

Online Diploma program In Anesthesia Technician



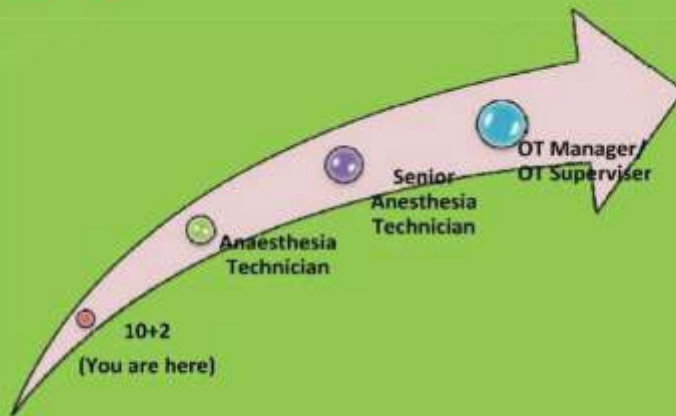
For Registration Call
8800893636
0124-4546200

ASTRON INSTITUTE OF INTERNATIONAL STUDIES

Corporate Office :
Surya Kiran Complex, Old Mehrauli Gurgaon
Road, Gurgaon, Haryana (INDIA)-122001
Website : www.astron.international



Career Path



Benefits to the Individual

- Enhanced skills and capabilities as Anaesthesia Technician.
- Leadership capabilities to supervise and lead the operation theatre technician.
- Sound technical knowledge and skills to handle complex OT equipment.

Benefits to the Organization

- Skilled human resource to better manage surgical patients during anaesthesia.
- Health workforce with technical knowledge and aptitude of handling sophisticated equipment.
- Trained Technical support to surgeons, anaesthetists and nurses

About AIIS

Astron Institute of International Studies (AIIS), an academic vertical of Astron Group, Gurgaon, is focused on the intensively growing and continually developing fields of public and community health with emphasis on the underserved section of society at large. It envisions promoting excellence in Healthcare, Research, Education, Training, Skill Enhancement and Consultancy Services. According to National Health Policy 2015 there is a need for planned expansion of allied technical skills including medical and paramedical workforce. AIIS, with its Vision and Mission to contribute to the fulfilment of that goal, works towards development of healthcare workforce with specialised skills and knowledge.

Program Overview

Diploma program in Anaesthesia Technology has been designed to bridge the gap in anaesthesia practices and develop technicians skilled in critical anaesthesia judgement. Their role is to monitor patient status, prepare medication and check blood lines.

Who is an Anaesthesia Technician?

An Anaesthesia Technician is a trained paramedical professional who assists anaesthesiologists in facilitating anaesthesia to a patient. They are a vital member of anaesthesia care team in the emergency, operating or delivery room. They are an expert in acquisition, preparation and application of medical equipment and instruments as needed during anaesthesia care. Apart from anaesthesia, a technician also specializes in basics of pharmacology, medical ethics, surgical procedures and transportation of the patients in OT. They are skilled to respond to all types of patient situations, interpret data from medical equipment, equipment and determine correct dosages of anaesthetic management of drugs.

Objectives

- To learn and understand how anaesthesia equipment is used to provide care of the surgical patients.
- To understand the concept of balanced anaesthesia and its advantages.
- To understand the functioning, monitoring, maintenance and safety aspects of anaesthesia equipment and clinical practice.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science .

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIS)



Contents

- Anatomy & physiology
- Introduction to anaesthesia
- Operation theatre
- Introduction to equipment & devices
- Anaesthesia machine
- Common procedures in anaesthesia practice
- Methods of drug administration
- Setting up of intravenous drips & infusion pumps
- Post operative complications
- Intensive care unit

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



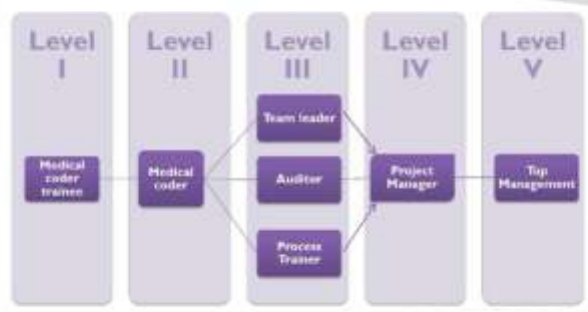
Evaluation and Grading

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Medical Coding Career Ladder



ONLINE CERTIFICATE IN MEDICAL CODING

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Benefits to the Individual

- Medical coding and billing is one of the fastest growing healthcare professions in the country and is an excellent opportunity for anyone who wants a stable, well-paying career.
- Position yourself to move into a respected, potentially lucrative medical coder role
- Enhanced capacity to lead and supervise teams.
- Work from Home

Benefits to the Organisation

- Organisation growth
- Efficient human resource management
- Work efficiently and effectively
- Improved quality of service provider



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Program Overview

Medical coding is the transformation of healthcare diagnosis, procedures, medical services, and equipment into universal medical alphanumeric codes. The diagnoses and procedure codes are taken from medical record documentation, such as transcription of physician's notes, laboratory and radiologic results, etc. Medical coding professionals help ensure the codes are applied correctly during the medical billing process which includes abstracting the information from documentation, assigning the appropriate codes and creating a claim to be paid by insurance carriers.

Who is a Medical Coding Technician

Medical coding is the process of assigning standardized numerical codes to patient health care charts. This coded information is used to ensure that insurance companies, government organizations, such as Medicare, and patients alike all receive accurate billing statements for health services performed. Medical coders perform the work of converting diagnostic and procedural information into simplified numerical codes that can be electronically processed for payment by third party payers – Insurance companies and Medicare

Objectives

1. Organized individual with problem-solving and technical skills looking to secure a position as a Medical Coding Specialist
2. Seeking employment as a Medical Coding Specialist to display exceptional communication, organizational and technical skills.
3. Motivated, hard-working individual with five years of experience in medical coding searching for a Medical Coding Specialist position.
4. Looking for a Medical Coding Specialist position for an individual with two years of experience and excellent problem-solving and communication skills.
5. Searching for an entry level Medical Coding Specialist position that will utilize technical, organizational and communication skills.

Eligibility Criteria

- * Minimum eligibility is 10 + 2 from Central or State board with Science Stream

Program Duration

Duration	Certification
6 Month (3 month online classes + 3 month Hospital Training)	* Astron Institute of International Studies (AIIS)

Contents

- * Introduction To Medical Coding
- * Introduction To Medical Terminology
- * Medical Terminology: Dividing And Combining Terms
- * Medical Terminology: Abbreviations, Symbols And Special Terms
- * Documenting Medical Records
- * Medical Ethics
- * Diagnostic Coding
- * International Classification Of Diseases And Related Health Problems – Medical Coding
- * Structure Of ICD-10, Volume 1 To 3 And Basic Coding Guidelines & Practical Exercises Use Of ICD-10
- * ICD-10-Cm Diagnosis Coding: Guidelines And Rules

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Online Certification Course in **Medical Law & Bio-ethics**



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Doctors

- Better understanding of medico-legal cases
- Help in preventing & tackling litigations

Lawyers

- Advising hospitals – maintain proper documentation, drafting contracts and MoU
- Help in preventing & tackling litigations

Management Boards of Hospitals

- Help in understanding of medical laws
- Improving outcomes
- Reducing litigations

Managers

- Help in understanding of medical laws
- Help in preventing & tackling litigations

Munshis / Legal Assistants

- Better assistant lawyers
- May graduate to be a lawyer

General Public (litigants / complainants)

- Help in understanding of medical laws
- Help in fighting their cases

**Growth
Potential**
(Certificate
course in
Medical Laws &
Bio-ethics)

Course Overview

Medical laws & Bioethics is a fascinating field of study in the 21st century as advances in medical research and new technology shift the boundaries of medicine.

New health issues are emerging and patients are increasingly becoming aware of their rights. Legal issues are increasingly taking centre stage. New and complex medico-legal dilemmas are arising in clinical practice, in the realities of human health, and in the relationship between patients and health care professionals.

The certificate course in Medical Laws and Ethics at AIIS is positioned at the constantly changing interface between medicine and law.

Learning Objective

- To understand the fundamentals of medical laws & ethics related to medical practice
- To be able to create processes, procedure and SOPs for the organization to prevent complications related to legal provisions & ethical standards in medical practice
- To be able to anticipate & pre-empt legal issues at an early stage to initiate effective damage control measures
- To be able to respond to the complaints / grievances at the organization level or in the redressal for a under various laws
- To be able to prudently track the legal proceeding and effectively assist the representing advocate in getting an acceptable decision.

Eligibility Criteria

- Medical Doctor
- Medical & Nursing Teachers
- Paramedical employees
- Law professionals

Course Duration

- 3 Months online course

Certification

Successful candidates will be awarded a certificate by Astron Institute of International Studies

Course Content

Term-1

- General concepts in Medical Laws & Bioethics (GC-MLB)
- Legal defences available to medical practitioners (LD)
- Ethical standards in medical practice (ES-MP)

Term-2

- Medical Laws & the Hospital Administrator (MLHA)
- Consumer Protection Act 1986(CPA)
- Handling Medical Litigations(ML)

Term-3

- MLC & the medical Practitioner (MLC)
- Landmark Judgments on Medical Negligence (LMJ)

Course Highlights

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- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Course Material:Each student will be provided with the following:

- Soft copy of course content
- Student Handbook, Logbook
- Online & Offline learner support
- webinars and live lectures (optional)

Evaluation and Grading

- ♦ Term end Assessment
- ♦ Webinar
- ♦ Project Work
- ♦ Log Bok



Value Proposition for the Organization:

- Awareness of the laws & ethics related to healthcare
- Better compliance of regulations
- Better ethical conduct of employees
- Empowered to deal with medico legal situations

Growth potential for the learner

- Executive in the legal department of hospitals
- Assistant of Advocates dealing with medical issues

Benefits to the Individual

- Academic excellence and enhanced skills in the field of medical laboratory.
- Leadership capabilities to supervise and lead laboratory team.
- Develop ability to practice Quality Assurance in laboratory services.
- Sound technical knowledge and skill to handle sophisticated laboratory equipment.

Benefits to the Organization

- Skilled human resource to better manage the functions of a Medical Laboratory.
- Technical support to Laboratory Managers.
- Better understanding of user needs and organisational priorities.

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Online Diploma Program in Medical Laboratory Technician



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Program Overview

To meet the burgeoning shortage of qualified and well trained Medical Laboratory technicians in India, AIIS has conceptualized Diploma programs in Medical Laboratory Technology. Diploma program is 12 Months Online program that prepares individuals to perform complex investigations for diagnosis, treatment and prevention of diseases. The program has a blended approach encompassing both theory and clinical aspects and offers live Webinar sessions, on-the-job training and internship. The program has been structured to provide progressive group learning among the students enrolled through case studies, assignments, presentations and group work.

Who is a Medical Laboratory Technician?

Medical Laboratory Technician is an allied healthcare professional who is concerned with the diagnosis, treatment and prevention of disease through the use of laboratory tests. The Medical Laboratory Technician is a vital component of the laboratory set up and assists the microbiologist and pathologist in streamlining operations of the laboratory functions. Medical Laboratory Technicians handle tissue and fluid samples, analyses them to generate data used by doctors or researchers for a variety of purposes.

Aim

To provide premiere education and training through blended learning in the area of Medical Laboratory Technology.

