

Second Professional Course :—

Engineering Mathematics III.

Strength of Materials.

Engineering Drawing I.

Applied Electricity (Mechanical, Civil and Chemical) or Electrical Engineering I (Electrical).

Theory of Structures I (Electrical and Civil) or Heat Engines I (Mechanical and Electrical) or

Theory of Workshop Practice (Chemical).

* Workshop Technology or Chemistry II (Chemical).

Surveying II (Civil).

Third Professional Course (Mechanical) :—

Heat Engines II.

Hydraulics and Pneumatics.

Theory of Workshop Practice.

Engineering Drawing and Design II.

One of the following :—

Naval Architecture and Marine Engineering.

Production Engineering and Works Management.

Engineering Applied to Arts and Manufacture.

Automotive Engineering.

Aeronautical Engineering.

Third Professional Course (Chemical) :—

Heat Engines I.

Chemistry III.

Applied Chemistry.

Elementary Economic Geology.

The Third Professional Course in Electrical and Civil Engineering is taken at Christchurch.

Fourth Professional Course B.E. Degree with Honours (Mechanical) :—

Engineering Mathematics IV.

Advanced Properties of Materials.

A thesis.

B. B.E. MINING AND METALLURGICAL

First Professional Course :—

Freehand Mechanical Drawing.

Descriptive Geometry.

Geology or Applied Mathematics.

Mineralogy.

* Preliminary Drawing.

* Preliminary Heat Engines.

Second Professional Course (Mining and Metallurgical) :—

Ore Dressing.

Applied Mechanics relating to Mining.

Heat Engines I.

Mechanical Drawing.

Applied Electricity.

Quantitative Chemical Analysis (Inorganic. Certificate only).

The Third Professional Course is taken at Dunedin.

*No degree examination, but terms must be kept.