitt, De Quincey.

The Victorian Era. Prose: Macaulay, Newman, Carlyle, Euskin, Matthew Arnold, Pater:

Poetry: Tennyson, the Brownings, Newman, Emily Bronte, Matthew Arnold, Rosetti, Thomson, Meredith: Fitzgerald, Swinburne.

3b. Nineteenth Century Novelists. Scott, Jane Austen, Dickens, Thackeray, the Brontes, George Eliot, Trollope, Mereith, Hardy, Stevenson, Bennet, Henry James.

3c. A critical study of the novel, as exemplified by the suthors read during the year.

3d. Monthly essays on the Literature studied, and at least six critical book reports on Novels of the authors studied.

3e. Debating. One hour a week. Active membership in the College Debating Society is a requisite of English III.

TEXTS: The Literature of England, Vol II; Woods, Watt, Anderson, (Scott, Foresman).

Four hours a week, two semesters.

English 4.

4a. Twentieth Century Literature. Modern trends, and living authors, analyzed and criticized; drama, poetry, fiction, essays.

The Catholic Revival. The Wards, Alice Meynell, the Maynards, Chesterton, Belloc.

4b. Modern Drama, the One-Act Play.

4c. The Short Story.

430

4d. Composition. Essays imitative of modern trends in style. Letter writing and Business Composition. Debating material, Radio talks.

4e. Debating. Active membership in the University Debating Society.

TEXTS: The Literature of England, Vol. II, Woods, Watt, Anderson, (Scott, Foresman).

The Catholic Revival in Literature, Alexander, (Bruce).

Four hours a week, two semesters.

FRENCH

French 1 Phonetic Diction: French sounds and rhythms in prose and verse.

100

This is a partial course whose object is to improve the indent's pronunciation through imitation of carefully graded assages of conversational and literary French.

Recorded material for this course will be available at the Practice Laboratory.

Three hours a week, two semesters.

French 2 Functional Grammar

This course, which will consist of oral and written work, will include:

(a) a general knowledge of the functional forms of French grammar remaining from the lower courses, and which the average student finds somewhat difficult to master te.g. use of tenses, subjunctive mood, relative pronouns, past participles etc.);

(b) written translation work from English into French for the purpose of making practical the general grammar review.

TEXT: Modern French Course, Dondo, Part II. Three hours a week, two semesters.

French 3 Le Roman

As an introduction to French culture of city and country the student studies some great novels of that civilization, seeing with the penetrating gaze of the novelist the things that have made France glorious.

TEXTS:	Contes et Comédies Harper
	La terre qui meureBazin
	Choix de FablesLa Fontaine
	DictionaryKittredge
	Le tour du mondeVerne
TI	ree hours a week: two semesters.

French 4 Diction

84.50

This partial course aims at a better appreciation of the aesthetic qualities of French used orally in prose and in verse. It will feature a number of special exercises designed to correct defects in pronunciation and intonation, rate of reading, so that the student may participate in recitation of the assigned subjects.

Recorded material for this course will be available at the Practice Laboratory.

Three hours a week, two semesters.

French 5 Translation and Composition

The purpose of this course is:

- (a) to review grammar by means of graded translation into French;
- (b) to develop fluency in written French by practising the translation of set composition on subjects connected with French culture and customs.
- TEXT: New French Review Grammar and Composition-Barton & Sirich.

Three hours a week, two semesters.

French 6 Modern French Dramatists

Two authors have been chosen for analytical study from the vast literature of this field. Rostand for his graceful eloquence, poetry and wit; Bornier for his ringing echoes of epic poetry written in the truly classical dramatic form. These authors will be used for intensive study of their dramatic lyris and physchological content; an extensive knowledge of a choice of those listed as "Readings" will also be required of the student.

Readings: A Short History of French Literature—Strache Comédies et proverbes, Lorenzaccio — Alfred Musset

> Henri III et sa cour A. Dumas Hernani, Ruy Blas V. Hugo Chatterton A. de Vigny

TEXTS: Cyrano de Bergerac — Holt La fille de Roland — Heath

Three hours a week; two semesters.

French 7 Translation and Composition

The purpose of this course is,

(a) to complete the review of grammar by means of graded translations into French;

and the

- (b) to further develop fluency in written French by means of free compositions on assigned subjects connected with French customs and literature.
- TEXT: New French Review Grammar and Composition— Barton & Sirich.