Objectives

- To provide essential knowledge and skills in all aspects of laboratory technology.
- To understand the functioning, maintenance, monitoring and safety aspects of laboratory equipment.
- To enable individuals demonstrate a high level of technical proficiency and problem solving ability in laboratory working.
- To acquire advanced interpersonal and communication skills.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science

Program Duration

Duration	Certificate
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIS)

Contents

- Medical Terminology
- Basic Laboratory Procedures
- Haematology
- Serology
- Microbiology
- Clinical Pathology
- Cellular Biotechnology
- Phlebotomy
- Computer Applications in the Laboratory

Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar , participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

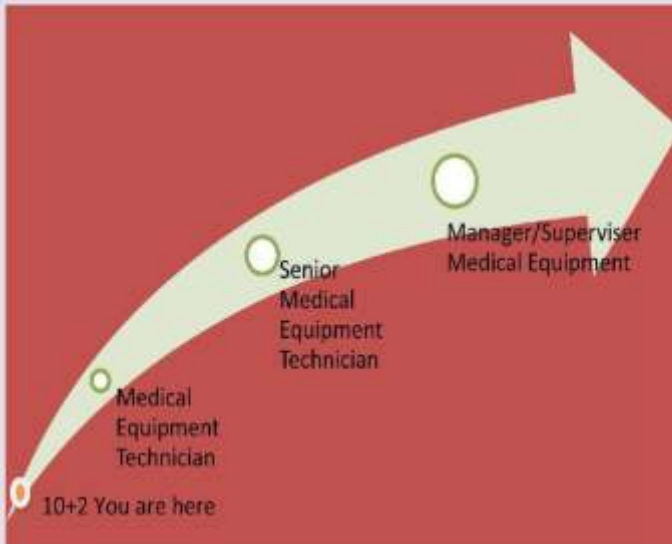
Career Path



Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Benefits to the Individual

- ◆ Academic excellence and enhanced skills in Medical Equipment Technician
- ◆ Sound technical knowledge and skills to handle sophisticated medical equipment

Benefits to the Organisation

- ◆ Skilled human resource to better manage sophisticated and high tech medical equipment.
- ◆ Technical support to health care professionals within the facility set up
- ◆ Better understanding of user needs and organisational priorities.

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AIIS/MED-EQP T/BRO/021



Online Certificate Program in Medical Equipment Technician



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Program Overview

A modern hospital or clinic is equipped with high-tech equipment designed to support patient's vital systems or provide physicians with diagnostic imaging. Certificate Program in Medical Equipment Technology has been conceptualized to develop skills related to installing, maintaining, calibrating, upgrading and repairing this high-tech equipment. The program has been designed to develop necessary scientific and electronic knowledge and also provide hands-on lab experience in maintaining and repairing medical equipment in a healthcare setting. Certificate Program in Medical Equipment Technology is 3 Months online program that prepares individuals for safety, maintenance and care of medical equipment

Who is a Medical Equipment Technician?

A Biomedical equipment technician is an important element of the maintenance team in a hospital. They contribute enormously for successful patient outcomes in patient healthcare by inspecting, repairing and calibrating the medical equipment. They assist the Biomedical engineers in ensuring that all Biomedical equipment are always operational, thus enhancing the efficiency of a hospital.

Aim

To provide premiere education and training through blended learning in the Medical Equipment Technology.

Objectives

- ◆ To provide essential scientific and electronic knowledge related to medical equipment.
- ◆ To understand the usage of equipment in providing patient care.
- ◆ To understand the functioning, maintenance, monitoring and safety aspects of the medical equipment.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science Stream

Program Duration

Duration	Certificate
6 Months (3 months online Classes + 3 months Hospital training)	• Astron Institute of International Studies (AIIS)



Contents

- ◆ Biomedical instrumentation
- ◆ Electronic circuits & devices
- ◆ medical imaging
- ◆ Medical informatics
- ◆ Biomedical ethics and laws
- ◆ Organization of hospital services
- ◆ Patient safety and special equipments
- ◆ Infection control
- ◆ Biomedical waste management

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Career Path



Value Proposition for the Candidate

- Better Planning, Coordination and Implementation of medical and health services.
- Position yourself to move into a respected, potentially lucrative Infection Control Nursing role.
- Extensive knowledge on patient care and enhanced leadership and management skills.
- Enhanced capacity to lead and supervise teams.
- Improve overall efficiency and financial effectiveness.

Value Proposition for Organization

- Better management of nursing services
- Efficient Human Resource Management
- Strategic planning and implementation of nursing services
- Better management of organisation's quality initiatives
- Improved record maintenance, documentation of nursing services.

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Online Certificate
Course
In
Infection Control
Nurse

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Course Overview

Certificate course in Infection Control Nurse offers a unique title in the field of healthcare i.e. infection control. This certification course has been specially tailored for skill building of a nurse on initial assessment of hospital associated infection (HAI) or nosocomial infection occurring in the hospital, measuring and evaluating quality indicators related to infection control practices, actively contributing towards prevention of infections, reduction of incidence in critical areas and executing quality assurance practices with in the healthcare setting.

Course Duration

- 4 Months (3 months online classes +
- 1 month hospital training)

Eligibility Criteria

- GNM
- B.Sc. Nursing
- Basic Knowledge of Computers

Learning Objectives

- To enhance managerial and technical skills in the field of Infection Control.
- To develop critical thinkers who creatively engage in nursing processes to improve healthcare outcomes.
- To develop caring and culturally responsive communication and interpersonal skill.
- To develop capabilities for effectively leading interdisciplinary healthcare teams.
- To understand nursing ethics and by laws.
- To develop effective collaborators to effectively contribute to disease prevention, quality, safety and equality.

Course Content

The course content has been grouped in the following three terms of one month each:

Term-1

- Epidemiology of Infection
- Routine Practices & Standard Precautions

Term-2:

- Nosocomial Infections / Healthcare Associated Infection - Prevention & Control
- Infection Control - Investigation & Surveillance

Term-3

- Employee & Occupational Health
- Material Safety Datasheet (MSDS)
- Spill Management
- Organization of Infection Control Team in Hospital
- Outcome of Program on Hospital Infection Control

Certification

Successful candidates will be awarded a certificate by the Astron Institute of International Studies

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar , participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.





Online Certificate Course in Home Health Aide

**For Registration Call
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A Promise Career Graph:

ESCALATING PATH TO SUCCESS

You are here

(10+2) +3 Months GCE Course

Hospital - GDAs & Ward Boys
NGO - Field & Social Workers

(10+2) +6 Months GCE Course/
experience based promotion

Hospital- Home based care Attendant
NGO - Assistant project Coordinator

Graduate+1Year GCE Training/
experience based promotion

Hospital - Geriatric Counsellor
NGO - project Coordinator

Hospital - Geriatric Care Coordinator,
Geriatric Care Assistant to Geriatric Medical Specialist

CARING FOR THOSE WHO CARED FOR YOU

Course Overview:

Home Health Aide (HHA) has been designed to enrich Knowledge and skill of different stakeholders including Medical and non-medical personnel who are either engaged or planning to build their careers as Geriatric Physicians, Old Age Mentors and Care Providers.

This Certificate course has been specially tailored for skill enhancement of personnel providing geriatric care namely doctors, medical social workers, nurses and for personnel option to take up career in the area of health care of elderly in both institutional and non- institutional setting.

Learning Objective:

To enhance technical skill / work efficiency in the following core areas of geriatric care management:

- Changing structure of family and society and its impact in the life of senior citizen.
- Profile of health problems-physical, social and emotional among elderly.
- Special effects of disease and body response of elderly disease and treatments.
- Developing Essential skills for providing quality care to elderly.
- Developing skills about preservation and promotion of good health of elderly.
- Self-care.

Eligibility Criteria:

- 10th Pass / 10+2
- Basic knowledge of computer

Course Duration:

3 Months online course

Course Content:

Term 1

- Demography and Social Aspects of Ageing
- National Initiatives
- Counselling of Stakeholders

Term 2

- Care as related to Anatomy and Physiology
- Nursing Care of Elderly

Term 3

- Care of Elderly by the Family
- Disease and Body Responses of the Elderly

Course Highlight:

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Certification

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Evaluation and Grading:

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Who can join?

- Medical Social Worker
- Nursing Professionals
- Para Medical Workers
- Counsellors
- Frontline Healthcare Workers
- Professionals pursuing alternate system of medicine
- Any person taking care of the elderly

Value Proposition for the Candidate:

- Better prepared and better equipped to diagnose and treat elderly patients
- Improved capabilities to take care of the needs of the elderly
- Value addition to the professional profile
- Better chances of promotions/appraisals

Value Proposition for the Organization:

- Awareness of the needs, requirements and limitations of the elderly will improve their satisfaction levels
- Better communication between the hospital staff and the elderly/relatives will improve compliance
- Better understanding of the special effects of disease and body responses of the elderly to their disease and treatment will Improve outcomes
- Smooth coordination between different categories of care givers

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Value Proposition for the Candidate:

- Better prepared and equipped to diagnose and treat elderly patients
- Improved efficiency in delivery of need based care of the elderly
- Value addition to the professional profile
- Better chances of career progress promotions

Value Proposition for the Organization:

- Well trained workforce with specialised care to geriatric patients
- Better outcomes and higher level of satisfaction of care among the patients and their families.

Certification

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Evaluation and Grading

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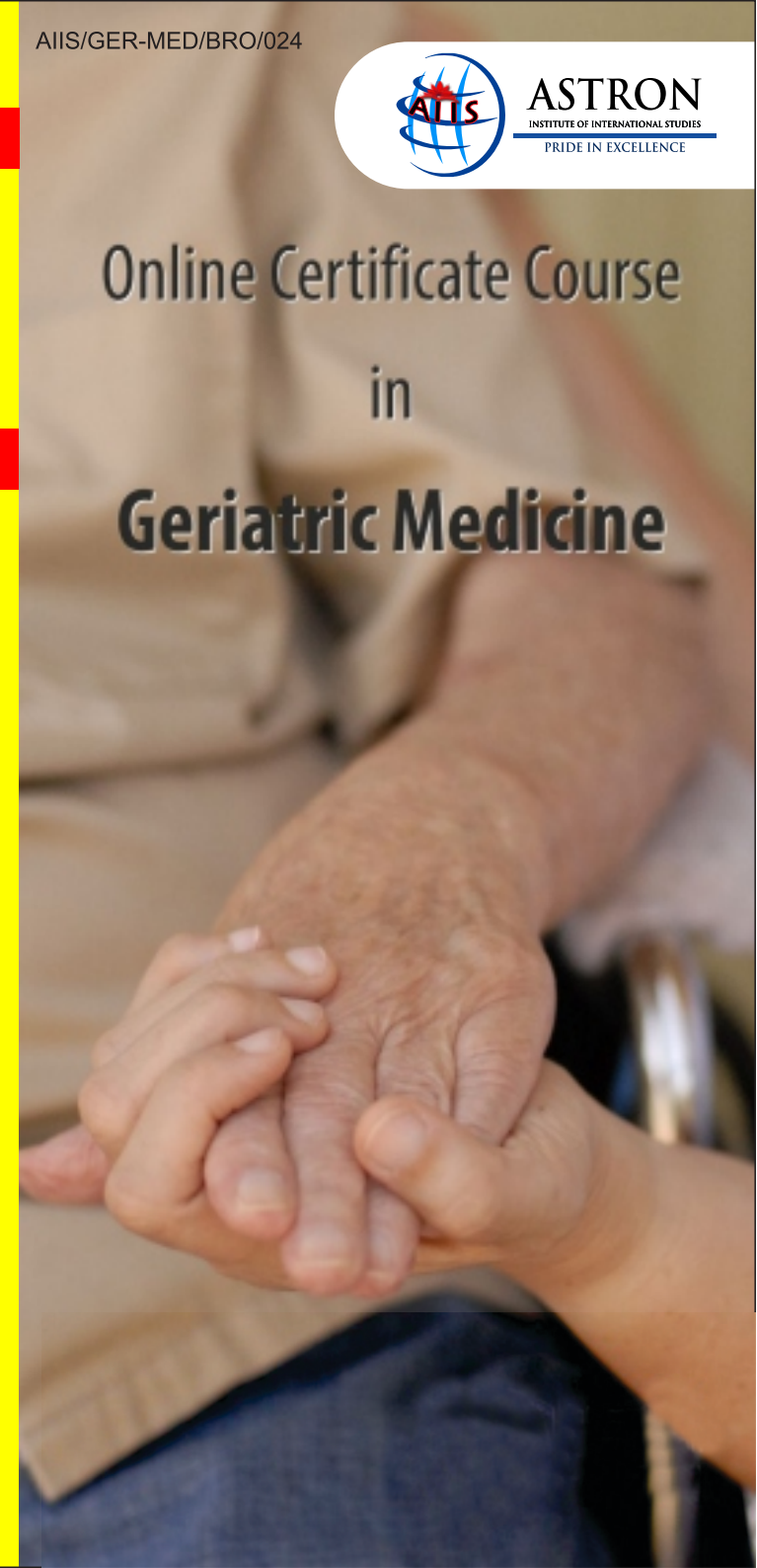
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in
Geriatric Medicine



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Course Overview

Geriatrics is a branch of medicine concerned with the clinical, preventive remedial and psycho-social aspects of illness in old age. The challenges of frailty, complex comorbidity, different pattern of disease presentation, slower response to treatment and requirements for social support call for a special medical skills.

