

THEORY OF CONSTRUCTION.

HYDRAULICS.

SANITARY SCIENCE.

House Drainage and Plumbing, Ventilation and Heating.
Experimental work in Engineering Laboratory.

MINERALOGY AND GEOLOGY.

Economic Geology.

METALLURGY.

Iron and Steel.

V. DEPARTMENT OF ANALYTICAL AND APPLIED CHEMISTRY.

This Department is designed to afford the necessary preliminary training to students who intend to become chemists by profession, either as analytical chemists or industrial chemists, 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.

I. YEAR.

MATHEMATICS.

Euclid, Algebra, Plane Trigonometry.
Plane Analytical Geometry.

MECHANICS.

Statics and Dynamics.

PHYSICS.

Magnetism and Electricity.

EXPERIMENTAL PHYSICS.

Light: Use of lenses and mirrors.
Calculation of focal lengths.
The prism and spectroscope.
Goniometer and heliostat.