

School of Practical Science,

PROVINCE OF ONTARIO.

The Fourth Session will begin on the 1st of October, 1881. Intending students may enter as (1) Regular or (2) Special Students.

Regular Students are those who propose taking the Three Years' Course for the Diploma of the School in (1) Engineering; (2) Chemistry; or (3) Assaying and Mining Geology. Applicants must pass an Entrance Examination at the Educational Department, similar to the "Intermediate," unless an equivalent examination has previously been passed. The Fees for Regular Students are as follows:—Thirty Dollars for the First Session; Forty Dollars for the Second; and Fifty for the Third. These are payable in two Instalments, one at the beginning of each Term.

Special Students are admitted to any of the Courses of Instruction given in the School, and may obtain certificates of standing, if they have previously passed an examination similar to that for Public School Teachers of the third-class, or have presented equivalent certificates. The fees for the different courses of Instruction will be found in the Synopsis given below.

COURSES FOR THE DIPLOMA.

(1) IN THE DEPARTMENT OF ENGINEERING.

The course in this Department is designed, not to supersede the practical work of the engineering office and works in the training of the pupil, but to satisfy a want which they do not provide for. The student's time will be chiefly occupied in obtaining a knowledge of the principles of the applied sciences, and in the application of these principles to various engineering problems, such as the calculation of the strains in bridges, roofs and other constructions; the flow of water in pipes and channels; water power; the efficiency of water wheels, steam engines and other prime movers; the transmission of power; the shapes, connections and motions of parts of machinery; pumping machinery, &c., &c. He will also have practice in designing various constructions, machines, &c., and in making specifications therefor.