

development in ways which cannot now be entirely foreseen.

done
Chemical Engineering. The undergraduate course should be strengthened by the appointment of an Assistant or Associate Professor of chemical engineering. Such a man should be capable of designing plant and equipment for carrying out the major unit processes involved in the chemical or near chemical industries. Graduate work in this important branch would then follow naturally.

Civil Engineering. Graduate courses are already offered in structures, hydraulics and highway engineering. That in structures is probably the best developed and has attracted more students from other Canadian Universities than any other graduate course in engineering. In order to carry students to the Doctor's degree it would be necessary to add to the staff a young man highly trained in mathematics and the theory of elasticity. We had such a man ten years ago, but he was selected for the principal chair of engineering in the University of Birmingham. To develop the course in hydraulic engineering to a point where it would attract students from other universities would require either some relief from other duties for the professor in charge, or a new appointment. Few of our graduates go into highway engineering, owing possibly to local conditions. Under present conditions I am not sure but that experience is the best graduate school ^{in this branch}, and it does not seem to me a promising field for immediate development. In order to bring the equipment of the testing laboratory up to date an expenditure of about \$15,000 would be required.