At its core, geriatrics requires comprehensive assessment of normal elderly as well as ill elderly and disabled people. This involves doctors having a closed and interdisciplinary working with the nurses, physiotherapists, pharmacist dieticians, social workers and many other health professionals to ensure that old people receive the highest possible level of care.

General medicine, a branch of internal Medicine which is still in its infancy, deals with upskilling doctors into the diagnosis, treatment and care of elderly in contrast to the general adult population.

The certificate course in Geriatric Medicine offers physicians and nurses an opportunity to upgrade their skills in managing elderly patients. Through our programme, we develop professionally updated and culturally sensitive doctors who can deliver better outcomes in terms of medical services and patient satisfaction while dealing with elderly patients.

Learning objectives

Enhance technical skill/work efficiency in the following core areas of geriatric medicine:

- Changing structure of family and society and its impact in the life of older people.
- Demographic transition in the society.
- Profile of health problems-physical, social and emotional.
- Quality care of elderly especially communication skills.
- Preservation and promotion of good health of elderly.
- Self-care and Patient Centered Medical Home care.
- Special effects of disease and body response of the elderly to disease and treatment.
- Improving life span and quality of life of elderly.

Eligibility Criteria

- Medical Professionals
- Age no bar
- Basic knowledge of computer

Course Duration

3 Months online course

Course Content

Term-1

- Concept of Ageing
- Theories and Mechanism of Ageing
- Physical Changes Related to Ageing
- Social, Spiritual and Psychological Aspects of Ageing

Term-2

- Patient Centered Medical Care
- Beside Care
- Continuity of Care
- Geriatric Emergency Medicine- The Concepts
- Pre and Post Operative Care
- Palliative Care
- Nutrition and Exercise for Healthy Aging

Term-3

- Legal and Ethical Issues
- Abuse of the Elderly
- Medication
- Clinical Research Issues
- Communication and Counselling in Elderly



Value Proposition for the Candidate

Become pertinent for the post of:

- Front Office Manager of a hospital, Diagnostic Centre, Hospital, Nursing Home etc.
- Hospitality Manager in a hospital
- Front Office Operations Manager

Value Proposition for Organization

Generate in-house resources with:

- Good Leadership skills
- Decision-making
- Develop good management practices and concepts
- Compliance with Quality assurance at Front Office Desk

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Online Certification Course
in
**Hospital Front Office
Management**

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Course Overview

Certificate course in Hospital Front Office Management offers a unique title in the field of healthcare i.e. Front Office Manager. This certificate course has been specially tailored for Skill enhancement of front office managers in hospitals and presents a systematic approach by detailing front office procedures like admission and discharge. It prepares the candidates with thorough knowledge and skills of meeting with patient expectations, hospital quality standards and roles and responsibilities of a manager. The course also examines various elements of effective front office management, paying particular attention to planning and evaluation of front office operations and human resource management. The training provides innovative planning ideas, understanding the hospital structure, preparing for multitasking abilities to meet an effective and efficient environment in the hospital.

Learning Objective

- To prepare individuals as more effective healthcare managers and supervisor
- To understand the role of organizational and human resource management
- To equip individuals with the ability to assess alternative management solutions for healthcare related challenges
- To understand and apply the concepts of strategic planning and decision making in healthcare organizations
- To understand the NABH and other quality standards applicable to the front office
- To develop strong interpersonal skills

Course Content

The Course content has been grouped in the following three terms of one month each:

Term-1:

- Introduction to Healthcare Industry
- Management and its Basic Functions

Term-2:

- Leadership and its Styles
- Decision Making
- Team Building and Team Work
- Customer Relationship Management

Term-3:

- Human Resource Management
- Budgeting
- Quality, Patient Safety And Accreditation
- Emergency Management

Course Duration

3 Months online course

Eligibility Criteria

- MBA/MHA
- BBA
- Graduates
- Basis knowledge of computers

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Certification

Successful candidates will be awarded certificate by the Astron Institute of International Studies



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0124-4546200**

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Website : www.astron.international**

Benefits to the Individual

- It gives you the chance to work in a healthcare setting.
- It gives knowledge and skills required to work as an entry level endoscopy technician.
- As an occupation in healthcare the chance to provide assistance and support to patients and their families undergoing endoscopy procedures.
- Sounds technical knowledge and skills to handle endoscope.

Benefits to the Organisation

- Skilled human resources for better management of patient during endoscopy
- Trained workforce with technical knowledge and aptitude of handling sophisticated endoscopes
- Trained technical support to surgeons, Doctors and Endoscopy Nurse



Online Diploma in Endoscopy Technician



About AIIIS

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Program Overview

Endoscopy Technician diploma program provides students with the knowledge and skills required to work as an endoscopy technician (also known as a GI technician or a GI endoscopy technician). Endoscopy technicians assist physicians and nurses with endoscopy procedures and other minimally invasive procedures. Endoscopy involves looking inside the body for medical reasons by use of an endoscope. Unlike most of other medical imaging devices, endoscopes are inserted directly into a body organ, tract or system. Endoscopy technician helps in preparing and caring for the medical instruments and equipment used during endoscopic procedures and also responsible for maintaining examination areas clean by setting up room and cleaning instruments. Students enrolled in this program will learn how to assist in a variety of endoscopic procedures. The training will also cover sterilization techniques, including the proper method for decontaminating and sterilizing medical instrumentation and equipment. Students will gain a solid understanding of microbiology and infection control. Other topics covered in this program include basic anatomy, physiology, surgical instrumentation and sterile processing environments.

Who is a Endoscopy Technician

An endoscopy technician is a medical assistant who helps endoscopy nurses and physicians in the gastroenterology (GI) specialty. They deal with patients who have stomach or intestine problems, or those who are undergoing treatment for serious illnesses like colorectal cancer. They usually work in hospitals, but they can find positions at smaller clinics or physician offices.

Objectives

- To understand the handling of endoscope and advanced technology which helps in finding out the gastrointestinal diseases
- To understand the concept of endoscope and its advantages
- To understand the functioning, maintenance of endoscope and its sterilization

Eligibility Criteria

* Minimum eligibility is 10+2 from Central or State board

Program Duration

Duration	Certificate
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIIS)

Contents

1. Human anatomy and physiology
2. Introduction to endoscope and its basic theory
3. Roles and responsibilities of endoscopy technician
4. Endoscopy unit and staff
5. Endoscopic equipment
6. Disinfection of endoscope
7. Quality assurance in reprocessing
8. Antibiotic prophylaxis for GI endoscopy
9. Upper gastrointestinal endoscopy examination technique
10. Common diseases diagnosed by endoscopy



Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Pathway

- 10+2 you are here
- Endoscopy technician
- Senior endoscopy technician
- Supervisor



Online Diploma Program in Emergency Medical Technician



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Benefits to the Individual

- ♦ Academic excellence ,enhanced skills and capabilities as a Emergency Medical Technician.
- ♦ Ability to demonstrate sound clinical judgement in Ambulance
- ♦ Leadership capabilities to supervise and lead the Emergency Team
- ♦ Sound technical knowledge and skill to handle complex Ambulance equipments
- ♦ High level of interpersonal skills and communication skills.

Benefits to the Organisation

- ♦ Skilled human resource to better manage critical care patients
- ♦ Health workforce with technical knowledge and aptitude of handling sophisticated equipment in Ambulance
- ♦ Technical support to physicians and nurses as Emergency Medical Technician

About AIIS

Astron Institute of International Studies (AIIS), an academic vertical of Astron Group, Gurgaon, is focused on the intensively growing and continually developing fields of public and community health with emphasis on the underserved section of society at large. It envisions promoting excellence in Healthcare, Research, Education, Training, Skill Enhancement, and Consultancy Services. According to National Health Policy 2015 there is a need for planned expansion of allied technical skills including medical and paramedical workforce. AIIS, with its Vision and Mission to contribute to fulfilment of that goal, works towards development of healthcare workforce with specialised skills and knowledge.

Program Overview

Diploma Program in Emergency Medical Technician has been designed to bridge the gap in critical care practices and develop technicians skilled in critical judgement. Diploma in Emergency Medical Technician is a one year online program. The Program prepares candidates to provide competent care for critically ill individuals and their families. The program has a blended approach encompassing both theory and clinical aspects offered through online theory class and on-the-job training. The program has been structured to provide progressive group learning among students enrolled through case studies, presentations and group work

Who is a Emergency Medical Technician

Emergency Medical Technician is a trained paramedical professional who has a significant role to play in Emergency Department of a healthcare organisation. EMT is a specialised person who ensures safe and effective use of technological systems for critically ill patients and supports Medical Staff in the Ambulance. They form an interface between the Medical practitioner and patients.

Aim

To provide premiere education and training through blended learning in the area of Emergency Medical Technician

Objectives

- ◆ To enhance knowledge and skills to identify and handle complex clinical problems emerging in the Emergency
- ◆ To attain in-depth understanding on the latest medical technologies in the Ambulance
- ◆ To become proficient in responding to medical emergencies

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science Stream.

Program Duration

One Year (Online Classes 9 months + 3 months Hospital Training)

Certification

At the end of the program the student will be awarded a Certification from Astron Institute of International Studies



Contents

- ◆ Basic Concepts in the Care of Critically ill Patients
- ◆ Requirement of Patient Care in Ambulance
- ◆ Equipment, Instruments and their Maintenance in Ambulance
- ◆ Systems, Processes and Procedures adopted in Care of Critical Patients
- ◆ Emergencies and Transportation of Unconscious Patients
- ◆ Quality Assurance in Patient Care in Ambulance & Emergency
- ◆ Cardio Pulmonary Resuscitation
- ◆ Administrative, Communication and Computer Skills

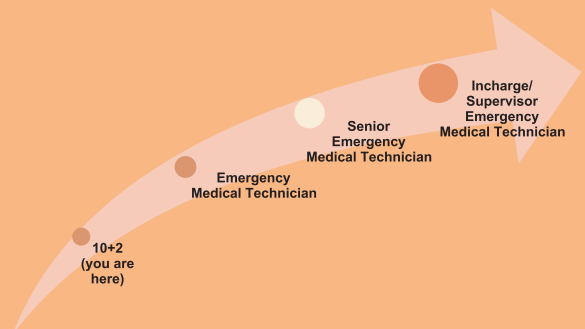
Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

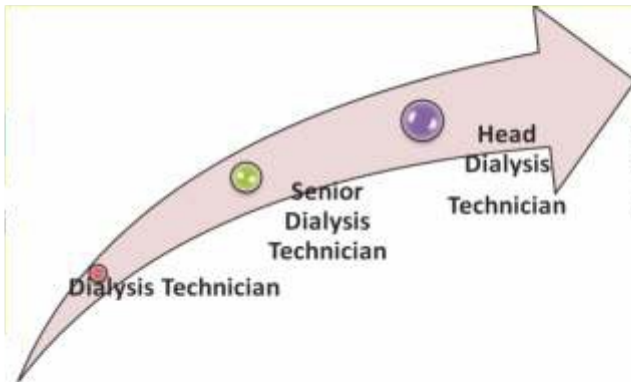
Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Career Path



Benefits to the Individual

- Enhanced skills and capabilities as Dialysis Technician
- Leadership capabilities to supervise and lead the Dialysis team in the department
- Sound technical knowledge and skills to handle dialysis equipment

Benefits to the Organization

- Skilled human resource for better management of patients during dialysis.
- Trained workforce with technical knowledge and aptitude of handling sophisticated dialysis equipment
- Trained technical support to Nephrologists.

