

# CERAMICS

**O**NE of the attractions of ceramic practice is the potential to transform clay by fire into useful and often beautiful objects that last for centuries and reflect the essence of the cultures in which they were made. In designing a wide range of products for manufacture, from high-tech insulators to bricks and coffee mugs, ceramic designers contribute significantly to our experience of everyday life.

Another example is the structural clay industry that manufactures bricks, roof- and floor tiles, sewer pipes and many other materials. One of the newer developments of ceramics is the manufacturing of components for electronics. Space research is another field where ceramics plays an important role.

Ceramic technologists are needed in all the abovementioned fields to do research, develop new products, act as production managers or technical advisors and develop new machinery to be used in the ceramics industry.

Ceramic technologists in research and development work with engineers and scientists to find new processing methods and develop them into practical schemes. Ceramic technologists in design and construction help with the building of new process plants and the modification of existing ones.

Ceramic technologists responsible for process operation must ensure that all the temperatures, pressures and flows are correct. They must also ensure that plants are run as economically as possible.

## RECOMMENDED SCHOOL SUBJECTS

Art and Mathematics.

## ADMISSION REQUIREMENTS

A Senior Certificate or an equivalent qualification is required. Further requirements differ from institution to institution.

## SELECTION

Selection requirements vary from institution to institution.

## TRAINING

### UNIVERSITY OF TECHNOLOGY

#### Programmes offered:

NDip: Ceramic Design

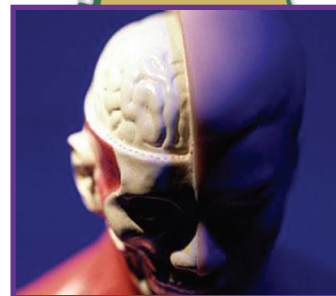
BTech: Ceramic Design

MTech: Ceramic Design

## CAREER OPPORTUNITIES

Ceramic technologists are employed by organizations and plants in the heavy clay industries (bricks, roof tiles, floor tiles etc.), cement industries, tableware, sanitary ware, advanced ceramic industries in the motor, space craft and medical industries.

The ceramic technologist is ideally equipped to function independently as entrepreneur and meeting consumer demands for ceramic products.



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