Three hours a week, two semesters.

French 8 Trends in Nineteenth Century French Literature

This course will present the outstanding figures of the beriod and their contribution to the great movements of comanticism, Realism and Symbolism which characterize the French literature of this century.

TEXTS: L'Evolution de la Littérature française — Verriest Nineteenth Century French Readings—Vol. I & II— Schinz.

Three hours a week; two semesters.

French 9 (a) The Golden Age of French Literature

This course will deal chiefly with the great dramatists of the French classical period who reflect most vividly the literary trends and seventeenth century French life.

TEXTS: L'Evolution de la Littérature française — Verriest Horace—Corneille

Three hours a week; one semester.

French 9 (b) The Philosophers of Eighteenth Century France.

The Eighteenth century, le siècle de Voltaire, is above all a century of ideas and their popularization—ideas that culminated in the French Revolution. This course will be a study of the literary school that furnished the ideas and saw to their propagation.

TEXTS: L'évolution de la littérature française — Verries Eighteenth Century French Readings — Schinz.

Three hours a week; one semester.

French 10 French in Scientific Literature

The reading and translation of current publications of French academies and societies of science.

One seminar a week for two semesters.

GEOLOGY

This course lays special emphasis on the application of geologic principles to the problems of engineering. A brief synopsis of stratigraphical and historical geology. A microscopic study of rocks with special reference to forms of description and methods of classification as represented by a standard set of fifty books. Thesis Requirement on the Geological Structure of Nova Scotia.

TEXT: Geology, Emmons, Thiel, Stauffer, Allison, (Ginn).

Three hours a week, two semesters.

GRAPHICAL STATICS

Equilibrium polygon and polygonal frames for all system of loads; graphical representations of shears and moments for non-continuous and continuous beams; roof trusses; dead, live and wind load stresses for fixed ends and ends on rollers; maximum stresses; simple bridge trusses; simple cantilevers.

TEXT: Applied Mechanics, Poorman, (McGraw-Hill).

Three hours a week; one semester.

HISTORY

story 1. Mediaeval History. From the beginning of the ristian era to 1500 A.D. Conflict between Paganism and ristianity; Constantine; the Invasion of the Barbarians; the engelization of Europe; the onslaught of Islam; the Empire Charlemagne; Germany and the conflicts between Empire Papacy; Norman conquests of England and Italy; the vasion of Ireland; France under the Capetians; the Hundred ears War; Feudalism; Chivalry; the Crusades; the Univerties; the Great Schism of the West; Portuguese explorations d the voyages of Columbus.

TEXT: Mediaeval History — Carl Stephenson (Harper & Brothers)

Three hours a week; two semesters.

Story 2. Renaissance, Reformation, Revolution. 1500-1815 D. Background of the Renaissance in Italy; Petrarch and Dante; European Literature and Culture in the fourteenth and fifteenth centuries; the Humanists.

The Reformation; Religious conditions in Europe in the teenth century; Luther; the course of the Reformation in the sixteenth century; the Counter-reformation.

Empire of Charles V; the Thirty Years War; Age of Louis XIV; Wars, Social conditions; Conflict of English and French interests in America and India; Seven Years War; Evelopment of Prussia; the French Revolution; Robespierre; Suppleonic Era.

TEXT: Political and Cultural History of Modern Europe, Vol. I, Hayes, (Macmillan).

Three hours a week, two semesters.

History 3. Modern History. 1815-1914 A.D. The era of Letternich, 1815-1830, Congress of Vienna; the Industrial Levolution; Democratic Reform; Revolutions of 1848; the rowth of Nationalism; Karl Marx and Modern Socialism; marchism and Syndicalism; Great Britain and Ireland; Latin Europe; Teutonic Europe; the Russian Empire; dismemberment of the Ottoman Empire; the New Imperialism; European civilization in America and Africa the British Empire International relations, (1871-1914).

TEXT: A Political and Cultural History of Modern Europe Vol. II, Hayes, (Macmillan).

Three hours a week; two semesters.

History 4. History of Today.

-1.50

World War I, 1914-1919; its background and immediate causes; the entry of the United States; military operations; poison gas and propaganda; peace moves and war aims; the Peace Conference of Paris; the Treaty of Versailles; other peace treaties.