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Online Diploma in Dialysis Technology



About AIIS

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Program Overview

Diploma in Dialysis Technology has been structured to train technicians to be an effective part of the Nephrology team. There is a growing demand of Dialysis Technicians in hospitals with an increase in diabetic patients and increasing awareness about renal diseases and the implications. These technicians will bridge the gap between the Nephrologists and patients thereby facilitating their care. The technicians are given hands on training of dialysis equipment and its maintenance. The program has been structured to provide progressive group learning among the students enrolled through presentations and group work.

Who is an Dialysis Technician?

Dialysis technicians are an important member of the nephrology team. They are trained to perform dialysis on patients who are suffering from kidney disorders. Their job entails not only operating the dialysis machine, but preparing patient for the procedure and then giving patient care after the procedure. During dialysis treatment, the technicians ensure that the dialysis machine is operating properly and the procedure is carried out smoothly. Dialysis technicians are technicians are also trained to maintain the dialysis equipment.

Aim

To provide premiere education and training through blended learning in the area of dialysis technology.

Objectives

- To understand the handling of Dialysis equipment and provide care to the renal patients.
- To understand the concept of dialysis and its advantages
- To understand the functioning, monitoring, maintenance and safety aspects of dialysis equipment and clinical practice.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board in any stream

Program Duration

Duration	Certification
1 Year (9 months online classes + 3 months hospital training)	Astron Institute of International Studies

Contents

- Anatomy
- Physiology
- Medical Terminology
- Principles of Dialysis
- Dialysis Procedures
- Haemodialysis Technology
- Equipment Maintenance
- Patient Safety and Quality Assurance
- Computer Skills & Application
- Medical Law and Bio-ethics

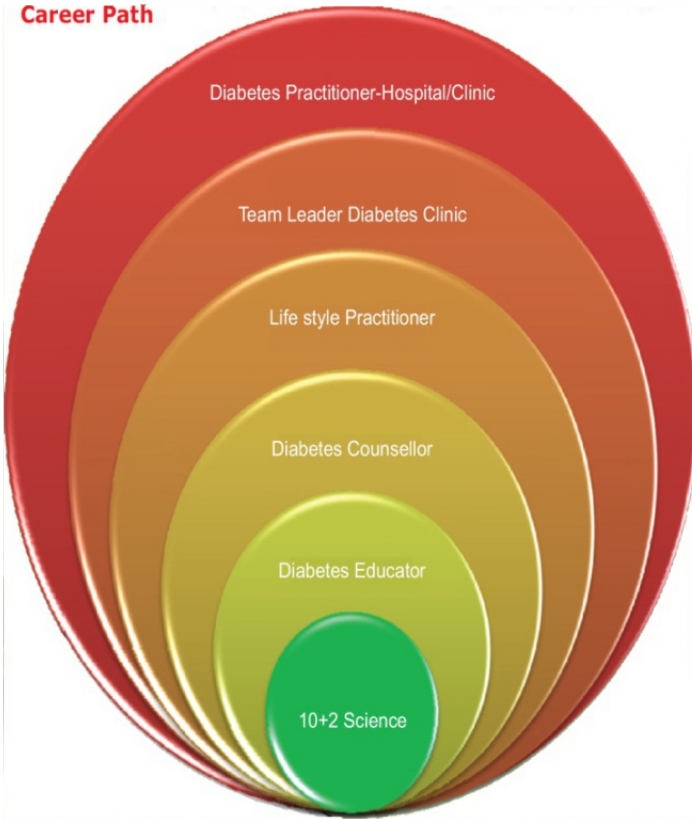
Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Benefits to the Individual

- ◆ Academic excellence, enhanced skills and capabilities in managing life style diseases.
- ◆ Ability to manage diabetes clinic along with the Endocrinologist.
- ◆ Ability to serve as lifestyle practitioner in any diabetes clinic/hospital.

Benefits to the Organisation

- ◆ Skilled human resource to better manage and educate diabetes patients
- ◆ Technical support to physicians and nurses as Diabetes Educator
- ◆ Skilled human resource to successfully execute patient specific drug therapy plan

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AIIS/DE/BRO/015



Online Diploma & Certificate Program for Diabetes Educator



About AIIS

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Program Overview

Diploma Program in Diabetes Educator has been designed to respond to the global epidemic on obesity and diabetes. To address the immense challenge presented by this disease, our country needs well qualified and trained professionals on diabetes care. The program focuses on developing the skills of individuals to be able to work in multidisciplinary teams and display collaborative approach towards the management of diabetes. Certificate Program in Diabetes Educator is Diploma/Certificate online program that prepares candidates to provide competent care to patients and families with the management and control of diabetes. The program has a blended approach encompassing both theory and clinical aspects offered through Webinar sessions, group work and on-the-job training. The program has been structured to provide progressive group learning among students enrolled through presentations and group work.

Who is a Diabetes Educator?

Diabetes Educator is a health care professional involved in the care of patients suffering with diabetes. A Diabetic Educator is involved in understanding the impact of health behaviour and lifestyle on acute and chronic problems related to diabetes. Based on their understanding they educate patients with a comprehensive, cost effective and self-care management plan.

Aim

To provide premiere education and training through blended learning in the field of Diabetes.

Objectives

- ◆ To provide knowledge about the state of diabetes disease.
- ◆ To provide clinical management and self-care management skills.
- ◆ To provide diabetes management education tools and techniques.
- ◆ To enhance skills in order to identify and handle acute and Chronic diabetes cases.
- ◆ To train individuals in order to identify and resolve barriers to change and high risk situations.

Eligibility Criteria

- ◆ M.sc/B.sc Nursing
- ◆ GNM
- ◆ B.sc/M.sc Dietetics

Program Duration

- ◆ 4 Months (3 months Online classes + 1 Month hospital training)
- ◆ 1 Year (9 months Online classes + 3 Months Hospital training)

Certification

At the end of the program the student will be awarded a Certificate from Astron Institute of International Studies



Contents

- ◆ Basic Science of Diabetes and Vascular Disease
- ◆ Human Physiological and Metabolic Assessment
- ◆ Pathophysiology
- ◆ Clinical Aspects of Diabetes
- ◆ Complications of Diabetes
- ◆ Dietary counselling in diabetic patients
- ◆ Special Populations and Issues impacted by diabetes
- ◆ Presentation Methodologies and Safety processes in relation to diabetes
- ◆ Stress Management
- ◆ Diabetes Management and Counselling
- ◆ Communication and Presentation of diabetes care

Course Highlights

- ◆ Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- ◆ Reference subject through E-library.
- ◆ Program materials developed by Experts.
- ◆ Each block culminating into a qualifying Assignment.
- ◆ Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Online Diploma Program in Critical Care Technician

**For Registration Call
8800893636
0124-4546200**

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Benefits to the Individual

- ♦ Academic excellence ,enhanced skills and capabilities as a Critical Care Technician.
- ♦ Ability to demonstrate sound clinical judgement in ICU Settings.
- ♦ Leadership capabilities to supervise and lead the Critical Care team
- ♦ Sound technical knowledge and skill to handle complex ICU equipment
- ♦ High level of interpersonal skills and communication skills.

Benefits to the Organisation

- ♦ Skilled human resource to better manage critical care patients
- ♦ Health workforce with technical knowledge and aptitude of handling sophisticated equipment in ICU
- ♦ Technical support to physicians and nurses as Critical Care Practitioner.

About AIIS

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Program Overview

Diploma program in Critical Care Technology has been designed to bridge the gap in critical care practices and develop technicians skilled in critical judgement Certificate program in Critical Care Technology is a one year online program that prepares candidates to provide competent care for critically ill Individuals both theory and clinical aspects offered through Webinar sessions, Group sessions and on-the-job training.

Who is a Critical Care Technician?

Critical Care Technician (CCT) is a trained paramedical professional who has a significant role to play in Critical Care Unit of a healthcare organisation. CCT is a specialised person who ensures safe and effective use of technological systems for critically ill patients and supports intensivists in the ICU. They form interface between the intensivists and patients.

Aim

To provide premiere education and training through blended learning in the area of critical care technology.

Objectives

- ◆ To enhance knowledge and skills to identify and handle complex clinical problems emerging in the ICU.
- ◆ To attain in-depth understanding on the latest medical technologies in the ICU.
- ◆ To become proficient in responding to medical emergencies

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science Stream.

Program Duration

One Year (online Classes 9 months + 3 months Hospital Training)

Certification

At the end of the program the student will be awarded a Certification from Astron Institute of International Studies



Contents

- ◆ Basic Concepts in the Care of Critically ill Patients
- ◆ Requirement of Patient Care in ICU.
- ◆ Equipment, Instruments and their Maintenance in ICU
- ◆ Systems, Processes and Procedures adopted in Care of Critical Patients
- ◆ Emergencies and Transportation of Unconscious Patients
- ◆ Quality Assurance in Patient Care in ICU
- ◆ Cardio Pulmonary Resuscitation
- ◆ Medical Law and Ethics and Code of conduct
- ◆ Administrative, Communication and Computer Skills

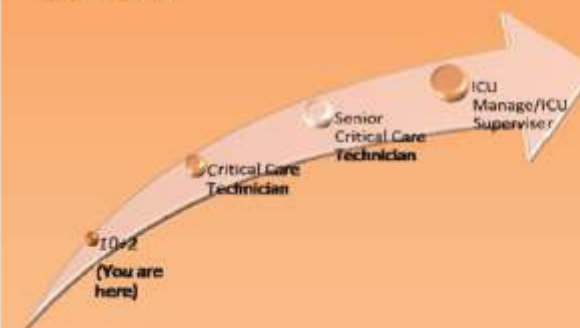
Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

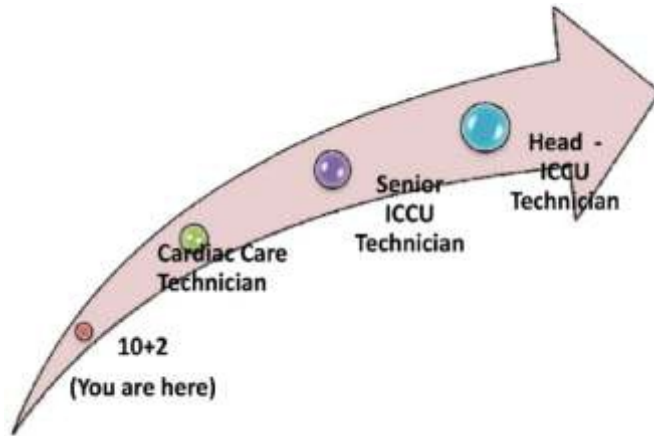
Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Career Path



Benefits to the Individual

- Enhanced skills and capabilities as Cardiac Care Technician
- Leadership capabilities to supervise and lead the cardiac care team
- Sound technical knowledge and skills to handle complex cardiac care cases and maintain cardiac care equipment.

Benefits to the Organization

- Skilled human resource for better management of cardiac cases.
- Health workforce with technical knowledge and aptitude of handling sophisticated cardiac equipment
- Trained Technical support to cardiologist.

