



**BAKHTAWAR AMIN**  
College of Allied Health Sciences



**B.Sc (4 Year Programs)**

**What difference could you make  
as an Allied Health Professional?**

at Bakhtawar Amin College of Allied Health Sciences



# What can a career in Dental Hygiene offer you



- Service to Others
- Future Opportunities
- Variety & Responsibility

## What Does a Dental Hygienist do?

- ◆ Performs patient screening procedures.
- ◆ Teaches patients how to practice good oral hygiene.
- ◆ Applies preventive materials such as fluorides and sealants to the teeth.
- ◆ Counsels patients regarding good nutrition and its impact on oral health.
- ◆ Removes calculus and plaque (hard and soft deposits) from the teeth.



## Where do Dental Hygienists work?

- ◆ Hygienists are primary healthcare professionals who work independently of or alongside dentists and other dental professionals to provide full oral health care. They have the training and education that focus on and specialize in the prevention and treatment of many oral diseases.
- ◆ Dental offices of general dentists and dental specialists
- ◆ Public health agencies, hospitals and community health clinics
- ◆ Public school system, dental school and dental hygiene education programs

## What Training is needed?

- ◆ Training program takes at least four years to complete with graduates receiving BSC (HONS) in "Dental Hygiene" degrees.
- ◆ Accredited dental hygiene education programs by university of Health Sciences (4 Years)
- ◆ Other innovative training methods include (theory and practical application of teaching and learning) course work combined with community experience & Clinical Training.
- ◆ Hospital practicals, real time training programs at (Bakhtawar Amin Dental Hospital)

## What are Future Opportunities?

- ◆ Projected to be one of the 30 fastest growing occupations.
- ◆ Flexible work schedules are often available in this high Demand field, both in private and public Sector (Government Health Departments & Esthetic Dentistry Clinics)
- ◆ Dental hygiene offers excellent career opportunities for individuals who wish to work overseas
- ◆ Hospital practicals, real time training programs at (Bakhtawar Amin Dental Hospital)
- ◆ An increased demand for restorative and cosmetic dentistry
- ◆ Esthetic Clinics (Cosmetic Companies)

# What can a career in Dental Hygiene offer you



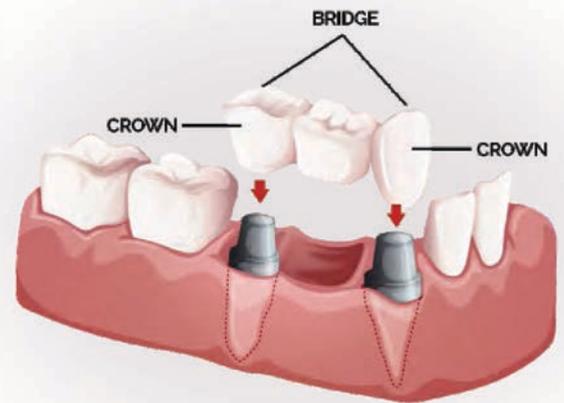
- Service to Others
- Future Opportunities
- Variety & Responsibility

## What does a Dental Technologist do?

- ◆ To make beautiful dentures using knowledge and skills.
- ◆ Creates replacements for natural teeth.
- ◆ Uses artistic talent and “high tech” methods in creating customized, hand-crafted dental restorations made from gold, chrome, alloys and ceramics.
- ◆ Provides a valued health care service by working with a dentist to improve a patient’s health and appearance.
- ◆ Role in maxillofacial surgeries (artistic work).

## Where do Dental Technologist work?

- ◆ Commercial dental laboratories
- ◆ Laboratory owners/operators
- ◆ Dental offices, dental schools, hospitals, military facilities
- ◆ Dental manufacturers and suppliers



## What Training is needed?

- ◆ Training program takes at least four years to complete with graduates receiving “BSC (HONS) Dental Technology” Degree
- ◆ Accredited Dental Technology education programs by university of health sciences (4 Years)
- ◆ Other innovative training methods include craftsmanship & institutional based didactic (theory and practical application of teaching and learning) course work combined with community experience & Clinical Training
- ◆ Hospital practical, real time training programs at (Bakhtawar Amin Dental Hospital)

## What are future opportunities?

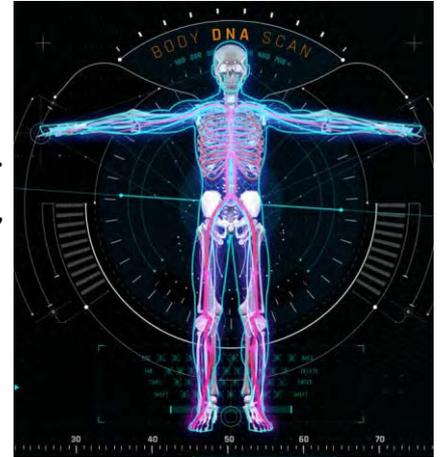
- ◆ Currently there is a great demand for dental laboratory technicians, especially in dental school, hospitals and companies that manufacture dental prosthetic materials.
- ◆ Owning your own business (laboratory owner) is often an option, private dental offices for technicians who like close one-on-one contact with a dentist.
- ◆ Earning potential depends on demonstrated skill, specific responsibilities, geographic location and other factors.
- ◆ Esthetic clinic (Cosmetic Companies)
- ◆ Dental laboratory technology education program offer some teaching positions for experienced dental technologist.

