Professional Master's Degree
Primary Care Emergencies for Nursing

tech universidad tecnológica

Professional Master's Degree
Primary Care Emergencies for Nursing

- » Modality:**Online**
- » Duration: **12 months.**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/pk/enfermeria/master/master-urgencias-atencion-primaria-enfermeria**

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01
Introduction

This program is designed to help nurses update their knowledge in primary care emergencies. In addition, it includes systematized action plans for the most frequent emergencies, helping them to make swift and accurate decisions when managing patients with urgent conditions.

> *This program addresses the main aspects of primary care emergencies, so that you will be able to deal with all those situations that occur on a regular basis and that can compromise the patient's life"*

Emergency health care is an essential element in a health system, in which quality and ongoing care for individuals must be guaranteed. Primary care is the gateway to the health system, often receiving patients with potentially serious conditions that require immediate and complex treatment, often accompanied by minimal resources.

Taking into account the large number of hours a day that Primary Care (PC) nurses are available to attend to emergencies; the importance of these, the current demands of patients and of professionals themselves to perform higher quality work, more than justifies the fact that PC nurses today can and should intervene in all emergencies that may arise, regardless of the level of severity.

This Professional Master's Degree includes the rules of action of the main urgent pathological situations that can be found in the practice on a regular basis and will be able to help physicians to make decisions with agility and precision. Its teaching staff includes healthcare professionals from the Primary Care field, who contribute their work experience to this training, as well as renowned emergency physicians and other specialists.

Also, the program counts with the participation of an outstanding international leader in Primary Care Emergency Medicine. This expert, thanks to his extensive experience, gives 10 exclusive Masterclasses, in which the most recent innovations and progress in this particular area will be examined in depth and will allow the graduate to update his knowledge and skills with all the quality guarantees of TECH.

All knowledge is presented through high quality multimedia content, analysis of clinical cases prepared by experts, master classes and video techniques that allow the exchange of knowledge and experience, maintain and update the training level of its members, create protocols for action and disseminate the most important new developments.

This **Professional Master's Degree in Primary Care Emergencies for Nursing** contains the most complete and up-to-date scientific program on the market.
Its most notable features are:

- Developing practical cases presented by experts in Primary Care Emergencies.
- The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- The latest in Primary Care Emergencies.
- Practical exercises where the self-assessment process can be carried out to improve learning.
- Emphasis on innovative methodologies in Primary Care Emergencies.
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- Content that is accessible from any fixed or portable device with an Internet connection.

Take advantage of this unique opportunity and get access to 10 Masterclasses offered by one of the world's leading experts in Primary Care Emergency Medicine".

"This Professional Master's Degree is the best investment you can make in selecting a refresher program to update your knowledge in Primary Care Emergency Medicine."

Increase your decision-making confidence by expanding your knowledge through this master's degree.

We offer you the most up-to-date content, the best teaching methodology, and an innovative interactive video system that will help you in your studies.

The teaching staff includes professionals from the field of nursing, who bring their experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for real-life situations.

This program is designed around Problem-Based Learning, whereby the nurse must try to solve the different professional practice situations that arise throughout the program. For this purpose, the specialist will be assisted by an innovative interactive video system created by renowned experts in the field of Primary Care Emergencies with extensive experience.

02
Objectives

The program's primary objective is focused on theoretical and practical learning, so nurses can master Primary Care Emergencies both practically and rigorously.

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Our goal is to achieve educational excellence and we will help you achieve it too. To this end, we offer you a complete program in Primary Care Emergency Medicine that includes the latest information on coronavirus".

General Objective

- Update the diagnostic and therapeutic procedures for the most frequent urgent and emergency situations that the nurse usually attends to in primary care.

Take the step to get up-to-date on the latest developments in Primary Care Emergencies"

Specific Objectives

Module 1. Organizational Aspects of the Emergency Department
- Define the structure and organization of emergency services in primary care
- Understand the importance of medical records in the emergency department and understand the most relevant legal and ethical aspects of health care in emergencies in primary care
- Understand the role played by health professionals in primary care emergencies

Module 2. Cardiac Emergencies
- Identify the symptoms of the different types of high-risk syncope
- Define the different conditions that cause chest pain and apply the appropriate protocols in each case
- Recognize the different signs and symptoms typical of ischemic heart disease.
- Learn to adequately use comprehensive action plans for the Heart Attack Code
- Apply the specific procedures in acute coronary syndrome and assess the possibility of prehospital fibrinolysis
- Identify the signs and symptoms of patients who come to the primary care center with pericarditis
- Resolve a hypertensive emergency situation using the updated procedure of care

