

### 3. Course of Practical Chemistry and Assaying.

*Junior Year.*—Same as above (with Botany.)

*Middle Year.*—Ordinary Mathematics of Second Year in Arts; Experimental Physics; Botany, (unless taken in the Junior Year); Zoology; French or German; Practical Chemistry.

*Senior Year.*—Mathematical Physics; Experimental Physics; Geology and Mineralogy; French or German; Metallurgy; Assaying.

### OBSERVATORY.

Undergraduates taking any of the above courses may receive instructions in Meteorological observations from Mr. C. H. McLeod, Bac. App. Sc., in the College Observatory.

## § IV. EXAMINATIONS.

### COLLEGE EXAMINATIONS.

There will be a Sessional Examination at the end of each year, and also a Christmas Examination, in the same manner as provided for Undergraduates in Arts; but supplemental examinations will not be allowed to students failing in the Professional or Mathematical subjects of the Middle and Senior years, except by special permission of the Faculty of Arts.

### UNIVERSITY EXAMINATIONS.

#### 1. For the Degree of Bachelor of Applied Science.

Candidates must pass the Sessional Examinations of the Junior and Middle Years, or if admitted in the Middle year, of that year only. They must also pass a final Examination at the end of the Third Year, in all the subjects of that year, in addition to a special examination in Mathematics, in case of those who graduate in the course of Civil and Mechanical Engineering.

Graduates in Civil Engineering of this University may obtain this Degree and a Diploma in exchange for that which they at present hold, upon application to the Corporation through the Registrar, and upon payment of a fee of \$3.

#### 2. For the Degree of Master of Engineering.

Candidates must be Bachelors in Applied Science of at least three years' standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil or Mechanical Branch of Engineering.

They must pass with credit an examination which will extend over the general Theory and Practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have, during the three preceding years, been engaged.

The examination will be held once in each year, in the second week of the month of December, and will be partly *vice versa*.

Notice of the intention of a Candidate to offer himself at any examination for this degree must be sent in, together with the necessary Certificates and Fees, not less than two calendar months before each examination is to be held.

#### 3. For the Degree of Master of Applied Science.

Candidates must be Bachelors of Applied Science of at least three years' standing, must present certificates of having been employed during that time under competent guidance in some branch of Scientific Work, and must pass with credit an examination in the Theory and Practice of those Branches of Scientific Work in which they may have been engaged. The other conditions as under the last heading.

#### 4. For the Degree of B. A. with that of Bachelor of Applied Science.

Undergraduates in Arts who have passed the Intermediate examination may (if qualified under § 1,) take the Middle and Senior years of either of the courses in Practical Science along with the Third and Fourth in Arts, and may in the Third and Fourth years omit Mental and Moral Philosophy and may substitute French and German for Latin and Greek. Spanish may be taken instead of French or German.

In addition to the subjects of the Science course, they will be required to satisfy the Examiners in the following subjects; viz: Mathematics, Natural Science, Experimental Physics and Modern Languages.

Students in Arts desirous of availing themselves of these privileges are required to take a preliminary course of Linear Drawing and Projection in the second year.

Students proceeding to the double degree, will enjoy all privileges with reference to Scholarships, Exhibition Prizes and Honours, in the same manner as Students in Arts.

Such Students may by permission of the Faculty be Candidates for B. A. Honours, and may be allowed to take the Examination for B. A. in their fourth year in Arts, and to take the Examination for the degree in Practical Sciences in the following year or they may graduate in the Science course alone in the fourth year, and graduate in Arts in the following year. In the latter case they shall not compete for medals with the regular Students of the year.

Undergraduates in Arts of the third or fourth years, or Graduates of any University, entering the Department of Practical Science, may at the discretion of the Professors be exempted from such lectures in that Department as they may have previously attended as Students in Arts, but must pass all of the examinations.

The course of applied Sciences has furnished since its formation:

### BACHELORS.

In civil mechanical engineering.....	16
In mining and assaying.....	1

Graduates in civil engineering.....	16
Total.....	36

### INDUSTRIAL SCHOOLS, OR SCHOOLS OF ARTS AND SCIENCES.

In 1872, the "Board of Arts and Manufactures" was replaced by the "Council of Arts and Manufactures," of which the Commissioner of agriculture and the Minister of public instruction are members.

Since that period, the council has not been idle, but has endeavored to expend, to as much advantage as possible, the funds placed at its disposal by the legislature.

These institutions cannot be too highly recommended. Trades and manufactures are the chief occupation of the majority of our population; and if we desire our fabrics to compete with those of foreign countries, we must have schools in which our youth of the country can receive a practical education in arts and manufactures.

To the Honorable the Minister of Public Instruction of the Province of Quebec.

In submitting the second annual report of the operations of the council of arts and manufactures, we have