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AIIS/CAR-CT/BRO/010



**Online
Diploma & Certificate Program
in
Cardiac Care Technician**



About AIIS

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Program Overview

India is now focusing its attention towards lifestyle diseases. Consequently a strong felt need has arisen for the availability of trained Cardiac Care Technicians to be in place to reduce morbidity and mortality in the community. Diploma Program in Cardiac Care Technology has been conceptualized to teach the candidate the basic role of a Cardiac Care Technician within a Health Care Setting and usage of Cardiac Care equipment. Diploma Program in Cardiac Care Technology is 12 Months Online Program. This program has been designed to prepare technicians to provide competent care for cardiac patients and work in synergy with the cardiac team to take on the cardiac patients diligently.

Who is a Cardiac Care Technician?

Cardiac Care technicians assist a cardiologist for invasive/non invasive cardiovascular procedures. They are an important member of the cardiac team. They assess the cardiac patient and prepare them for invasive procedures which are carried out by the cardiologist. They are trained to monitor the patient during the procedure and later during the recovery stage.

Aim

To provide premiere education and training through blended learning in the area of cardiac care technology

Objectives

- To understand the use and maintenance of cath lab equipment
- To understand the concept of cardiac care unit.
- To understand the functioning, monitoring, maintenance and safety aspects of ICCU.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies



Contents

- Anatomy
- Physiology
- Current Trends in Cardiac Care
- Cardiac monitoring
- Cath Lab procedures
- ICCU systems and procedures
- Management of Cardiac Emergencies
- Cardiac Pulmonary Resuscitation
- Medical law , Bio-ethics and code of conduct

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.



Benefits to the Organisation

- * Skilled human resource to better manage patients suffering with respiratory insufficiency
- * Health workforce with technical knowledge and aptitude of handling ventilators, respiratory support equipment's and other ICU equipment's
- * Technical support to Doctors and nurses as respiratory care technician

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.



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PRIDE IN EXCELLENCE

ONLINE DIPLOMA IN RESPIRATORY CARE TECHNICIAN



AIIS/RT/BRO/009

About AIIS

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Program Overview

Being able to breathe is one of the basic essentials for life and respiratory therapists are the monitors and guardians of a patient's ability to access this necessity. There are countless types and causes of breathing problems and patients depend on respiratory therapists to improve their quality of life and help them recover.

This course will provide the essential skills required to work as a respiratory care technician. Trainee will learn in detail about the essential skills required to work as members of the health care team, work to evaluate, treat and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders in a wide variety of clinical settings. Trainee shall be exposed to basics of performing respiratory care procedures. Respiratory therapists are involved in clinical decision-making (such as patient evaluation, treatment selection, and assessment of treatment efficacy) and patient education.

The course shall also help in assessing the cardiopulmonary status of patients and making recommendations and assist physicians in caring for these patients, performing and assisting prescribed diagnostic studies such as drawing blood samples, performing blood gas analysis, electrocardiograms, exhaled gas analysis and pulmonary function testing and utilizing data to assess the appropriateness of prescribed respiratory care.

Other topics covered in this program include anatomy, pathophysiology, diagnosis and treatment of respiratory diseases, Emergency and Critical Care areas & management of respiratory care plans in the acute care setting using evidence based medicine, protocols and clinical practice guidelines.

Who is a Respiratory Care Technician

Medical transcription, also known as MT, is an allied health profession dealing with the process of transcribing voice-recorded medical reports that are dictated by physicians, nurses and other healthcare practitioners. Medical reports can be voice files, notes taken during a lecture, or other spoken material. These are dictated over the phone or uploaded digitally via the Internet or through smart phone apps. Medical transcription is part of the healthcare industry that renders and edits doctor dictated reports, procedures, and notes in an electronic format in order to create files representing the treatment history of patients.

Objectives

To enhance knowledge and skills to identify the emerging situations and to handle the respiratory support devices e.g. ventilators

To enhance the knowledge and skills to identify the respiratory procedures like pulmonary function test, Arterial blood gas analysis

To become proficient in responding to respiratory emergencies

Eligibility Criteria

Minimum eligibility is 10 + 2 from Central or State board with Any Stream.

GNM / Nursing students

Program Duration

Duration	
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies and International Accreditation Organisation, USA

Contents

1. Human anatomy and physiology
2. Introduction to respiratory care
3. Respiratory therapy equipments and devices
4. Common respiratory diseases and management
5. Cardiac and pulmonary pharmacology
6. Common respiratory procedures
7. Pulmonary function test
8. Mechanical ventilation
9. Arterial blood gas analysis
10. Cardiopulmonary resuscitation

Course Highlights

- * Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- * Reference subject through E-library.
- * Program materials developed by Experts.
- * Each block culminating into a qualifying Assignment.
- * Credit based teaching outcomes for global application

Career



- STEP 1 **10+2 you are here**
- STEP 2 **Respiratory care technician**
- STEP 3 **Senior Respiratory care technician**
- STEP 4 **ICU manager/Supervisor**

Benefits to the Individual

Academic excellence, enhanced skills and capabilities as a respiratory care technician

Ability to demonstrate sound clinical judgment in ICU settings

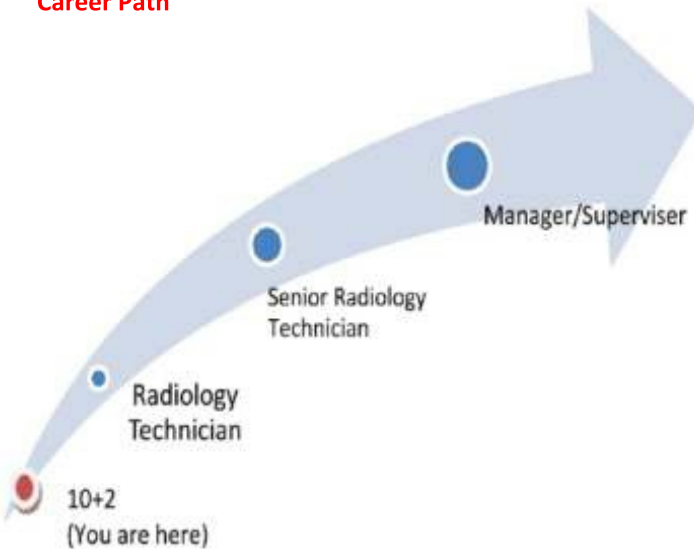
Leadership capabilities to supervise and head the Respiratory care team

Sound technical knowledge and skill to handle the complex respiratory support devices in ICU settings.

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Benefits to the Individual

- Academic excellence and enhanced skills in Radiology technology
- Sound technical knowledge and skill to operate and handle sophisticated radiology equipment

Benefits to the Organisation

- Skilled human resource to manage radiological imaging procedures
- Skilled human resource to better manage sophisticated and high tech medical equipment.
- Technical support to radiologists
- Better understanding of user needs and organisational priorities

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Online Diploma in Radiology Technician



About AIIS

Astron Institute of International Studies (AIIS), an academic vertical of Astron Group, Gurgaon, is focused on the intensively growing and continually developing fields of public and community health with emphasis on the underserved section of society at large. It envisions promoting excellence in Healthcare, Research, Education, Training, Skill Enhancement and Consultancy Services. According to National Health Policy 2015 there is a need for planned expansion of allied technical skills including medical and paramedical workforce. AIIS, with its Vision and Mission to contribute to the fulfilment of that goal, works towards development of healthcare workforce with specialised skills and knowledge.

Program Overview

Radiology is a type of medical imaging that doctors use to diagnose conditions ranging from broken bones to tumours. The image is obtained by a Radiology Technician which helps doctors to diagnose and treat illnesses and injuries with greater accuracy and finesse. Diploma Program in Radiology Technology has been conceptualized to teach the candidates the basic role of a radiology technician within a healthcare setting and usage of radiology equipment. The program is designed to offer Webinar based sessions, Group sessions and on-the-job training. Diploma program in Radiology Technology is a 12 months Online program that prepares an individual for the position of a radiology equipment operator. The program has a blended approach encompassing both theory and clinical aspects. The program has been structured to provide progressive group learning among the students enrolled through case studies, presentations and group work. The program in Radiology Technology not only trains the students to work as a radiology technician, but also prepares him/her for supervisory, managerial and mentoring positions within a healthcare setting.

Who is a Radiology Technician

A Radiology Technician is a healthcare professional who performs diagnostic imaging procedures under the guidance of a Radiologist. Radiology technician is a trained professional who works with X-rays and other medical imaging devices such as magnetic resonance imaging (MRI) scans and computed tomography (CT) scans. They also make use of radioactive substances to aid, the diagnosis of specific medical conditions. The Technician is a vital member of the radiology team. Radiology technicians can work at hospitals, clinics and teaching institutes. They are well trained to suitably fit in supervisory and managerial roles as their experience progresses. They are also called Radiographers.

Aim

To provide premiere education and training through blended learning in Radiology.

Objectives

- To learn techniques of obtaining images of high diagnostic quality and precision.
- To understand the usage of equipment in patient diagnosis and treatment.
- To understand the functioning, maintenance, monitoring and safety aspects of radiology equipment.
- To acquire advanced interpersonal and communication skills.
- To acquire good patient interaction skills.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies

Contents

- Radiation Biology and Radiation Physics
- Basics of Anatomy and Physiology
- Radiology Equipment
- Radiographic Procedures
- Imaging Analysis
- Radiation Safety
- Infection Control Practices & Bio-medical waste Management
- Patient Care and Positioning
- Administrative Skills & Communication Skills

Course Highlights

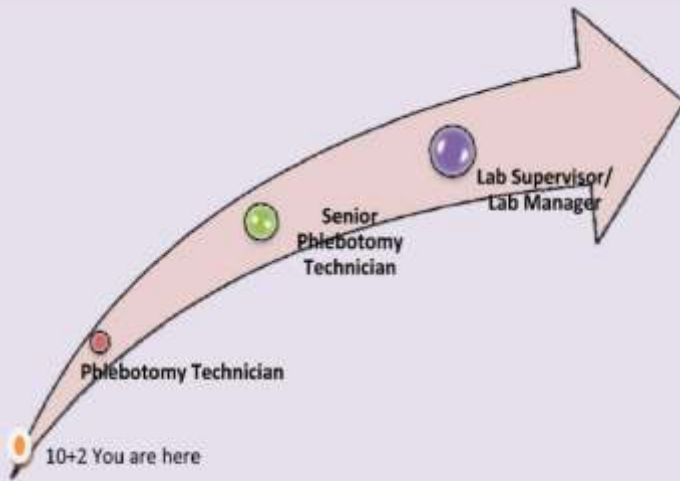
- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Benefits to the Individual

- Enhanced skills and capabilities as a Phlebotomy Technician
- Leadership capabilities to supervise and lead the clinical laboratory team
- Sound technical knowledge and skills to handle blood sampling and bleed patients.

Benefits to the Organization

- Skilled human resource to ensure quality management of clinical laboratory.
- Health workforce with technical knowledge and aptitude of handling sophisticated equipment.
- Trained Technical support for enhancing the efficiency of the clinical lab.

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AIIS/PHLEBO-T/BRO/019



Online Diploma/Certificate Program in Phlebotomy Technician



About AIIS

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Program Overview

To meet the ever-growing demands of qualified and trained Phlebotomists, AIIS has designed a Certificate program in Phlebotomy Technology. A Phlebotomist has to be a diligent individual with compassion when dealing with the patients. This certificate program prepares the phlebotomist to understand the psyche of the patients and bleed them with ease, causing minimal inconvenience. They are trained to bleed with one prick methodology, wound treatment and usage of equipment. The program has been structured to provide progressive group learning among the students enrolled through case studies, presentations and group work.

Who is a Phlebotomy Technician?

A Phlebotomy Technician is a trained paramedical professional who is an important member of the clinical laboratory team. Certified Phlebotomy Technicians collect, label and transport blood specimens as directed by the prescribing physician or supervising medical professional. They also record patient data and enter it into computer systems. Certified Phlebotomy Technicians may work in hospitals, labs, medical offices or blood donation camps, typically working directly with patients in a fast-paced environment.