Module 3. Advanced Cardiovascular Support and Invasive Techniques in the

Emergency Room
- Interpret the main signs to properly analyze an electrocardiogram in urgent and emergency situations in primary care
- Use general procedures and techniques applied to critical patients in emergency situations
- Get up-to-date on the therapeutic model in atrial fibrillation according to the latest scientific evidence
- Apply up-to-date basic and advanced CPR techniques for all ages.
- Demonstrate the correct sequence of transcutaneous pacemaker application
- Define proper use of pulse oximetry and capnography devices

Module 4. Pneumological Emergencies
- Incorporate advances in the appropriate management of patients with congestive heart failure and acute pulmonary edema
- Review the basic concepts of non-invasive mechanical ventilation management.
- Correct use of non-invasive mechanical ventilation through the Boussignac CPAP System
- Identify the different vital rhythms to apply the appropriate algorithm for advanced cardiopulmonary resuscitation, according to the latest scientific evidence on advanced cardiovascular support

- Adequately define the different parameters involved in invasive mechanical ventilation
- Get up-to-date on treatment to resolve an acute decompensation in a dyspneic patient
- Recognize the differential diagnosis between the asthmatic patient, bronchospasm, and exacerbation of chronic obstructive pulmonary disease
- Review the pathophysiology involved in an asthmatic crisis
- Use pharmacological treatment measures in pneumonia
- Identify the main clinical signs and symptoms of pneumothorax
- Identify the signs and symptoms of massive pulmonary embolism
- Differentiate the different levels of health care in a patient with hemoptysis and assess the criteria for hospital referral
- Identify the concept of a patient that has almost drowned

Module 5. Neurological Emergencies

- Describe the initial management of the main neurological emergencies in out-of-hospital settings
- Learn to adequately use comprehensive action plans for the stroke code
- Differentiate immediate and appropriate action in acute confusional syndrome, headache and seizures
- Recognize and resolve a seizure situation
- Describe the different types of headaches and the appropriate treatment in each case
- Recognize a coma situation without any doubt

Module 6. Digestive Emergencies

- Identify the signs and symptoms of the main gastrointestinal tract conditions and their repercussions
- Differentiate the main causes of acute abdomen and manage acute abdominal pain in Primary Care
- Review the pathophysiology of an intestinal obstruction process
- Express the different manifestations resulting from biliary diseases
- Recognize the specific pathological picture of upper gastrointestinal bleeding
- Use the different complementary tests to diagnose an ingested foreign body

Module 7. Nephrological and Urologic Emergencies

- Define the diagnostic criteria for acute renal failure
- Use appropriate treatment for acute renal colic
- Resolving an acute urinary retention situation in the Primary Health Care setting
- Identify the signs and symptoms of a patient with rhabdomyolysis
- Assess the criteria for referring a patient with a urinary tract infection

Module 8. Endocrine Emergencies

- Interpret the fundamental alterations of glycemic metabolism
- Apply appropriate measures to reverse a diabetic ketoacidosis situation
- Recognize the semiology of an Addisonian crisis
- Distinguish between hypoglycemia and hyperglycemia, and apply appropriate treatment
- Delve into non-ketotic hyperosmolar comas

Module 9. Ophthalmologic Emergencies

- Explain the main acute ENT and ophthalmologic diseases
- Indicate the appropriate treatment for pink eye
- Use appropriate complementary tests to detect acute vision loss
- Master treatment when an ocular aggression occurs

Module 10. Otolaryngologic Emergencies

- Compare the differences between anterior and posterior epistaxis
- Analyze the different treatments for vertigo
- Delve into sudden deafness and communication with patients

Module 11. Trauma and Neurosurgical Emergencies

- Analyze the different traumatologic conditions in Primary Care emergencies
- Recognize the general guidelines for action in case of upper and lower limb trauma
- Adequate use of the integral plan of action in accordance with the Polytrauma Code
- Differentiate the severity of different spinal injuries

Module 12. Vascular Emergencies

- Identify acute arterial limb ischemia
- Apply treatment in case of deep vein thrombosis
- Interpret the potential severity of venous insufficiency
- Delve into aneurysmal disease and existing treatments

Module 13. Pediatric Emergencies

- Master the procedure of pediatric and neonatal cardiopulmonary resuscitation in the primary care setting