# What can a career in Medical imaging Technology offer you?

- Flexible Career Options
- Exciting New Technologies
- Service to Others
- Future Opportunities
- Variety & Responsibility

## What does an “Radiographer” do?

- ◆ They’re also call radiologic technologists, radiology technicians, or Rts. They use medical equipment to make images of the inside of your body.
- ◆ X-Ray, CT Scan, MRI, Bone Densitometry, Nuclear Medicine, Fluoroscopy, Angiography.
- ◆ Beyond creating medical images, some radiographers give radiation therapy for cancer. Others specialize in figuring out the right dose of radiation to give for the treatment.



## What do “Radiographer” work?

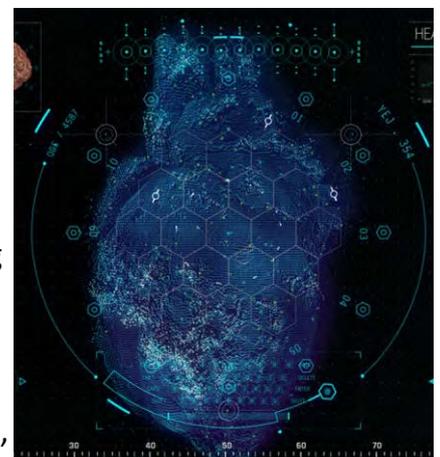
- ◆ They work with a doctor call a radiologist.
- ◆ In a hospital or private clinic, but could be based anywhere form accident and emergency rooms dealing with traumas, to cancer treatment wards, Government, Research Labs, Military.
- ◆ Breast Imaging Center, sales & service of radiology equipment industry, out-patient radiology center, Forensic Lab.

## What Training is needed?

- ◆ Training Program takes at least four years to complete with graduates receiving “BSC (HONS) in “medical imaging Technology”.
- ◆ Accredited “Medical Imaging Technology” education program by University of Health Sciences (4 Years).
- ◆ Training methods includes, course work combined with clinical training & Community experience.
- ◆ Clinical practical, at “Bakhtawar Amin Trust Teaching Hospital”.
- ◆ Opportunity to be trained on the Most cutting edge equipment.

## What are future opportunities?

- ◆ According to the Bureau of Labor Statistics, radiography is a fast growing job market with 21% Project increases from 2012 to 2022. Additionally, the BLS reports that the median salary for radiologic and MRI technologists is \$55,910, to \$77,910 a year.
- ◆ Earning potential depends on demonstrated skills, specific responsibilities, geographic location and other factors.
- ◆ “Finish machined components castings” industry.
- ◆ While many radiologic technicians work in medicine, some work with scientists or engineers to use radiography to examine fossil bones, or examine a product for design flaws.



# What can a career in Medical Laboratory Technology offer you?

- Flexible Career options
- High Demand Personal Fulfillment
- Creativity
- Exciting New Technologies
- Service to others
- Future Opportunities

## What does a Medical Laboratory Technologist do?

- ◆ An important part of the health care professional team
- ◆ Provide accurate and timely laboratory test result to physicians to help make critical medical decisions.
- ◆ Working behind closed doors, with little interaction with the patients they serve, however their role in patient care is vital to the entire health care system.
- ◆ Laboratory tests provide a wealth of knowledge to physicians and required for the diagnosis and treatment of the thousands of health issues that affect world everyday.



## Where do Medical Laboratory Technologist work?

- ◆ Commercial / Private Medical laboratories
- ◆ As medical laboratory owners / operators
- ◆ Hospitals, Community Health Clinics, Public Health Facilities, University Research Labs, Biotechnology Companies specialty Labs, e.g. in Vitro fertilization labs, teaching and training.

## What Training is needed?

- ◆ Training program takes at least four years to complete with graduates receiving BSC (HONS) in “Medical Laboratory Technology” degree.
- ◆ Accredited “Medical laboratory Technology” education Program by university of health Sciences (4 years)
- ◆ Other innovative training methods include (theory and practical application of teaching and learning) course work combined with community experience & clinical training.
- ◆ Clinical practical, at Bakhtawar Amin Trust Teaching Hospital.

## What are Future Opportunities?

- ◆ Currently there is a huge demand for medical laboratory professional around the world.
- ◆ Enjoy professional-level Salary.
- ◆ Earning potential, depends on demonstrated skill, specific responsibilities, geographic location and other factors.
- ◆ Involved in research and contribute to the worldwide advancement of medical and scientific knowledge.
- ◆ MLTs specialize in several areas: Clinical Chemistry, Clinical Microbiology, Hematology, Histology Transfusion Science.