Twenty Years Armistice; the League of Nations; Repartions; the Depression; unrest; national developments in Great Britain, Ireland, France, the Far East, the United States.

Second World War, 1939-1945; the background; outbreak of war; the Sitzkrieg, Blitzkrieg; the fall of France, the Battle of Britain; invasion of the Soviet Union; Pearl Harbour and the entry of the United States; the African Campaign; Italy the invasion of Normandy; Victory in Europe; the Atomic Bomb; Victory in Japan; the aftermath.

TEXT: The World since 1914, Langsam, (Macmillan)

Three hours a week; two semesters.

HISTORY OF SCIENCE

The purpose of this course is not only to give an outline of scientific progress through the ages, but also to trace the influence of the scientific background on literature and politcal thought. The course falls naturally into six parts: Science in the Ancient World, The Middle Ages, The Renaissance, The Newtonian Revolution, The Nineteenth Century and the New Era in Physics.

TEXT: A Short History of Science, Sedgwick, Tyler & Bigelow, (Macmillan).

REFERENCES: The Rise of Modern Physics, Crew: History of Mathematics, Ball: The History of Biology, Nordaskiold: A History of Chemistry, Brown: Greek Astroomy, Heath: A Short History of Medicine, Singer, The Autobiography of Science, Moulton and Schifferes.

Two hours a week, two semesters.

JOURNALISM

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Two hours a week, two semesters.

Immalism 2.

2a. Reporting and newswriting, including assignments ing the lines of actual newspaper work. Training for more important duties in the writing field. Advertising.

Two hours a week, one semester.

2b. Copy and proof-reading, headline writing. Backround training for desk-work and accurate and effective adding of news material.

Two hours a week, one semester.

Journalism 3.

Newspaper editing, features, editorials, newspaper policy practice. Public Relations.

Two hours a week, two semesters.

LATIN

Latin 1

- 1a Authors. Cicero, Pro Archia; Virgil, Aeneid II: Ovid, Metamorphoses; Sallust, Bellum.
- 1b Composition. Bradley's Arnold ex. 1-14.
- 1c Roman History.

Three hours a week, two semesters.

Latin 2

2a Authors. Cicero, Pro Lege Manilia; Livy, Book XXI: Virgil, Aeneid VI.

Composition. Bradley's Arnold ex. 15-32.

History of Latin Literature. Latin Literature, Mackail.

Three hours a week, two semesters.

Latin 3

- 3a Authors. Horace, Odes & Epodes, Ars Poetics. Satires & Epistles.
- 3b Composition. Bradley's Arnold ex. 33-53.
- 3c Latin Prosody, A study of the rules of Latin prosody scansion and verse forms.

Three hours a week, two semesters.

Latin 4

- 4a Authors. Tacitus; the minor poets, Ennius, Catullat Tibullus, Phoedrus, Seneca, Martial.
- 4b Composition. Bradley's ex. 54 to the end.
- 4c Ecclesiastical Latin. From Latin for Use, Holsappie (Crofts)

Three hours a week, two semesters.

MATERIALS FOR ENGINEERING

A presentation of the physical properties of common paterials used in structures and machines, together with demiptions of their manufacture and fabrications. Testing pachines and Standard Tests.

TEXT: Properties of Materials of Engineering, Murphy (International Text Book)

One hour a week, two semesters.

MATHEMATICS

Mathematics 1A (Arts)

1a. An analysis of arithmetic, algebraic and geometric fundamentals and their application to practical problems.

1b. Elementary Trigonometry and an introduction to Calculus.

TEXT: Elementary Mathematical Analysis. Tate. (Pitman).

Three hours a week, two semesters.

Mathematics 1C (Commerce)

2a. Mathematics of Finance. Commercial Algebra; Equations, Proportion, Percentage, Interest, Discount, Expoints, Radicals, Compound Interest, Annuities, Life Insurance.

Three hours a week, two semesters.

TEXT: Mathematics of Finance: Simpson, Pirenian, Crenshaw. (Prentice-Hall).

2b. Statistical Procedures. Measurement of Central Indencies and Variability, Correlation, Reliability, Multiple-Factor Analysis, Variance.

TEXT: Statistical Procedures and Their Mathematical Bases. Peters and VanVoorhis. (McGraw-Hill) Three hours a week, two semesters.