- Identify the different urgencies and emergencies in pediatrics
- Apply treatment for a child having a seizure
- Resolve abdominal pain, vomiting, and diarrhea in children
- Distinguish between the different respiratory tract diseases in children
- Apply the initial treatment measures for traumatized children
- Interpret the possible severity of cranioencephalic trauma in a child
- Identify the criteria for hospital referral in case of limping in children
- Recognize the medical-legal documents and attitudes in situations of child abuse

Module 14. Gynecological Emergencies

- Identify the most common gynecological-obstetric conditions in primary health care and state the precise guidelines in each case to correctly resolve them
- Review the main aspects of childbirth care, previous care, basic techniques of assistance, types of presentations, and dilatation, expulsion and delivery times in the out-of-hospital setting of primary care
- Understand the care protocol for rape victims
- Identify the different drugs in pregnancy and lactation that do not put the patient's health at risk

Module 15. Psychiatric Emergencies

- Define the clinical symptomatology of psychopathologies
- Identify the main signs and analyze the risk of a self-harm attempt

- Adequately resolve a psychomotor agitation crisis
- Indicate the appropriate treatment for alcohol withdrawal syndrome
- Recognize the clinical symptomatology of an anxiety attack and differentiate it from other pathologies

Module 16. Environmental Emergencies
- Manage intoxicated patients and injuries caused by environmental agents
- Discriminate between the different treatments to be applied in case of bites and stings
- Correctly apply treatment in case of electrocution
- Delve into heat stroke and how to act in case of emergency

Module 17. Skin Emergencies
- Differentiate between the different degrees of burns
- Calculate the amount of fluids needed to infuse a burn victim according to the extent and depth of the burn
- Distinguish between the various types of skin infections

Module 18. Skin Emergencies
- Correctly apply hemotherapy in patients with hematological conditions
- Distinguish between the different anticoagulant treatments
- Delve into anemia and how to act in case of emergency
- Identify hemostasis disorders

Module 19. Infectious Emergencies
- Recognize the symptoms and signs of severity in case of acute febrile episode
- Distinguish the differential diagnosis of abdominal pain, vomiting, and diarrhea
- Identify patients with fever due to HIV infection

- Correctly diagnose urinary tract infections

Module 20. Oncologic Emergencies

- Recognize the most common infectious, inflammatory, autoimmune, and tumor diseases in primary care
- Use therapeutic measures for oncology patients with neutropenia
- Identify the different acute complications in chemotherapy treatment
- Master the types of pain and terminal sedation

Module 21. Toxicology Emergencies

- Identify the main immunological emergency pathologies and manage patients suffering from anaphylactic reactions
- Effectively implement initial measures in different types of acute intoxication
- Recognize the manifestations of intoxications by psychotropic drugs, NSAIDs, and digitalis
- Discover the effects of intoxication from drugs and organophosphates

Module 22. Geriatric Emergencies

- Differentiate the pathophysiological characteristics of elderly patients
- Identify the types of pathologies that can affect geriatric patients
- Master the drugs to be administered to geriatric patients according to their needs

Module 23. Pharmacology in Emergencies

- Manage frequently used medication in emergency medicine and urgent care
- Distinguish between the different types of fluid therapy

- Point out the different drugs used for sedation, pain relief, and relaxation in emergency medicine

Module 24. Evidence-Based Nursing

- Master writing scientifically structured articles and publishing results in high impact journals
- Delve into the retrieval of quality, specialized information in health sciences

Module 25. Update on Coronavirus Infections

- Know the microbiological characteristics of coronaviruses.
- Know how to assess the morbidity and mortality of coronavirus infections.
- Identify the main risk groups and mechanisms of coronaviruses.
- Be able to perform the necessary tests for diagnosing Coronavirus.
- Know how to apply the necessary preventive measures, as well as the most accurate treatments according to the type of patient.

Competencies

After passing the evaluations of the Professional Master's Degree in Primary Care Emergencies for Nursing, the professional will have acquired the professional competencies necessary for quality and up-to-date nursing care based on the latest scientific evidence.

Through this program you will learn about the most frequent emergency situations in patients in the Primary Care setting, and you will be able to perform interventions and provide appropriate nursing care in each case".

General Skills

- Possess and understand knowledge that provides a basis or opportunity to be original when developing and/or applying ideas, often in a research context.

- Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study.

- Integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities related to the application of their knowledge and judgments.

- Know how to communicate conclusions, knowledge, and supporting arguments to specialized and non-specialized audiences in a clear and unambiguous way.