Aim

To provide premiere education and training through blended learning in the area of phlebotomy technology.

Objectives

- ◆ To learn and understand how patients need to be prepared before they are bled for sampling.
- ◆ To understand the concept of balanced phlebotomy and its advantages.
- ◆ To understand the blood sampling, withdrawing and storage techniques for blood testing.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board

Program Duration

- ◆ 4 month online courses (3 month online Class + 1 month hospital training)
- ◆ 1 year online courses (9 month online Class + 3 month hospital training)

Certification

At the end of the program the student will be awarded a Certification from Astron Institute of International Studies



Contents

- ◆ Anatomy & Physiology
- ◆ Clinical Biochemistry
- ◆ Microbiology and Parasitological
- ◆ Clinical Pathology, Haematology
- ◆ Sample Collection Procedure
- ◆ Transportation and Storage
- ◆ Reporting and Documentation
- ◆ Infection Control Practices
- ◆ Bio-medical Waste Management
- ◆ Universal Precaution

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



Benefits to the Individual

- It gives you the chance to work in a healthcare setting without having to undergo the extensive training that doctors do.
- It gives knowledge and skills required to work as an entry level perfusion technician.
- As an occupation in healthcare the chance to provide assistance and support to patients and their families undergoing heart surgery
- Sounds technical knowledge and skills to handle perfusion equipment.

Benefits to the Organisation

- Skilled human resources for better management of patient during surgery.
- Trained workforce with technical knowledge and aptitude of handling sophisticated equipments.

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ONLINE DIPLOMA PROGRAM IN PERFUSION TECHNICIAN



About AIIS

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Program Overview

Diploma programme in perfusion technology has been conceptualized to teach the candidate the basic role of perfusion technician within health care setting. Perfusion is the science of providing extracorporeal circulation in order to artificially support and temporarily replace a patient's respiratory and circulatory systems. Perfusion Technicians are members of the cardiac surgical team and provide lifesaving support to patients requiring extra corporeal circulation including but not limited to major cardiothoracic, vascular and transplant surgeries, as well as support to critically-ill patients.

Who is a Perfusion Technician

A perfusion technician forms an integral part of the team that carries our cardiac and other relevant surgeries. Perfusion Technicians prepare and operate heart-lung machines and other sophisticated equipment as directed by healthcare physicians. They measure blood pressure and other parameters to identify appropriate mechanical, pharmacological and thermal manipulation to maintain tissue viability.



Objectives

- To understand the handling of heart lung machine
- To understand the concept of perfusion and its advantages
- To understand the functioning, maintenance of perfusion equipments and its sterilization

Eligibility Criteria

- * Minimum eligibility is 10 + 2 from Central or State board with Science Stream

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIS)

Contents

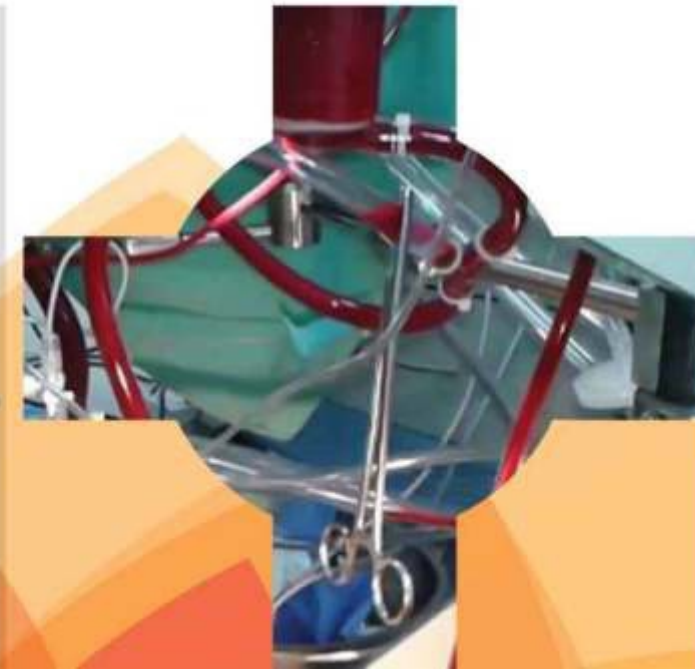
- 01) Anatomy and physiology
- 02) Introduction to perfusion technology
- 03) Pathology
- 04) Pharmacology
- 05) Instrumentation and measurement
- 06) Perfusion equipment
- 07) Perfusion techniques
- 08) Clinical application of bypass techniques
- 09) Occupational aspects of perfusion
- 10) Postoperative intensive care unit management
- 11) Cardiopulmonary resuscitation
- 12) Ventilators

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.





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ONLINE CERTIFICATE PROGRAM IN PAEDIATRIC NURSE

Career Pathway

- GNM
- Certified nurse
- Senior nurse
- Team leader
- Supervisor

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Benefits to the Individual

- Better planning, coordination and implement of medical and health services
- Position yourself to move into a respected, potentially lucrative nursing management and administrative role
- Extensive knowledge on patient care and enhanced leadership and management skills
- Enhanced capacity to lead and supervise teams
- Improve overall efficiency and financial effectiveness

Benefits to the Organisation

- Better management of nursing services
- Efficient human resources management
- Strategic planning and implementation of nursing services
- Better management of organisation quality initiatives

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Program Overview

Paediatric nurse work at different levels of special needs child care and with various extended service providers. They treat and provide care for children with illnesses such as autism, cerebral palsy, sensory impairments and emotional, congenital, muscular or neurological disorders. Some of the areas of care, treatment and support include therapy, language and instruction on adaptive equipment. These technicians provide care for children with special needs in a variety of environments, such as medical, home, and specialized care.

Who is a Paediatric Nurse

A paediatric nurse is a registered nurse or an advanced practice registered nurse who has received specialized training with pediatric patients. Pediatric nurses dedicate their career to working with children of all ages, from infancy through the teen years

Objectives

- Focused and compassionate RN with four years of experience, the last 18 months in a Paediatric NICU, providing treatment to newborns while communicating and comforting parents.
- Seeking a position as a Paediatric Nurse
- Skilled at assessing and evaluating treatment needs by using thorough intake methods and opening up lines of communication with patients and their parents across all walks of life.
- Obtain a Paediatric Nurse position to improve hospital procedures and streamline patient care, allowing for more time with patients and a more hands-on approach.
- Utilize specialties in acute care to work with other professionals to effectively diagnose and treat infants and children.

Eligibility Criteria

* GNM/ B.Sc. Nursing

Program Duration

Duration	Certification
• 4 Months (3 months online classes + 1 month hospital training)	• Astron Institute of International Studies (AIIS)

Contents

1. Introduction to paediatric nursing
2. Preventive pediatrics
3. Immunization
4. Assessment of new born infant
5. Care of the new born
6. Normal growth and development
7. Parent child relationship
8. Congenital abnormalities
9. Child welfare agencies
10. Acute respiratory infections

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Online Diploma in Operation Theatre Technician

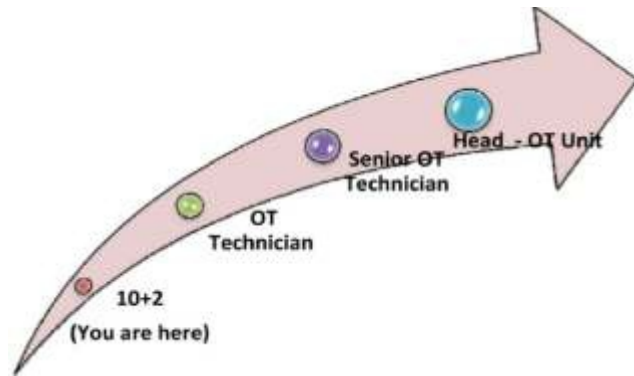
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Career Path



Benefits to the Individual

- Enhanced skills and capabilities as Operation Theatre Technician
- Leadership capabilities to supervise and lead the operation theatre team
- Sound technical knowledge and skills to handle complex OT equipment

Benefits to the Organization

- Skilled human resource for better management of patients during surgery.
- Trained workforce with technical knowledge and aptitude of handling sophisticated OT equipment
- Trained technical support to surgeons, anaesthetists and OT staff.

About AIIS

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Program Overview

Diploma in Operation Theatre Technology has been designed to ensure that the candidate gains adequate expertise to be a part of the surgical team. This diploma prepares the technician to be fully conversant with the functioning of the operation theatre and surgical procedures undertaken in the OT. They are trained to maintain the OT equipment and instruments, check the infection control practices and status of sterilization of the OT and also ensure its smooth functioning. A trained OT technician is the most important element of the surgical team. The 12 Months Diploma Program has been structured to provide progressive group learning among the students enrolled through presentations and group work.



Who is an Operation Theatre Technician?

An Operation Theatre Technician is a person who is involved with the management of the operation theatre. Their work includes managing and organizing all the activities in and around the operation theatre. They ensure the management of the patients in and out of the operation theatre. They look after all the surgical instruments and their sterilization. They also assist the surgeon in performing surgical procedures. They ensure sterilization and cleaning of the operation theatre and management of other affiliated staff. In short, an operation theatre technician manages and organizes the entire operation theatre. They are thus an essential part of the surgical team.

Aim

To provide premiere education and training through blended learning in the area of operation theatre technology.

Objectives

- To understand the handling of Operation theatre equipment and provide care to the surgical patients.
- To understand the concept of OT and its advantages
- To understand the functioning, monitoring, maintenance and safety aspects of OT equipment and clinical practice.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies

Contents

- Anatomy
- Physiology
- Introduction to Operation Theatre Technology
- Basic OT and Anaesthesia Equipment & Drugs
- Post Anaesthesia Care Unit(PACU)
- Inventory Maintenance
- Patient Safety and Quality Assurance
- OT Maintenance

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.



Who Can Join?

- B.Sc. Nursing Degree
- Nursing Administrators / Managers.
- Nursing Educators / Instructors.
- GNM Diploma holders.
- B.Sc. Graduates.

Certification

Successful candidates will be awarded a certificate by the Astron Institute of International Studies

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work , participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Value Proposition for the Candidate

- Better Planning, Coordination and Implementation of medical and health services.
- Position yourself to move into a respected, potentially lucrative nursing management and administration role.
- Extensive knowledge on patient care and enhanced leadership and management skills.
- Enhanced capacity to lead and supervise teams.
- Improve overall efficiency and financial effectiveness.

Value Proposition for Organization

- Better management of nursing services.
- Efficient Human Resource Management.
- Strategic planning and implementation of nursing services.
- Better management of finances.
- Better management of organisation's quality initiatives.
- Improved record maintenance documentation of nursing services.



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Online Certificate Course
in
**Nursing
Administration
and Management**



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Course Overview

Certificate course in Nursing Administration and Management offers a unique title in the field of healthcare i.e. Nurse Administrator. This certificate course has been specially tailored for Skill building of nurses and Skill Enhancement of nursing administrators with a major focus on initial assessment, reassessment, analysis of context and systems issues, development of strategies, goals, objectives and plans, including budgets, human resource plans and interventions for the management of change.

Learning Objectives

- To enhance managerial and technical skills in the field of Nursing Management.
- To develop critical thinkers who creatively engage in nursing processes to improve healthcare outcomes.
- To develop caring and culturally responsive communication and interpersonal skills.
- To develop capabilities for effectively leading interdisciplinary healthcare teams.
- To understand nursing ethics and by laws.
- To develop effective collaborators to effectively contribute to disease prevention, quality, safety and equality.

