SECOND YEAR.

First Term.

Senior Mathematics,
Senior Chemistry,
Qualititative Analysis,
Systematic Mineralogy.

Second Term.

Senior Mathematics,
Senior Chemistry,
Quantitative Analysis,
Systematic Mineralogy.

THIRD YEAR.

First Term.

Organic Chemistry,
Descrip. and Det. Mineralogy,
Geology and Petrography,
Quantitative Analysis,
Assaying,
Metallurgy,

Second Term.

General Chemistry,
Technical Chemistry,
Descrip. and Det. Mineralogy,
Geology and Petrography,
Quantitative Analysis,
Assaying,
Metallurgy,
Ore Deposits.

II.—FOUR YEARS' COURSES.

These courses are arranged so as to give the extended scientific training required for the more highly specialized fields of professional work in mining, assaying, analytical chemistry, mineralogy and geology. Courses A and B may be completed in one year after completing the corresponding three years' course. Course C affords a general education in natural science with special training in mineralogical and geological work and studies. It is intended for those who have in view the profession of consulting geologist or the work of geological surveys.

A.—MINING ENGINEERING.

The first three years of this course are the same as for the Three Years' Course. (See page 19.)

FOURTH YEAR.

First Term.

Metallurgy,
Mechanism,
Materials, Construction, and Design,
Mining Engineering,
Milling,
Mining Law.

Second Term.

Metallurgy,
Mechanism,
Materials, Construction, and Design,
Mining Engineering,
Milling,
Mining Law.

The degree of Bachelor of Science (B.Sc.,) is awarded on the completion of this course, and the production of certificates for not less than three months' work in a mine or mines. The degree of Engineer of Mines (E.M.) is awarded in addition, on the production of certificates of not less than one year's experience in actual mining. These certificates must be signed by mine managers, and must state the character of the work done by the candidate.