Mathematics IE (Engineers and Science)

1c. A practical analysis of basic mathematical procebares and their application to engineering problems, to run incurrently with Mathematics 1d and 1e. 1d. Advanced Algebra. Graphs, Theory of Quadratic Equations; Maximum and Minimum Values of Simple Functions; Ratio and Proportion; Variations, Progressions, Simple Series; Permutations and Combinations; Binomial Theorem: Determinants.

1e. Trigonometry. Plane Trigonometry including Idem tities, Equations, establishment of the ordinary formulae. Logarithims, Solutions of Triangles, Heights, Distances.

TEXTS: College Algebra, Ross R. Middlemiss. (McGraw-Hill).

TEXTS: Elementary Trigonometry—Evans—(Ginn) Five hours a week, two semesters.

Mathematics 2E.

2c. Analytic Geometry. Co-ordinate systems, Transformations, Loci and their equations, the Straight Line, Circle Parabola, Ellipse, Hyperbola; elementary Analytic Geometry of three dimensions.

2d. Differential Calculus. Study of the Infinitesimals Limits, Limiting Values of Ratios, Differential Coefficient Differentiation of Simple, Complex and Transcendental Functions; Equations of Tangents and Normals; lengths of Subtangents and Subnormals; determination of Angles of Intersections of Curves; Problems on Rates, Maxima and Minima

TEXT: Analytic Geometry and Calculus, Gay (McGraw-Hill).

Three hours a week, two semesters.

Mathematics 3. Integral Calculus. Standard methods of Integration Formulae. Use of Calculus in determining Area Volumes, Centroids, Moments of Inertia, Lengths of Curve and in the solution of other problems occuring in Mechanics and General Physics. An elementary study of Differentia Equations.

TEXT: Analytic Geometry and Calculus, Gay (McGraw-Him).

Three hours a week, two semesters.

Mathematics 4.

4a. Mathematical Analysis. Complex Quantities and beir Graphical representation, De Moivre's Theorem, Hyperbic Functions, Expansion of Functions, Fourier's Series, Fubability.

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TEXT: Practical Mathematics for Advanced Technical Students, Mann, (Longmans).

Three hours a week, one semester.

4b. Spherical Trigonometry. Relations between the ides and angles of a spherical triangle. Solution of the terrestrial and astronomical triangles. Problems in navigation, prveying and astronomy.

TEXT: Spherical Trigonometry, Murray, (Longmans).

One hour a week, one semester.

4c. Differential Equations. A first course for students of engineering, physics and chemistry.

TEXT: Differential equations in applied chemistry. *Hitchcock* and Robinson, (Wiley)

Mathematics 5. Elementary Geometry of Quadrics. A second course in analytic geometry terminating in a knowledge of the properties of quadric surfaces.

TEXT: Analytic Geometry, Smith, Salkover and Justice, (Wiley)

Three hours a week, two semesters.

Mathematics 6. Elementary Theory of Equations. General theorems. Methods of solutions. Cubic and quartic equations. Determinants. Symmetric functions. Resultants. Discriminants and Elimination.

TEXT: The Theory of Equations: Conkwright, (Ginn) Three hours a week, two semesters.

Mathematics 7. Applied Alegbra and Calculus. The use of theory of equations differentiation and integration, with em-

phasis on the underlying principles, rather than on direct application to specific problems.

TEXT: Higher Mathematics for Engineers and Physicist Sokolnikoff and Sokolnikoff, (McGraw-Hill)

Three hours a week, two semesters.

Mathematics 8. Functions of a Real Variable. The continuous real variable. Dedkind's theorem. Weierstrass theorem. Rational functions. Loci in space. Complex numbers. Limite of a function. The infinite in analysis.

TEXT: Mathematical Analysis, Goursat-Hedrick, Vol. L.

Three hours a week, two semesters.

Mathematics 9. Functions of a Complex Variable. Generative theory of analytic functions. Single-valued analytic functional Analytic extension. Analytic functions of several variables

TEXT: Mathematical Analysis, Goursat-Hedrick, Vol. IL part 1.

Three hours a week, two semesters.

Mathematics 10. Differential Equations. Second-order differential equations. Linear differential equations of higher order. Algebra of inverse operators. Systems of linear differential equations. Solution in power series.

TEXT: Mathematical Analysis, Goursat-Hedrick, Vol. IL part 2.

Mathematics 11. Theory of Numbers. An introduction the problems of the analytic number theory.

