

#### IV. DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

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This Department is under the charge of the Professor of Applied Chemistry.

The regular course is designed to afford the necessary preliminary training to students who intend to become chemists by profession, either as analytical chemists, industrial chemists, or teachers, and also to furnish instruction in chemistry and its useful applications, to students of engineering and architecture, and to special students who may desire such instruction.

Honor graduates in Natural Science of the University of Toronto will be admitted to the examination for the Diploma after taking a course of one year in the School of Science in such of the following subjects as may be determined by the Council.

##### SUBJECTS OF THE FIRST YEAR.

###### MATHEMATICS.

Euclid, Algebra, Plane Trigonometry, Plane Analytical Geometry.

###### MECHANICS.

Statics and Dynamics.

###### EXPERIMENTAL PHYSICS.

Light: Use of the Heliostat and Spectroscope. Experiments with Lenses and Mirrors. Theory of the Microscope and Reflecting Instruments.

###### DRAWING.

Descriptive Geometry.

###### BIOLOGY.

###### MODERN LANGUAGES.

French.  
German.

###### CHEMISTRY.

Inorganic Chemistry with Laboratory work.