- Acquire study skills that will enable further study in a largely self-directed or autonomous manner

Specific Skills

- Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team

- Recognize the need to maintain your professional skills and keep them up to date, with special emphasis on autonomous and continuous learning of new information.

- Develop the capacity for critical analysis and research in your professional field

- Use theoretical concepts and nursing knowledge for problem solving and decision-making in patient care in critical and emergency situations in Primary Care

- Relate the main aspects of research for comprehensive patient care in emergency and urgent care

- Understand the concept of continuity of care and the devices and protocols established to guarantee it

- Understand the basic functioning of the Health System, in order to be able to refer and transfer a patient to other areas of specialization according to suitability criteria. Recognize vital emergencies and apply measures to solve them in Primary Care

- Skillfully use the most commonly used treatment and diagnostic techniques in outof-hospital emergencies

- Assume duties in the field of critical and emergency care in primary care

- Adapt their decision-making to the current situation, environment, time, and available resources

- Work with patients that have been diagnosed with or present symptoms of Coronavirus, complying with all safety measures.

- Perform diagnostic tests to detect possible cases of Coronavirus.

Seize the opportunity and take the step to get up to date on the latest developments in Primary Patient Care in Emergency Situations"

04
Course Management

The program includes in its teaching staff reference Postgraduate Diploma in Primary Care Emergencies, who pour into this training the experience of their work. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.

"
Leading professionals in the field have come together to teach you the latest advances Primary Care Emergencies"

International Guest Director

As National Director of Clinical Innovation at US Acute Care Solutions, Jesse M. Pines, M.D., is one of the most recognized figures in the field of Emergency Medicine and Healthcare Services. In fact, among his accomplishments is the creation and implementation of the first governmental alternative payment model (ED EQUIP, in Maryland) to reduce the total cost of care. In addition, it leads the development and implementation of Telemedicine programs covering a wide range of specialties, including Emergency, Psychiatry and Intensive Care Units, among others.

His extensive experience in medical leadership, large database study design and Big Data research has led him to publish over 350 peer-reviewed articles and writing seven books in these areas. His work has been recognized internationally in different renowned media, including TIME Magazine, the Wall Street Journal and Slate Magazine.

His more than two decades of experience have earned him several leadership positions at George Washington University. Among them, he is the Director of the Center for Health Innovation and Research, also leading the Research Fellowship program and the Center for Healthcare Quality.

Thus, throughout his career, Dr. Jesse M. Pines has received multiple awards, both for the articles he has published and for his own work and contribution to the field of Emergency Medicine. He is also the Chair of the American College of Emergency Physicians (ACEP) New Practice Models Task Force, holding various positions in ACEP, the Society for Academic Emergency Medicine and the American Academy of Emergency Medicine.

Dr. Jesse M. Pines

- National Director of Clinical Innovation, US Acute Care Solutions, USA
- Allegheny Health Network Emergency Physician
- Professor of Emergency Medicine at The George Washington University
- Professor of Emergency Medicine at Drexel University
- Director of the Medical Research Fellowship Program at George Washington University.
- Director of the Center for Health Innovation and Research at George Washington University
- Doctor of Medicine from Georgetown University
- Master's Degree in Business Administration, Georgetown University
- Master's Degree in Clinical Epidemiology from the University of Pennsylvania.

Thanks to TECH you will be able to learn with the best professionals in the world"

International Guest Director

Barbara Maliszewski is an outstanding leader in the field of nursing, with extensive experience and an impressive track record in emergency healthcare management. In fact, her tireless work has led her to continually strive for quality improvement in hospital emergency departments.

She has held roles as Senior Director of Nursing at Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center. In this role, she has strategically coordinated the Emergency and Critical Care Transport departments, implementing initiatives that optimize operations and oversee nursing practices. As such, she has been instrumental in developing and implementing programs of excellence in these services, as well as overseeing staff performance management.

In addition to her professional work, Barbara Maliszewski has dedicated her time and effort to collaborate with various associations, including the Emergency Nurses Association, whose primary mission is to promote excellence in Emergency Nursing worldwide. She has also helped to promote the highest standards of quality care and treatment for emergency patients.

Throughout her career, Barbara Maliszewski has been recognized for her professional excellence and contribution to nursing research. In fact, she has participated in numerous presentations and published in renowned nursing journals, addressing key topics such as quality in the emergency department and sex trafficking detection in clinical settings. In addition, her work has had a significant impact on Nursing practice and has contributed to the advancement of emergency medical care internationally.

