

COURSE IN PHYSICS AND ENGINEERING - QUEEN'S UNIVERSITY

Any student who has taken the first two years' work and has shown marked ability in Mathematics and Physics may take up the work of this course at the beginning of the third year.

First Year.

English
Mathematics (Algebra, Solid Geometry, Solid and Co-ordinate Geometry)
Astronomy
Physics (Mechanics, Electricity, Magnetism, Sound, Light, Heat.)
Projections (An elementary class in Descriptive Geometry.)
General Chemistry
Drawing
Surveying

Second Year.

Mathematics (Differential and Integral Calculus)
Astronomy (Spherical Trigonometry and Applications)
Physics (Mechanics of Rotation and Electricity and Magnetism)
Chemistry (Qualitative Analysis)
General Chemistry (Mechanics of Materials)
Kinematics of machines
Drawing
Surveying
Workshop

During the summer, between the second and third years the student is supposed to engage in work in some industrial plant approved by the Faculty.

Third Year.

Physics (Elementary Mathematical Theory of Electricity and Magnetism, Elementary Theoretical Mechanics, Thermodynamics, and a short course on Radiation, Conduction through Gases and Radioactivity)
Chemistry (Qualitative Analysis)
Metallurgy (Iron and Steel)
Electrical Engineering (Alternating Currents)
Economics
French or German.

In the summer the student is supposed to spend at least three months in a works or laboratory and, if possible, on some work connected with research.