TEXT: The Theory of Numbers, Hardy and Wright. (Oxford Univ. Press)

Three hours a week, two semesters.

Mathematics 12. Modern Geometry. An introduction to the mathematical presuppositions and relations which form the basis of modern geometry.

TEXT: The Foundation of Geometry, Robinson.

-52

Three hours a week, two semesters.

MECHANICS

Techanics 1. Mechanics of Machines. Motions and Velocities; Instantaneous Center; Kinematic Chain Velocity diagrams; Cans, Gearing, Belting, Intermittent Motions.

TEXT: Kinematic Problems, Wingrin, (Prentice-Hall) Kinematic of Machines, Guillet (Wiley) Three hours a week; two semesters.

chanics 2. Applied Mechanics. Co-planar force systems, include and analytic methods, application to determination presses in common trusses and cranes; Friction, determinaof Centroids and Moments of Inertia. Rectilinear, Curlinear and Rotational motion of particles and solid bodies; Tak, Energy and Power. Impulse of Momentum.

TEXT: Applied Mechanics, Poorman, (McGraw-Hill). Three hours a week, two semesters.

Mechanics 3. Statics. Analytic and graphic solution of systems of coplanar forces and of forces in spaces.

TEXT: Applied Mechanics, Poorman, (McGraw-Hill)

Three hours a week, two semesters.

Schanics 4. Mechanics of Molecules. General principles of resical mechanics. The rigid body. Absolute and relative pocity. The Hamiltonian form of the kinetic energy. Introlation of quantum mechanics.

TEXT: Principles of Mechanics, Synge and Griffiths. (McGraw-Hill)

Three hours a week, two semesters.

PHILOSOPHY

Philosophy 1.

-2.50

1a. Logic. Formal Logic, in the traditional manner, which is added an elementary course in induction.

TEXT: Logic, A. H. Bachhuber. (St. Louis U.). References: Science of Correct Thinking, Bittle. (Bruce) Formal Logic, J. Maritain.

Three hours a week, one semester.

1b. Epistemology. The problem of knowledge; traand error; certitude; motives for certitude; Scepticism, Catesian Doubt, Idealism, Relativism, Pragmatism, the probleof the Universals, the criterion of truth; Induction and Dduction.

TEXT: Reality and the Mind. Bittle. (Bruce) Three hours a week, one semester.

Philosophy 2. Psychology and Natural Theology (1952-19

2a. General Introduction to Psychology. Man is studas a living organism. The nature of life, the nervous systethe senses, internal and external; imagination, memory, stinct and appetite are studied as functions of the anin organism. Modern experiments in psychology are surveand their contributions evaluated. Man is then studied as rational animal. Intellection, volition, freedom of the will, nature of the soul, its spirituality, immortality and its origination The human person and its destiny.

TEXT: The Philosophy of Human Nature. George E Klubertanz. (St. Louis U.).

References: Psychology, Maher

Principles of Psychology, Harmon

Summa Theologica, Part 1, St. Thoma Aquinas.

2b. Natural Theology. The existence of God, His natural and attributes. Creation, Providence. Theism and Atheism TEXT: Special Metaphysics, Part II, Natural Theology. McCormick (Loyola)

References: Natural Theology, Joyce.

Manual of Scholastic Philosophy, *Mercier* Psychology: 60 hours. Natural Theology, 30 hours.

Theosophy 3. (1953-1954)

3a. Ethics. (1) General Ethics. The nature of human is: the morality of actions; the distinction between moral and moral evil; duty; natural law, positive law; norm and meria of morality, rights.

and in

(2) The application of general principles; individual and right and obligations; Natural Religion; nature of property; domestic society; marriage and divorce; society, its nature and forms; socialism; the philosophy communism. Church and State; international law; peace war.

TEXT: Folio

References: Liberty, Its Use and Abuse. Cox. The Science of Ethics. Cronin. Reading in Ethics. Leibel. Man as Man. Higgins.

Four hours, one semester.

3b. (1) General Metaphysics. Ontology; the notion of Act and Potency; the notion of Being; Causes and the Priniple of Causality; Finality; the Transcendentals; the Prediiments; Substances and Accidents; Relations.

TEXT: The Philosophy of Being. Renard (St. Louis U.).

References:

General Metaphysics. *Rickaby*. Manual of Modern Scholastic Philosophy. *Mercier*.