# What can a career in **Operation Theater Technology** offer you?

- Flexible Career options
- Exciting New Technologies
- Service to Other
- Variety and Responsibility
- Future Opportunities

## What does an “**Operation Theater Technologist**” do?

- ◆ Assist in preparing operating rooms Surgery
- ◆ Setup, Check, connect and adjust surgical equipment (sterile)
- ◆ Advice to Transport patients to and from the theater and wards
- ◆ Provide technical assistance to surgeons, surgical nurses and anaesthetists.
- ◆ Make Sure, Clean and restock the operating room, arranging instruments, Supplies and equipment according to instruction.
- ◆ Position patients for surgical and anaesthetic treatments.
- ◆ Make sure, Cleaning up the operating room after surgery.
- ◆ Keeping a record of all the instrument & Equipments.



## Where do “**Operation Theater Technologist**” work?

- ◆ Operating theater technologist usually work closely within a team in a restricted physical environment.
- ◆ In a hospital or private clinic, but could be based anywhere from accident and emergency (Operation Theaters).
- ◆ Sets up, Checks and maintains operating theaters, anaesthetic workstations, life support machines and associated equipment.

## What **Training** is needed?

- ◆ Training program takes at least four year to complete with graduates receiving “BSC (HONS) in “Operation Theater Technology”.
- ◆ Accredited “Operation Theater Technology” education programs by University of Health Sciences (4 year).
- ◆ OT Technology courses mentioned above trains students in aspects like surgical procedures, surgical instruments, anaesthesia equipment & does, patient monitoring and OT Ethics.
- ◆ Clinical practical, at Bakhtawar Amin Trust Teaching Hospital”



## What are **Future Opportunities**?

- ◆ The average operating room Technologist salary in North America is \$57, 457 per year or \$29.47 per hour. Entry level positions start at \$50,655 per year while most experienced workers make up to \$70,863 per year.
- ◆ Earning potential depends on demonstrated skills, specific responsibilities, geographic location and other factors.
- ◆ Operating theater technologists work in hospital or healthcare settings. some work in day surgeries, endoscopy clinics and eye surgeries. with experience and further training, operating theater technologists may progress to higher graded roles.

# What can a career in Optometry & Orthoptics offer you?

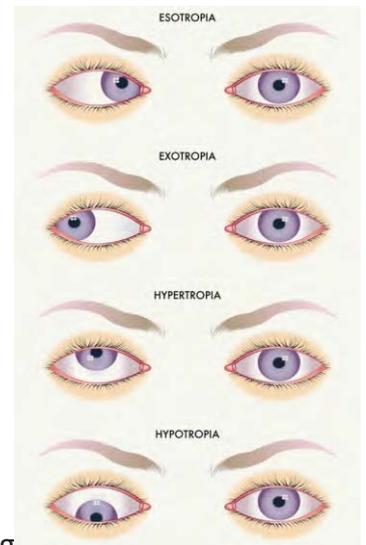
- Flexible Career options
- Variety and Responsibility
- Future Opportunities
- High Demand personal Fulfillment
- Exciting new Technologies

## What does an Optometrists & Orthoptist do?

- ◆ Optometrists & Orthoptists Optometrists are medical professionals who focus on vision care and fitting for glasses and contact lenses.
- ◆ Perform eye exams.
- ◆ Treat conditions like nearsightedness, farsightedness, and astigmatism, prescribe and fit eyeglasses and contact lenses.
- ◆ Help with pre-or post-operative care for people who need surgery, provide low-vision aids. Diagnose eye conditions like glaucoma, cataracts, macular degeneration, diabetic retinopathy, and conjunctivitis.
- ◆ Optometrists and ophthalmologists may work together to take care of you.

## Where do Optometrists & Orthoptist work?

- ◆ Orthoptists generally work in specialist eye clinics and public hospitals, where they work with ophthalmic surgeons to monitor eye disease and provide treatment. They also provide rehabilitation service to clients in low vision agencies and may work in orthoptic private practice.



## What Training is needed?

- ◆ Training program takes at least four years to complete with graduates receiving “BSC (HONS) in “optometry & Orthoptics”.
- ◆ Accredited “Optometry & Orthoptics” education program by university of health sciences (4 years).
- ◆ Training methods includes, coursework combined with clinical Trainings & community experience.
- ◆ Clinical practical, at “Bakhtawar Amin Trust Teaching Hospital”

## What are Future Opportunities?

- ◆ Currently there is a strong demand for, Optometrists & Orthoptist, in Overseas workforce with Graduated gaining employments in Hospitals, private practice, low vision agencies, universities, eye research centers and more.
- ◆ Owning your own business is often an option.
- ◆ Earning potential depends on demonstrated skill, specific responsibilities, geographic location and other factors.
- ◆ Esthetic clinic (Cosmetic Companies)
- ◆ Ophthalmic industry