Course Content

This course has been grouped in the following three terms of one month each:

Term-1

- Effective Nursing Administration and Management
- Functions and Principles of Administration
- Planning and Organising Nursing Services
- Clinical Care Delivery and Optimal Patient Outcomes

Term-2

- Clinical Leadership and Leadership Styles
- Nursing Supervision
- Effective Communication in Nursing
- Legal and Ethical Aspects of Nursing

Term-3

- Strategic, Financial and Human Resource Management
- Latest Trends in Nursing
- Electronic Medical Record and HMIS
- Quality and Patient Safety

Course Duration

- 4 Months (3 Months online Classes + 1 Month Hospital Training)

Eligibility Criteria

- GNM
- B.sc. /M.sc Nursing
- Basic Knowledge of Computers

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



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ONLINE DIPLOMA NEUROPHYSIOLOGY TECHNICIAN

Benefits to the Individual

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The student will be able to do the following:

- Communicate effectively with other health care professionals using the appropriate EEG terminology.
- Clinical neurophysiology deals with the working of the nervous system and its disorders. Conditions such as epilepsy, Parkinson's disease, motor neuron disease, seizures, stroke and multiple sclerosis are dealt by a clinical neurophysiologist.
- Clinical neurophysiologists are in fact medical specialists who help in the diagnosis of diseases associated with the central and peripheral nervous systems.
- Hospitals; state, local, and private
- Offices of physicians
- Medical and diagnostic laboratories
- Outpatient care centers

Benefits to the Organization

- Hospitals that have neurologists and neurosurgeons tend to house clinical neurophysiology departments. Usually these tend to be larger hospitals that are able to employ more specialized staff units.
- Clinical neurophysiologists are responsible for analyzing and writing reports on tests that take place within the department.
- They must also interpret the results that they receive and convey this information to the doctor that referred the patient to the particular neurophysiologist.
- Many tests involve carrying out an EMG to read the evoked potential recordings. Nerve conduction recordings are extremely common as well.

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Program Overview

Professionals in the field of neurophysiology perform tests that assist physicians in the diagnosis and evaluation of diseases of the brain, peripheral and autonomic nervous systems and disorders of sleep using sophisticated electronic testing equipment. Neurophysiology technicians interact with patients ranging from newborn to older people.

Career opportunities for Neurophysiology technicians are excellent. They are employed in hospitals, clinics, physician's offices, epilepsy monitoring units, sleep disorder centres and research institutions. After further study and experience, you may advance to specialty positions within the field, such as monitoring and analysing data while surgical procedures such as a spinal cord fusion or carotid endarterectomy are being performed

Who is a Neurophysiology Technician

Neurophysiology technician is also known as EEG technicians. EEG technicians are trained to operate machines known as electroencephalographs, which are used to measure and record the electrical activity of brain waves via electrodes secured to the patient's scalp. The technicians use these devices to administer tests called electroencephalograms (EEGs), which may then detect brain disorders or damage.

EEG technicians can use these tests to monitor patients during sleep cycles. EEG technicians also perform pre-test consultations and record the patient's medical history. Since the EEG can be stressful for some patients, EEG technicians can also explain the test procedure to patients in order to help assuage some of their fears.

Objectives

The student will be able to do the following: Communicate effectively with other health care professionals using the appropriate EEG.

•terminology Measure a mannequin head according to the International 10-20 System of Electrode Placement.

•in 20 minutes. Apply electrodes to the pre-measured mannequin head in 45 minutes using paste technique.

• Demonstrate use of the polarity convention in montage design and localization technique.

Eligibility Criteria

Minimum eligibility is -10+2 from Central or State board with Science.

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIS)

Contents

- 1) Anatomy & physiology
- 2) Introduction to Neurophysiology
- 3) Nervous system and its parts
- 4) Classification of Nervous system
- 5) Neurotransmitter
- 6) Action Potential
- 7) Neural coding and its general principles
- 8) Reflexes
- 9) Neuropathology
- 10) Electroencephalography

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application



Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Pathway

You will work as part of a multi-disciplinary team that includes doctors specializing in neurology, specialist nurses and other healthcare science staff (eg. those specializing in audiology or ophthalmic and vision science).





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Benefits to the Individual

- Nuclear Medicine/PET will continue to be a field at the forefront of modern clinical medicine and technological development.
- The development of new radio pharmaceuticals for diagnostic and therapeutic purposes Promising research and development of cancer-detecting and cancer-killing agents, such as genetically engineered antibodies.
- The expanding clinical use of exciting new technology known as positron emission tomography/computed tomography (PET/CT) and SPECT/CT, which provide new and unique means of studying biochemistry and metabolism within living tissues

Benefits to the Organisation

- Organisation growth
- Efficient human recourse management
- Work efficiently and effectively
- Improved quality of service provider

ONLINE DIPLOMA PROGRAM IN NUCLEAR MEDICINE TECHNICIAN



About AIIS

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Program Overview

Nuclear medicine Technician/ technologist is a highly specialized health care professional who looks at how the body functions in order to help in diagnosis and treatment of a range of conditions and diseases. Nuclear medicine includes imaging, patient care, chemistry, physics, computer technology and medicine. Nuclear medicine technicians prepare and administer small amounts of radioactive substances called radiopharmaceuticals as well as other medications to patients for diagnosis and treatments.

Radiopharmaceuticals are made up of unstable atoms of radionuclides that emit radiation spontaneously. Nuclear medicine technician uses specialized camera systems to detect the radiopharmaceuticals which then creates a precise picture of the part of the body being imaged. The nuclear medicine technician monitors the characteristics and functions of tissues or organs in which the radiopharmaceuticals localize. Abnormal areas show higher or lower concentrations of radioactivity than normal. Physicians use these images to diagnose molecular, metabolic, physio- logical, anatomical and pathological conditions.

Who is a Nuclear Medicine Technician

Nuclear medical technicians or technologists work in hospitals and medical facilities working with patients to administer radiation tests and procedures. They require an associate's degree, and usually must obtain state licenses or professional certification.

Objectives

To orient and train technologists in the use of radioactive materials for therapeutic and diagnostic Nuclear Medicine/PET procedures.

To establish for the community a reliable source of Nuclear Medicine/- PET technologists whose skillful and compassionate work with patients will be satisfying to themselves and a credit to the profession.

Eligibility Criteria

Minimum eligibility is 10+2 from Central or State board with Science.

Technician Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	• Astron Institute of International Studies (AIIS)

Contents

1. Introduction to nuclear medicine
2. Physics and chemistry of nuclear medicine
3. Imaging instrument & modalities
4. Data analysis
5. Performance tests and maintenance
6. Nuclear medicine & central nervous system
7. Nuclear medicine & respiratory system
8. Nuclear medicine & cardiovascular system
9. Nuclear medicine & digestive system
10. Precautions while dealing with radiations

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and grading

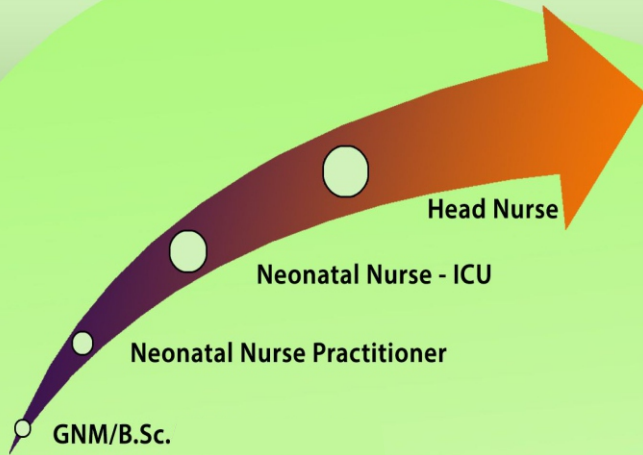
Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Pathway

- Biological Technicians
- Diagnostic Medical Sonographers and Cardiovascular Technologists and Technicians, Including Vascular Technologists
- Medical and Clinical Laboratory Technologists and Technicians
- Nuclear Technicians
- Radiation Therapists
- Radiologic and MRI Technologists



Career Path



Value Proposition for the Candidate

- 1 Better Planning, Coordination and Implementation of neonatal care services.
- 1 Position yourself to move into a respected, potentially lucrative Neonatal Nursing role.
- 1 Extensive knowledge on neonatal care and enhanced leadership and management skills with respect to neonatal care.
- 1 Enhanced capacity to lead and supervise teams.
- 1 Improve overall efficiency and financial effectiveness.

Value Proposition for Organization

- 1 Better management of neonatal nursing services.
- 1 Efficient Human Resource Management.
- 1 Strategic planning and implementation of neonatal care services.
- 1 Better management of organisation's quality initiatives.
- 1 Improved record maintenance, documentation of neonatal nursing services.

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8800893636
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ASTRON INSTITUTE OF INTERNATIONAL STUDIES

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Website : www.astron.international



**Online Certificate
 Course
 In
 NeoNatal Nursing
 Care**

About AIIS

Astron Institute of International Studies (AIIS), an academic vertical of Astron Group, Gurgaon, is focused on the intensively growing and continually developing fields of public and community health with emphasis on the underserved section of society at large. It envisions promoting excellence in Healthcare, Research, Education, Training, Skill Enhancement and Consultancy Services. According to National Health Policy 2015 there is a need for planned expansion of allied technical skills including medical and paramedical workforce. AIIS, with its Vision and Mission to contribute to the fulfilment of that goal, works towards development of healthcare workforce with specialised skills and knowledge.

Course Overview

Certificate course in Neonatal Nursing care offers a unique title in the field of healthcare i.e. Neonatal. This certificate course has been specially tailored for skill building of a nurse with the major focus on initial assessment, reassessment of advanced practices that care for premature babies and sick new-borns in intensive care unit, emergency room, delivery room and special clinics. These nurses will develop in to experts on newer techniques and instruments and will play a major role in neonatal care.

Course Duration

- 4 Months (3 months online classes + 1 month hospital training)

Eligibility Criteria

- GNM
- B.Sc. Nursing
- Basic Knowledge of Computers

Learning Objectives

- To enhance managerial and technical skills in the field of NeoNatal Nursing Care.
- To develop critical thinkers who creatively engage in nursing processes to improve healthcare outcomes.
- To develop caring and culturally responsive communication and interpersonal skill.
- To develop capabilities for effectively leading interdisciplinary healthcare teams.
- To understand nursing ethics and by laws.
- To develop effective collaborators to effectively contribute to disease prevention, quality, safety and equality.

Course Contents

The course contents are as follows: -

- Neonatal Nursing
- High Risk Pregnancy
- Injuries During Birth
- Resuscitation of the newborn baby
- Care of the Baby at birth
- Prevention of Infection
- Thermal Protection
- Feeding of Normal & Low birth weight babies
- Transport of Neonates
- Neonatal Medical Conditions
- Quality Standards for Neonatal Nursing Care

Certification

Successful candidates will be awarded a certificate by the Astron Institute of International Studies

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

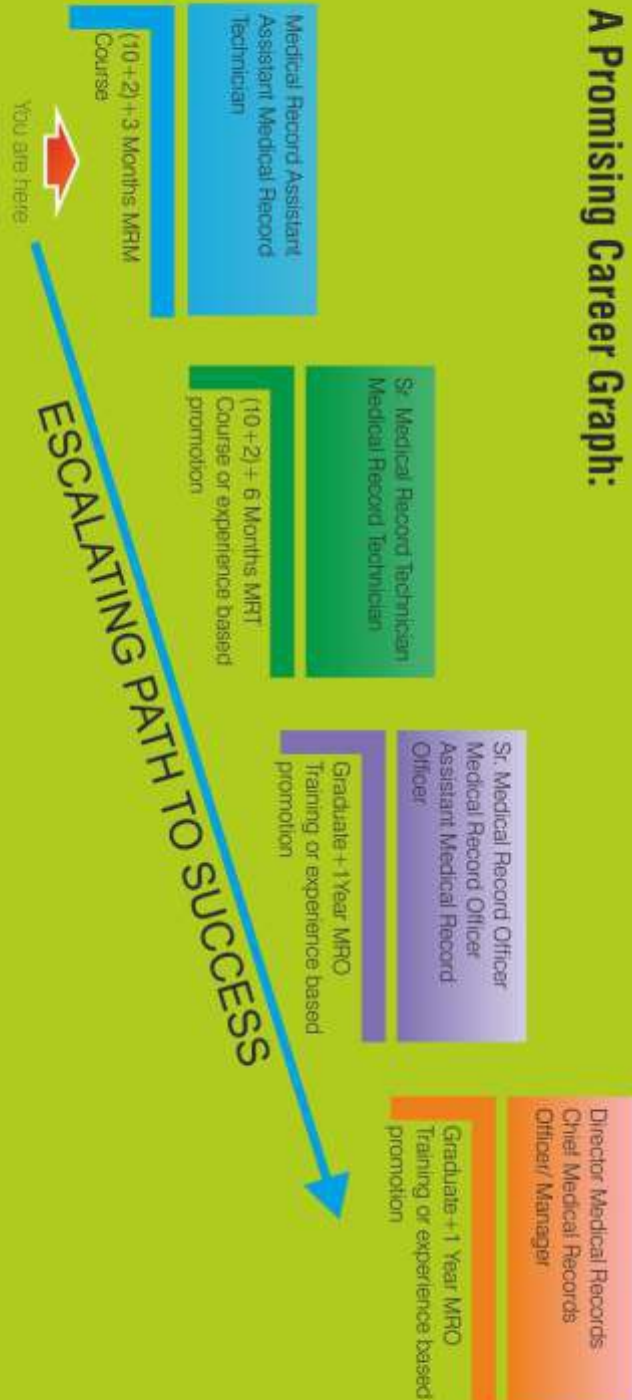
Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.