(2) Special Metaphysics. Cosmology: the nature and irigin of the material universe; the nature of physical bodies; the constitution of matter; space, time, motion.

References: From Aether to Cosmos. Bittle. (Bruce) Cosmology, Williams.

Four hours, one semester.

Philosophy 4.

4a. Ancient Philosophy with particular attention to the teachings of Socrates, Plato, Aristotle and Plotinus among the Greeks; and to St. Augustine as representative of the early Christian philosophers.

4b. Mediaeval Philosophy: the development of Scholartic Philosophy and the system of St. Thomas Aquinas as the complete synthesis of Mediaeval thought.

4c. Modern Philosophy: Descartes, Locke, Hume, Kan Hegel, Comte and Spencer are taken for special study. The revival of Scholasticism and the Realistic movement are treated as present day tendencies.

References: History of Mediaeval Philosophy. DeWulf. Origins of Contemporary Philosophy. Mercier. History of Philosophy. Turner. History of Philosophy. Copleston. Being and some Philosophers. Gilson.

Three hours per week, two semesters.

PHYSICS

Typics 1. General Physics. Introduction to Mechanics, End, Light, Heat and Electricity.

TEXT: College Physics, Stewart, (Ginn).

Lectures: Three hours a week, two semesters.

Laboratory: Three hours a week, two semesters.

to Light, Heat and Sound. Basic Physical laws reted to Light, Heat and Sound are integrated and verified operimentally.

TEXT: Sound, Light and Heat, Duncan and Starling, (Macmillan).

Lectures: Three hours a week, two semesters.

Laboratory: Three hours a week, two semesters.

Physics 3. Electricity.

3a. Magnetism and Electricity. Direct and Alternating ments with a practical mathematical analysis.

3b. Electronics. A lecture and laboratory course in thich the basic principles and applications of thermionic mission are studied and investigated experimentally.

TEXTS: Elements of Electricity, *Timbie*, (John Wylie). An Introduction to Electronics. *Hudson*. (Macmillan).

Lectures: Three hours a week, two semesters.

Laboratory: Three hours a week, two semesters.

Physics 4. Theoretical Physics. Topics selected from potential theory, conduction of heat, diffusion, vibration, acoustics, dasticity, spectroscopy and nuclear physics.

TEXT: Introduction to Theoretical Physics. Page. (Van Nostrand)

Three hours a week, two semesters.

Physics 5. Electrical Measurements and Electron Physics. Liberation of electrons from atoms. Emissions. Ionizations. Discharges in gases. Control of free electrons. Power, audiand radio frequences.

TEXT: Ions, Electrons and Ionizing Radiations. Crowther, (Arnold) Three hours a week, two semesters.

Physics 6. Applied Electronics. A laboratory course to accompany Physics 5. Operational methods; measurements: application of electronic devices and circuits.

TEXT: Electric Measurements, Law, (McGraw-Hill) Laboratory: Three hours a week, two semesters.

Physics 7. Atomic Physics. An introduction to quantum theory and wave mechanics by way of a review of the classic experiments of atomic physics.

TEXT: Introduction to Modern Physics, Richtmeyer. (McGraw-Hill)

Three hours a week, two semesters.

Physics 8. The Physical Properties of the Atom. A labortory course to accompany Physics 7.

Text: Procedure in Experimental Physics, Strong. (Prentice-Hall)

Laboratory: Three hours a week, two semesters.

Physics 9. Physics Optics. Electromagnetic theory, interference, diffraction, polarization, spectrum analysis.

TEXT: Physical Optics, Robertson, (Van Nostrand) Two hours a week, two semesters.

Physics 10. Optical Instruments. A laboratory course accompany Physics 9. The use of glass and quartz specigraphs, lumber plates, interferometers and polarimeters, and other optical apparatus.

100

TEXT: Fundamentals of Physical Opticals, Jenkins and White. (McGraw-Hill)

Laboratory: Three hours a week, two semesters.

POLITICAL SCIENCE

The State or Body Politic as distinct from the Nation. history and determining elements. Types of States: forms Government; theories of the State, Anarchism, Socialism, Bolshevism, Fascism; the totalitarian concept rovernment in theory and practice.

The Legislature, Executive and Judiciary in modern stitutional law; bicameral and unicameral systems; the ctorate, various methods of democratic representation; ferendum and plebiscite.

