

There are five regular Departments of Instruction in each of which Diplomas are granted :

1. Civil Engineering (including Mining Engineering).
2. Mechanical Engineering (including Electrical Engineering).
3. Architecture.
4. Analytical and Applied Chemistry.
5. Assaying and Mining Geology.

The instruction given in each of these departments is designed to give the student a thorough knowledge of the scientific principles underlying the practice in the several professions, and also to give him such a training as will make him immediately useful when he enters into active professional work.

The facilities possessed by the School for affording professional instruction are now being largely increased by additions to the building, equipment and teaching staff. An Engineering Laboratory is being formed which will be furnished with testing machines for testing the strength, elasticity and other qualities of materials of construction, and also with an experimental steam plant, consisting of engine, boiler, pumps, etc., for making experiments in the economical use of steam. It will be supplied with all necessary standard gauges, scales and measuring instruments. There will be in connection with it a machine shop for the purpose of preparing specimens to be tested, making repairs, etc.

In Surveying, Geodesy and Practical Astronomy all the necessary instruments will be provided. Among the additions in this department will be a carefully laid out 100 feet standard of length.

The Architectural Department will be supplied with a large number of models, casts and photographs.

The appliances and apparatus necessary for teaching the applications of Chemistry to the arts and manufactures and for doing the chemical work in connection with the regular departments of instruction will also be greatly increased.

These additions and improvements are now in progress and it is expected that many of them will be sufficiently advanced to enable a large amount of new work to be done next session.

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