Dr. Maliszewski, Barbara

- Senior Director of Nursing at Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center
- Deputy Director of Nursing at Johns Hopkins Bayview Medical Center, Department of Emergency Medicine and Critical Care Transport
- Nurse Practitioner at Johns Hopkins Bayview Medical Center, Department of Surgery Journal of Clinical Nursing Reviewer
- Master of Science in Nursing, Towson University Bachelor of Science in Nursing from the University of Maryland
- Member of: Emergency Nurses Association

"Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Dr. Francisco Vicente Roig D'Cunha-Kamath

- Hospital Emergency Physician at the Clinical University Hospital of Valencia.
- Assistant Physician in the Emergency Medicine Department at Valencia Clinical University Hospital
- Physician at the from Valencia Health and Community Foundation.
- Professor of Human Anatomy in the European University of Valencia.
- Doctor for the ASCIRES group
- Degree in Medicine from the University of Valencia
- Specialist via MIR in Family and Community Medicine

Professors

Ms. Ana Forés Rivas

- Nurse in the Health and Community Foundation
- Member of the Intensive Care Unit of the Doctor Peset University Hospital
- Technical Labjoratory Specialist
- Postgraduate Certificate in Nursing
- Diploma in Business Nursing
- Professional Master's Degree in Prevention and Treatment of Addictive Behaviors
- Postgraduate Diploma in Pedagogical Aptitude (CAP)

Dr. José Vicente Brasó Aznar

- Chief of Section of the Emergency Medicine Service at the la Ribera University Hospital..
- Hospital Emergency Physician
- Associate Professor of Emergency Medicine in the Faculty of Medicine of the University of Valencia

Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers and universities, aware of the importance of innovative education, and committed to quality teaching through new educational technologies.

A comprehensive teaching program, structured in well-developed teaching units, oriented towards efficient and swift learning. Additionally, the program includes the latest scientific evidence in the diagnosis and treatment of Coronavirus"

Module 1. Organizational Aspects of the Emergency Department

1.1. Organization of the Emergency Department in Primary Care. Adequate Stocking of First Aid Kits
1.2. Role of the Healthcare Professional in Primary Care Emergencies
1.3. Medicolegal Management Issues in Primary Care Emergency Departments

Module 2. Cardiac Emergencies

2.1. Workshop: Reading and Interpreting an Electrocardiogram
2.2. Syncope
2.3. Acute Chest Pain.
2.4. Acute Coronary Syndrome:
    2.4.1. Non-ST-Elevation Acute Coronary Syndrome (NSTEACS)
    2.4.2. ST-Elevation Acute Coronary Syndrome (STEACS)
    2.4.3. The Heart Attack Code
2.5. Atrial Fibrillation
2.6. Pericarditis
2.7. Hypertensive Crisis
2.8. Acute Heart Failure.
2.9. Acute Pulmonary Edema
2.10. Shock
2.11. Positive Ventilation Workshop: Boussignac CPAP

Module 3. Advanced Cardiovascular Support and Invasive Techniques in the Emergency Room

3.1. Basic Vital Support:
    3.1.1. Basic Life Support with Automatic External Defibrillator.
    3.1.2. Foreign Object Airway Obstruction.
3.2. Action in Response to Bradyarrhythmias.
3.3. Action in Response to Tachyarrhythmias.
3.4. Advanced Vital Support:
    3.4.1. Advanced Airway Management.
    3.4.2. Arrhythmia Treatment.