Constitutions of states; the British and American Con-

International relations and international law. Treaties. The League of Nations. The Permanent Court of International Justice. The Atlantic Charter. The Yalta Agreement. The Charter of the United Nations.

TEXT: Political Science (Revised Edition). Gettell. (Ginn). Three hours a week. two semesters.

RELIGION

Religion 1. The Old Testament: its message for sacred hisbory and for the Christian. This is chiefly concerned with an intensive reading of the Old Testament. Lectures will centre on the general rules of biblical interpretation, some problems of the Old Testament, the messianic message of its books, and the master ideas of the ancient dispensation.

The Gospels and the Life of Christ: a historical study.

TEXTS: Holy Bible.

The Life of Christ, Ricciotti (Bruce)

Three hours a week, two semesters.

Religion 2. The Church in the New Testament. This course studies the organic unity of sacred history by tracing the origin of the Mystical Christ from the Historical Christ. The course examines Christ's foundation of His Church in the Gospels and then proceeds to a close study of the early growth of this church as recorded in the rest of the New Testament. The basic text is the Acts of the Apostles, the Epistles, especially St. Paul's, and even the Apocalypse. The approach the these parts of the Bible is still historical.

Christ in His Church: Faith, Gateway of the Church—Fait as a Source of Knowledge — Supernatural Faith — Propertiand Necessity of Faith — The Rule of Faith — The Object Faith — The Catholic Church: Mystical Body of Christ — The Doctrine of the Mystical Body Revealed and Explained — The Church on Earth — Membership in the Church — the Juridcal Structure of the Church—The Authority of the Church-Church and State. Eschatology: Death, Judgment, Heave and Hell.

TEXT: New Testament: Knox.

Teaching of the Catholic Church: Smith. Three hours a week, two semesters.

Religion 3. First part of dogmatic theology. In this year, the student will study faith and revealed truth, an outline of Catholic doctrine, the One and Triune God, the Fall and Redemption of man, the Redeemer, Grace.

TEXT: The Teaching of the Catholic Church, Vol. 1 Smith. (Burns, Oates) Three hours a week, two semesters.

Religion 4. The Sacraments, their institution, nature and effect. The Sacrifice of the Mass. All are related in detail with proofs and explanations from the Scriptures, tradition the teachings of the Fathers, the Councils.

TEXT: Channels of Redemption, Herzog, (Benziger). Three hours a week, two semesters.

SOCIOLOGY

Man as a Social Being; complexity of Social Life; externation and internal influences on man; the Family; present-day decadence in family life; the State; history of Occupation Society; working conditions and workers' risks; Trad-Unionism and Co-operation; organized Occupational Society International Society; the School group; Housing and Recret Dependency and Relief; the Defective; Delinquency; the problem and the Immigrant; Catholic Action.

TEXT: Fundamental Sociology, E. J. Ross, (Bruce).

References: Current Social Problems, Mihanovich. Catholic Social Principles, Cronin. Introduction to Sociology, Murray. Current Government Publications; Papal Encyclicals.

alt.

Three hours a week, two semesters.

STRENGTH OF MATERIALS

Simple Stresses; Shear; Riveted Joints; Stresses in Thin Valled Cylinders; Welds; Torsion; Shear and Moment Diamans for Beams; Stresses in Beams; Beam Deflection; comined Axial and Bending Stresses; Eccentric loads, Columns.

TEXTS: Strength of Materials, Poorman, (McGraw-Hill), Steel Construction, (American Institute of Steel Construction).

Three hours a week, one semester.

SURVEYING

Survey 1. A preliminary course dealing with the theory, djustment, use and care of surveying instruments; fundaental surveying methods: measurements of lines, angles, fferences in elevation; field practice in pacing, taping, sureying of areas, differential leveling.

TEXT: Elementary Surveying, Breed and Hosmer, (John Wylie).

Two hours a week, two semesters

Survey Camp. A three weeks surveying camp is held during the summer for all students who have completed Survey 1. The field work will include differential and profile leveling, traversing, topographical surveys, observation for meridian. This is a pre-requisite for Survey 2.

TEXT: Surveyors' Field Note Forms, Bardsley & Carlton, (International Text Book Co.) Survey 2. Lecture course in the mathematical treatment circular and parabolic curves, the computation of earthwork and the mathematical solution of astronomical problems volving the technique and field work for observation for tude, longitude, meridian and time.