Value Proposition for the Organization:

- Availability of skilled & trained manpower in place for the maintenance of medical records as per NABH/ Statutory requirements.
- In house capacity to generate qualitative and measurable health statistics for day to day planning and strategizing future expansion of the healthcare organization.
- Access to improved quality of health information generated by the hospital using trained resource for planning and improving efficiency of the healthcare facility.

A Promising Career Graph:



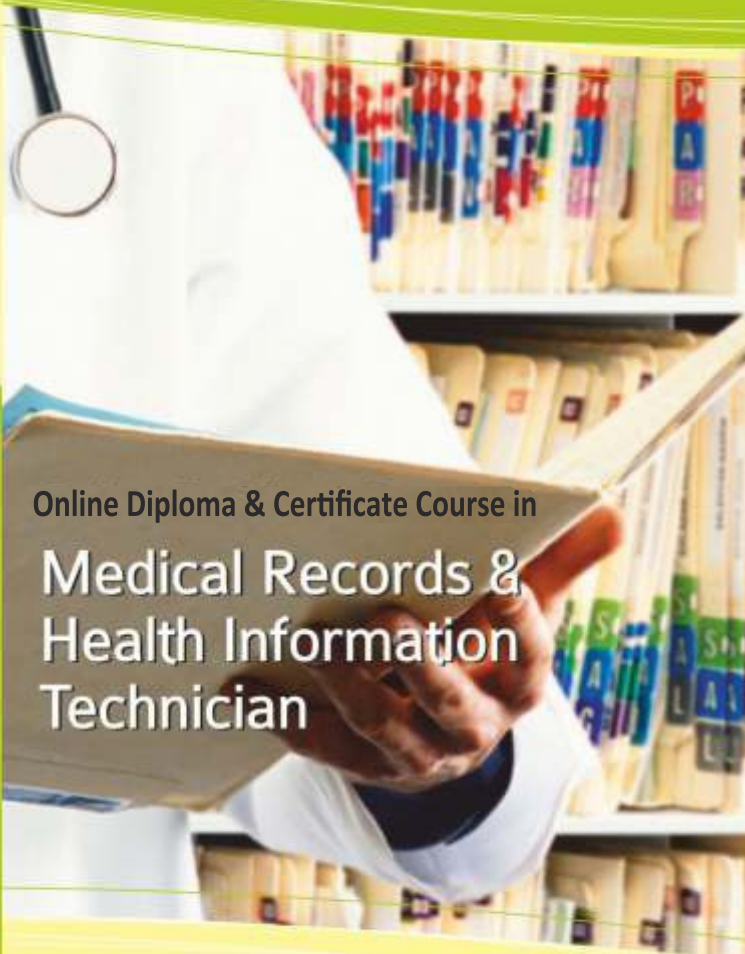
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Online Diploma & Certificate Course in
**Medical Records &
Health Information
Technician**

AIIS offers a distinctive certificate course in Medical Records & Health Information Technician providing the necessary skill and knowledge to successfully manage medical records in healthcare settings.

Course Overview

Medical Records & Health Information Technician (MRHIT) is the science of managing all information related to the operations of a Healthcare Facility. This includes filing and storing patient charts, scanning medical records, ensuring adherence to regulations and retention schedules, and managing the destruction of medical records after their retention period.

This certificate course has been specially tailored for skill enhancement of personnel providing medical record services and for personnel opting to take up medical records management as a career in the field of healthcare.

Learning Objective

To enhance technical skills / work efficiency in the following core areas of health facility management through manual and electronic records:

- Management of inpatient and outpatient medical records.
- Management of inpatient and outpatient department registration services
- Generating hospital statistics including bed occupancy rate, bed turnover rate, average length of stay and cost per patient per bed per day.
- Generating morbidity and mortality statistics by ICD-10 coding of diseases and diagnostic indexing.
- Filing and retrieval of medical records
- Legal aspects of medical records
- Facilitating Medical audit
- Accurate Record Keeping

Eligibility Criteria

Minimum 10+2 pass from central board or any recognized state board.

Course Duration

- 1 Year (online Classes 9 months + 3 months Hospital Training)
- 6 Months (online classes 3 months + 3 months Hospital Training)

Course Content

The course content has been grouped in the following six blocks for execution in three terms of one month each:

Term-1

- Medical Record Science
- Human sciences in relation to Medical Records.

Term-2

- Medical Terminology
- International classification of diseases and related health problems – Medical Coding

Term-3

- Bio-Statistics
- Legal and Ethical aspects of Medical Records.

Each block culminating into a qualifying assignment.

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Course Material: Each student will be provided with the following:

- Soft copy of course content
- Power Point presentations
- Copy of templates used in a hospital setting applicable to medical records.
- Video of group exercises, webinars and live lectures (optional)



Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Certification

Successful candidates will be awarded a certificate by the Astron Institute of International Studies

Who Can Join...?

- Quality Executives
- Nursing professionals
- Para-medical Staff/ Secretarial staff in hospitals
- Medical Records Assistant
- Assistant Medical Records Technician
- Executives from Health Insurance companies,
- IT companies dealing with medical records and coding

Benefits to the Organisation

- * Organisation growth
- * Efficient human recourse management
- * Work efficiently and effectively
- * Improved quality of service provider

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ONLINE DIPLOMA PROGRAM IN MEDICAL TRANSCRIPTION

About AIIS

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Program Overview

Diploma programme in medical transcription has been conceptualized to teach the candidate the basic role of medical transcriptionist within health care setting. This programme has been designed to prepare candidates to learn documentation styles conform to industry standards. Candidates learn to transcribe documents related to all medical specialities.

Medical transcription, also known as MT, is an allied health profession dealing with the process of transcribing voice-recorded medical reports that are dictated by physicians, nurses and other healthcare practitioners. Medical reports can be voice files, notes taken during a lecture, or other spoken material. These are dictated over the phone or uploaded digitally via the Internet or through smart phone apps.

Who is a Medical Transcriptionist

Medical transcription, also known as MT, is an allied health profession dealing with the process of transcribing voice-recorded medical reports that are dictated by physicians, nurses and other healthcare practitioners. Medical reports can be voice files, notes taken during a lecture, or other spoken material. These are dictated over the phone or uploaded digitally via the Internet or through smart phone apps. Medical transcription is part of the healthcare industry that renders and edits doctor dictated reports, procedures, and notes in an electronic format in order to create files representing the treatment history of patients.

Objectives

1. Organized individual with problem-solving and technical skills, looking to secure a position as a Medical transcriptionist specialist.
2. Seeking employment as a Medical transcriptionist Specialist to display exceptional communication, organizational and technical skills.
3. Looking for a Medical transcriptionist Specialist position for an individual with two years of experience and excellent problem-solving and communication skills.

Eligibility Criteria

*Minimum eligibility is 10 + 2 from Central or State board

Program Duration

Duration	Certification
One Year (9 Months Theory Classes and 3 Months Hospital Training)	Astron Institute of International Studies

Contents

- Anatomy And Physiology
- Introduction To Medical Transcription
- Basic of medical transcription
- Transcription tools and equipments
- Medical terminology
- Medical transcription proofreading
- Grammar and punctuation
- Transcription reference guide
- Basic computer
- Infection control

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Career



- STEP 1** Medical transcriber
- STEP 2** Auditor
- STEP 3** Project manager
- STEP 4** Top management

Benefits to the Individual

- Medical transcriptionist and billing is one of the fastest growing health-care professions in the country and is an excellent opportunity for anyone who wants a stable, well-paying career.
- Position yourself to move into a respected, potentially lucrative medical coder role
- Enhanced capacity to lead and supervise teams.

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

Career Path



Value Proposition for the Candidate

- Better Planning, Coordination and Implementation of medical and health services especially Trauma Services.
- Position yourself to move into a respected, potentially lucrative Trauma Nursing role.
- Extensive knowledge on patient care and enhanced leadership and management skills.
- Enhanced capacity to lead and supervise teams.
- Improve overall efficiency and financial effectiveness.

Value Proposition for Organization

- Better management of Trauma nursing services.
- Efficient Human Resource Management.
- Strategic planning and implementation of trauma nursing services.
- Better management of organisation's quality initiatives.
- Improved record maintenance and documentation of nursing services.

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**Online Certificate
 Course
 In
 Trauma Nurse**

About AIIS

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Course Overview

Certificate course in Trauma Nurse offers a unique title in the field of healthcare i.e. Trauma Nurse. This certification has been specially tailored for skill building of a nurse on planning treatment & care of critically ill patients, those requiring emergent treatment and care, follow up injured patients to provide need based care. These nurses are specialized to cater to the treatment of patients with head injuries and those associated with any type of trauma.

Course Duration

- 4 Months (3 months online classes +
- 1 month hospital training)

Eligibility Criteria

- GNM
- B.Sc. Nursing
- Basic Knowledge of Computers

Learning Objectives

- To enhance managerial and technical skills in the field of Trauma.
- To develop critical thinkers who creatively engage in nursing processes to improve healthcare outcomes among injured patients.
- To develop caring and culturally responsive communication and interpersonal skill.
- To develop capabilities for effectively leading interdisciplinary healthcare teams especially trauma cases.
- To understand nursing ethics and by laws.
- To develop effective collaborators to effectively contribute to disease prevention, quality, safety and equality.

Course Contents

The course contents are as follows:-

- Introduction
- Pre-hospital Trauma Care
- Injury Severity Score & Triaging
- Assessment Protocol in Trauma
- Essential Trauma Services: Needs of injured patient
- Types of injury & prevalence - WHO Classification
- Management of Trauma - Elements of Trauma Care
- Damage Control - Guidelines for Essential Trauma Care Management
- Trauma Team & organization of the initial resuscitation
- Role of Individual Member of Trauma Team
- Trauma Nurse & Implications as per NABH

Certification

Successful candidates will be awarded a certificate by the Astron Institute of International Studies

Course Highlights

- Program pedagogy which includes Webinar, Student Faculty Chat by Subject Experts and Project Work.
- Reference subject through E-library.
- Program materials developed by Experts.
- Each block culminating into a qualifying Assignment.
- Credit based teaching outcomes for global application

Evaluation and Grading

Evaluations will collate candidate performance based on Self Assessment, Term End Assessment, completion of Project Work, participation in Webinar, participation in student-faculty chat. Grading will be done based on alphabetical grade point percentage.