3.4.3.   Infusion Routes and Drugs.

3.4.4.   Rapid Intubation Sequence Workshop

3.5.   Invasive Procedures and Techniques in the Emergency Department:

3.5.1.   External Pacemaker

3.5.2.   Electrical Cardioversion

3.5.3.   Defibrillation in Emergencies

3.6.   Workshop: Echoscopy Management in the Emergency Department

3.7.   Basic and Advanced Pediatric Life Support:

3.7.1.   Basic Pediatric Life Support

3.7.2.   Airway and Ventilation in Pediatrics.

3.7.3.   Infusion Routes and Drugs, Diagnosis and Treatment of Arrhythmias.

3.7.4.   Neonatal Resuscitation.

Module 4. Pneumological Emergencies

4.1.   Acute Dyspnea

4.2.   Acute Chronic Obstructive Pulmonary Disease (COPD)

4.3.   Acute Bronchial Asthma

4.4.   Pneumonia

4.5.   Pneumothorax

4.6.   Pulmonary Thromboembolism (PTE)

4.7.   Hemoptysis.

4.8.   Workshop: Non-Invasive Mechanical Ventilation BiPap

Module 5. Neurological Emergencies

5.1.   Acute Confusional Syndrome

5.2.   Stroke

5.3.   Seizures.

5.4.   Headaches

5.5.   Central Nervous System (CNS) Infections.

5.6.   Coma.

Module 6. Digestive Emergencies

6.1.   Acute Abdominal Pain

6.2.   Intestinal Obstruction

6.3.   Acute Gastroenteritis.

6.4.   Acute Pancreatitis

6.5.   Acute Biliary Disease

6.6.   Acute Gastrointestinal Bleeding.

6.7.   Proctology Emergencies

Module 7. Nephrological and Urologic Emergencies

7.1.   Acute Kidney Failure

7.2.   Acute Urinary Retention

7.3.   Renal Colic

7.4.   Acute Scrotum

7.5.   Rhabdomyolysis

Module 8. Endocrine Emergencies

8.1.   Hyperglycemia

8.1.1.   Diabetic ketoacidosis

8.1.2.   Hyperosmolar Nonketotic Coma

8.2.   Hypoglycemia

8.3.   Addisonian Crisis

8.4.   Other Endocrine Emergencies

Module 9. Ophthalmologic Emergencies

9.1.   Eyelid and Lacrimal System Diseases

9.2.   Pink Eye

9.3.   Sudden Loss of Vision.

9.4.   Eye Injuries.

Module 10.

10.1.   Infectious Processes in ENT

10.2.   Foreign Objects in ENT.

10.3. Epistaxis.

10.4. Vertigo.

10.5. Sudden Loss of Hearing.

Module 11. Trauma and Neurosurgical Emergencies

11.1. Lower Back Pain and Lumbosciatica

11.2. Trauma. General Aspects

11.3. Lower Extremity Trauma

11.4. Upper Extremity Trauma

11.5. Body and Head Trauma

11.6. Cranioencephalic Trauma. Skull Fractures and Contusions

11.7. Thoracic Trauma. Rib Fractures and Contusions

11.8. Vertebral Fractures and Contusions

11.9. Cerebral Hemorrhage

11.10. Spinal Cord Injury

11.11. Out-of-Hospital Major Trauma Care. Polytrauma Code

11.12. Injuries and Burns

11.13. Workshop on Mobilization and Immobilization of Trauma Patients

11.14. Workshop on Functional Bandages

11.15. Plaster Workshop

11.16. Acute and Chronic Wound Care Workshop

11.17. Suture Workshop

Module 12. Vascular Emergencies

12.1. Acute Limb Ischemia

12.2. Deep Vein Thrombosis

12.3. Venous Insufficiency

12.4. Aneurysmal Disease

Module 13. Pediatric Emergencies

13.1. Acute Febrile Episode

13.2. Febrile Seizures

13.3. Abdominal Pain

13.4. Gastrointestinal Disorders

13.5. Airway Diseases

13.6. Acute Headache

13.7. Child Abuse.

13.8. Limping

13.9. Initial Care for Pediatric Polytrauma Patients

Module 14. Gynecological Emergencies

14.1. Gynecological Emergencies

14.1.1. Gynecological Abdominal Pain

14.1.2. Vulvovaginal Infectious Disease

14.2. Pregnancy and Postpartum Emergencies:

14.2.1. Genital Bleeding

14.2.2. Hypertensive Emergencies in Pregnancy

14.2.3. Drugs in Pregnancy and Lactation

14.3. Protocol for Rape Victim Care

14.4. Birth

Module 15. Psychiatric Emergencies

15.1. Psychotic Symptomatology. Hallucinations

15.2. Suicidal Crisis Intervention

15.3. Behavioral Disorders. Psychomotor Agitation.

15.4. Alcohol Withdrawal Syndrome

15.5. Neuroleptic Malignant Syndrome.

15.6. Anxiety Attack. Panic Attack

15.7. Workshop: Mechanical Restraint of an Agitated Patient

Module 16. Environmental Emergencies

16.1. Heat Illness

16.2. Bites and Stings.

16.3. Anaphylaxis.

16.4. Electrocution.

16.5. Dysbarism.

Module 17. Skin Emergencies

17.1.   Hypersensitivity Lesions
17.2.   Skin Infections
17.3.   Skin Emergencies

Module 18. Skin Emergencies

18.1.   Anemia Syndrome in the Emergency Department
18.2.   Hemotherapy.
18.3.   Thrombopenia. Hemostasis Disorders.
18.4.   Anticoagulation and Thromboprophylaxis.