TEXT: Elementary Surveying, Breed and Hosmer, (John Wylie).

Two hours a week, two semesters.

TAXATION

A study of Income Tax and its application to income individuals and corporations.

TEXT: The Income Tax Act (Federal) and the Regulations Under The Act.

One hour a week, two semesters.

THERMODYNAMICS

Energy in general; Thermal energy; Gases and Vapour Combustion of Fuels; Heat Transfer; Compression of Gase Utilization of Heat; Internal Combustion Engine; Ster Engine; Nozzles; Turbines; Condensers; Boilers; Power Plan Cycles; Refrigeration.

TEXTS: Thermodynamics, Emswiler and Schwartz, (McGraw-Hill), Thermodynamic Properties Steam, Keenan and Keyes, (John Wiley). Three hours a week, one semester.

DEGREES CONFERRED

MAY 17, 1951

DEGREE OF BACHELOR OF ARTS

Ever Edmund Blakeney	Laconia, New Hampshire
in Edward Campbell	Halifax, N.S.
Gerard Chisholm	Halifax, N. S.
liam Dishlin	Halifax, N. S.
lter John Dowd	Halifax, N. S.
The John Edwards	Eastern Passage
mes Edward Houlihan	Halifax, N. S.
wid Ignatius Jones	Rockingham, N.S.
ward Vincent MacCormack	Glace Bay, N. S.
In Laughlin MacKinnon	Halifax, N. S.
Frence Joseph Patton MacLean	Mulgrave, N. S.
mond Joseph Slaunwhite	Halifax, N. S.

DEGREE OF BACHELOR OF SCIENCE

ald Robert	Curran Da	rtmouth, N. S.
ancis Alfred	Houlihan	lifax, N. S.
best Joseph	Pittard	lifax. N. S.
mes Richard	SoyTr	uro, N.S.

DEGREE OF BACHELOR OF COMMERCE

mald Leo Callis	Armdale, N.S.
trick Thomas Crosby	. Halifax, N. S.
wrence Edward Vincent Davies	.Halifax, N. S.
lliam Patrick Hanrahan	. Halifax, N. S.
ancis Joseph Laba, B.A.	. Halifax, N. S.
bert Warren Napier	.Halifax, N. S.
beil John Robertson	. Halifax, N. S.
borge Herbert Steele	. Charlotteown, P.E.I.

Townshield and

DIPLOMAS IN ENGINEERING

mald Gerard Courtney	Halifax, N. S.
hn Edward Houghton	Atholville, N. B.
mley McPhee	Reserve Mines ,N. S.
sonard Martell	Halifax, N. S.
Schard Lucien Martell	Halifax, N. S.
hn Hugh Merritt	Halifax, N. S.
hn Joseph Napier	Halifax, N. S.
Imneth Clement Scott	Halifax, N. S.
mes Richard Soy	Truro, N. S.
Trne Williams	Dartmouth, N. S.

DIPLOMA IN JOURNALISM

Dunald Joseph Merzetti......Saint John, N. B.

MEDALS And PRIZES

MAY 17, 1951

ARTS

Highest Aggregate in Fourth Year Arts Walter J. Dowd Gold Medal donated by His Grace Archbishop McNally

Highest Aggregate in Third Year Arts Colin Campbell Highest Aggregate in Second Year Arts Thomas Smith Highest Aggregate in First Year Arts Stanislaus McFa

COMMERCE

Highest Aggregate in Fourth Year Commerce Lawrence Davies Gold Medal donated by His Excellency Bishop Leverman

Highest Aggregate in Third Year Commerce James E. Radfor Highest Aggregate in Second Year Commerce John R. MacDon Highest Aggregate in First Year Commerce John R. Miller

SCIENCE

Highest Aggregate in Fourth Year Science Gerald R. Currad

Gold Medal donated by Mr. and Mrs. J. M. Inglis in memory of their son. Delisle Inglis

ENGINEERING

Highest Aggregate in Third Year Engineering John H. Merritt Gold Medal donated by Messrs. Henry Birks & Sons

Highest Aggregate in Second Year Engineering Jonald C. Burker Highest Aggregate in First Year Engineering James A. Scrive

RELIGION

Highest Four Year AggregateJohn E. Cample Gold Medal donated by

Rt. Rev. William Burns, V.G., D.P.