

Medical Technology Training in Diagnostic Laboratory

1. Course Description

1.1 Introduction

Medical Technology is a challenging and rewarding field, one that requires its practitioners to be motivated, highly skilled and dedicated. Medical Technologists are vital members of the health care team. They must work accurately and quickly to detect the changes in biologic specimens that determine the absence, presence, extent and cause of disease. They study the immune system and how it reacts to various organisms such as bacteria, parasites, viruses, fungi, the body chemistry, the hematological system, and many other subjects. Today's medical technologist not only examines specimens but is also called upon to operate complex and expensive electronic equipment, computers and precision instruments.

1.2 Application

Careers in medical technology fields are varied. Hospital clinical laboratories employ many technologists. Other career opportunities exist for technologists in physicians' office labs, clinics, commercial reference laboratories, food processing plants, research facilities, public health centers, veterinary labs, higher education, industrial labs and laboratories in Armed Forces. Individual trained as medical technologist can enter pharmaceutical and medical equipment sales and marketing. Many medical technologists pursue opportunities in health care administration, health law, medicine, dentistry, public policy development, and medical insurance companies.

There is a global shortage of trained and skilled manpower in the field of Medical Technology.

2 Proposed Program

2.1 Contents of Training

- Introduction to Medical Technology
- Automation in Medical Technology
- Quality Controls in Clinical Testing
- Laboratory Tests in Clinical Chemistry
- Laboratory Tests in Hematology
- Laboratory Tests in Blood Bank
- Laboratory Tests in Microbiology
- Parasitology
- Urinalysis
- Phlebotomy
- Medical Receptionist



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2.2 **Eligibility Criteria**

It is recommended that participants of the training course should have either B.Sc. degree in biological sciences or relevant field.

2.3 **Examination**

After the completion of training a verbal/written test will be given.

2.4 **Certificate**

Certificates will be issued upon the course completion

Literature, and study material will be provided

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