Module 19. Infectious Emergencies

19.1.   Risk Exposure and Exposure to Potentially Contaminating Material. EVE CODE
19.2.   Fever in H.I.V. Infected Patients
19.3.   Fever of Unknown Origin
19.4.   Urinary Tract Infections
19.5.   Fever and Rash

Module 20. Oncologic Emergencies

20.1.   Basic Management of Patients with Oncologic Emergencies
20.2.   Febrile Syndrome in Oncologic Patients (Special Attention to Febrile Neutropenia).
20.3.   Pain and Terminal Sedation
    20.3.1.   Types of Pain
    20.3.2.   Pain Treatment
    20.3.3.   Terminal Sedation
20.4.   Acute Complications of Chemotherapy Treatment

(UpToDate), Databases (PubMed, Cinahl) and *Clearinghouse* of Clinical Practice Guidelines

24.1.2.   Design of Search Strategies with Subject Headings (MeSH), Free Language Terms and Boolean Operator Algebra. PICO Questions (Patient, Intervention, Comparison, Outcome)

24.1.3.   Refinement of Search Results: Methodological Filters.

24.1.4.   Creating Bibliographic Alerts

24.2.   Bibliographic Reference Management

24.2.1.   Importing References Directly from Databases (PubMed, Cinahl)

24.2.2.   PDF Metadata Extraction

24.2.3.   Use of Tags or Metatags to Classify the Bibliography

24.2.4.   Including References in the Text (Word). Vancouver Style.

24.2.5.   Cloud Search Salvage

24.3.   Critical Reading on Outcomes Research

24.3.1.   Quantitative Research Designs (Observational, Quasi-Experimental, Experimental). Data Interpretation and Techniques for Controlling Reliability, Validity, and Scientific Accuracy.

24.3.2.   Qualitative Research Designs and Identification of the Social and Cultural Components of Health and Illness. Individual Results and Populations. Clinical, Economic, and Satisfaction Results

24.3.3.   Instruments for Critical Reading: AGREE Instrument.

24.4.   Writing Articles with Scientific Structure and Publishing Results in High Impact Journals

24.4.1.   Standardized Structure of a Scientific Article

24.4.2.   Open Access Policy and Protocol for Publishing an Article

24.4.3.   Digital Autonomy in Public Participation (Blogs and Social Networks). Digital Identity and Privacy on the Web

24.4.4.   Intellectual Property: Licenses and Symbols that Reflect the Attribution and Recognition of the Authorship of Works in Different Media: Text, Images, and Videos

Module 25. Update on Coronavirus Infections

25.1.   Discovery and Evolution of Coronaviruses.

25.1.1.   Discovery of Coronaviruses.

25.1.2.   Global Trends in Coronavirus Infections.

25.2.   Main Microbiological Characteristics and Members of the Coronavirus Family.

25.2.1.   General Microbiological Characteristics of Coronaviruses.

25.2.2.   Viral Genome.

25.2.3.   Principal Virulence Factors.

25.3.   Epidemiological Changes in Coronavirus Infections since its Discovery to Present Day

25.3.1.   Morbidity and Mortality of Coronavirus Infections from their Emergence to the Present.

25.4.   The Immune System and Coronavirus Infections.

25.4.1.   Immunological Mechanisms Involved in the Immune Response to Coronaviruses

25.4.2.   Cytokine Storm in Coronavirus Infections and Immunopathology.

25.4.3.   Modulation of the Immune System in Coronavirus Infections.

25.5.   Pathogenesis and Pathophysiology of Coronavirus Infections.

25.5.1.   Pathophysiological and Pathogenic Alterations in Coronavirus Infections.

25.5.2.   Clinical Implications of the Main Pathophysiological Alterations

25.6.   Risk Groups and Transmission Mechanisms of Coronaviruses.

25.6.1.   Main Sociodemographic and Epidemiological Characteristics of Risk Groups Affected by Coronavirus.

25.6.2.   Coronavirus Mechanisms of Transmission.

25.7.   Natural History of Coronavirus Infections.

25.7.1.   Stages of Coronavirus Infection.

25.8.   Latest Information on Microbiological Diagnosis of Coronavirus Infections.

25.8.1.   Sample Collection and Shipment.

25.8.2.   PCR and Sequencing.

25.8.3.   Serology Testing.

25.8.4.   Virus Isolation.

25.9.   Current Biosafety Measures in Microbiology Laboratories for Coronavirus Sample Handling.

25.9.1.   Biosafety Measures for Coronavirus Sample Handling.

25.10. Up-to-Date Management of Coronavirus Infections.

25.10.1. Prevention Measures.

25.10.2. Symptomatic Treatment.

25.10.3. Antiviral and Antimicrobial Treatment in Coronavirus Infections.

25.10.4. Treatment of Severe Clinical Forms.

Methodology

This program offers students a different way of learning. Our methodology uses a cyclical learning approach: **_Relearning_**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **_New England Journal of Medicine_** have considered it to be one of the most effective.

