

## Post-Diploma Certificate in Microbiological and Pharmaceutical Analyses

Modules	
1	Microbiology (36 hours)
2	Pharmaceutical Microbiology (36 hours)
3	Biochemical And Pharmaceutical Analyses (36 hours)

The PDC in Microbiological and Pharmaceutical Analyses will focus on microbiological, analytical and biochemical techniques that are important in quality control and analysis in pharmaceutical and biopharmaceutical manufacturing. PDC-MPA will cover essential techniques and knowledge required by persons employed or seeking employment in the pharmaceutical, biopharmaceutical and medical technology industries.

### Topics covered under this PDC include:

- Microbiological principles and practice including microscopic techniques, aseptic techniques, methods of microbial culture and maintenance, bacterial identification
- Objectionable microorganisms
- Contamination analyses and control
- Cleanroom assessment and auditing
- Environmental monitoring
- Sterilization practices and sterility testing
- Quantitative drug analysis
- Chromatographic methods
- Spectrophotometric methods

This PDC is a practice-based qualification with laboratory work being a major component of the curriculum.

### The PDC-MPA is suitable for:

- Persons employed in biopharmaceuticals who wish to expand their job scope
- Persons seeking employment in the biopharmaceutical industry
- Technologists working in other fields who wish to upgrade their skills to gain employment in areas related to microbiology and chemical & biochemical analyses.

The curriculum will cover both basic and advanced topics and is suitable for persons with no prior knowledge of biological science. Engineers, chemists, production technologists and IT professionals will find this course useful should they wish to transit into new areas of employment.