

In addition to taking the course of instruction in the School and passing the requisite examinations, a candidate for the diploma in Mechanical and Electrical Engineering will be required to present satisfactory evidence of having had at least one year's good practical experience in one of the principal occupations connected with mechanical work, such as machinist, pattern-maker, moulder, steam engineer, etc. There is no restriction as to the place where the candidate may have gained such practical experience.

III. DEPARTMENT OF MINING ENGINEERING.

This Department is designed to afford the necessary preliminary training to students intending to become Mining Engineers.

I. YEAR.

MATHEMATICS.

Euclid, Algebra, Plane Trigonometry.
Analytical Plane Geometry.

MECHANICS.

Statics and Dynamics (with special reference to structures and machines).

DRAWING.

Copying from the flat. Lettering. Topography.
Original Surveys.
Graphics.
Descriptive Geometry in its application to plane sided solids.
Orthographic (including Isometric) and Oblique Projection.

SURVEYING.

Field and Office Work—Chain and Compass Surveys—Topography—Preliminary instruction in the use of the Transit-Theodolite—Plotting, Mensuration.

CHEMISTRY.

Elementary Chemistry, with Laboratory Practice.