"

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.

> *Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.*

The effectiveness of the method is justified by four fundamental

1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.

2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

The nurse will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have prepared more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.

Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you want.

Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

20%

15%

15%

3%

20%

17%

3%

7%

Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of achieving their goals.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.

Certificate

The Professional Master's Degree in Primary Care Emergencies for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Professional Master's Degree issued by TECH Technological University.
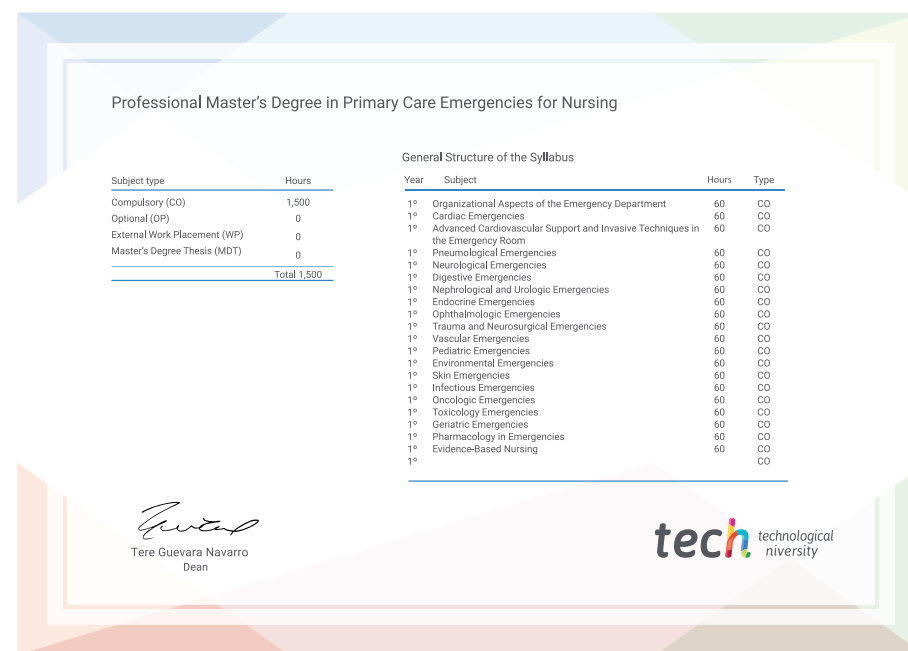
Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Professional Master's Degree in Primary Care Emergencies for Nursing** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Professional Master's Degre** diploma issued by **TECH Technological University via tracked delivery**.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Professional Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Professional Master's Degree in Primary Care Emergencies for Nursing**

Official Nº of Hours: **1,500 hours.**

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tech technological university

Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____ .
For having successfully passed and accredited the following program

PROFESSIONAL MASTER'S DEGREE

in

Primary Care Emergencies for Nursing

This is a qualification awarded by this University, equivalent to 1,500 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018 .

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.U   nique TECH Code: AFWORD23S   techtitute.com/certificates

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Professional Master's Degree in Primary Care Emergencies for Nursing

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
Total	1,500

General Structure of the Syllabus

Year	Subject	Hours	Type
1º	Organizational Aspects of the Emergency Department	60	CO
1º	Cardiac Emergencies	60	CO
1º	Advanced Cardiovascular Support and Invasive Techniques in the Emergency Room	60	CO
1º	Pneumological Emergencies	60	CO
1º	Neurological Emergencies	60	CO
1º	Digestive Emergencies	60	CO
1º	Nephrological and Urologic Emergencies	60	CO
1º	Endocrine Emergencies	60	CO
1º	Ophthalmologic Emergencies	60	CO
1º	Trauma and Neurosurgical Emergencies	60	CO
1º	Vascular Emergencies	60	CO
1º	Pediatric Emergencies	60	CO
1º	Environmental Emergencies	60	CO
1º	Skin Emergencies	60	CO
1º	Infectious Emergencies	60	CO
1º	Oncologic Emergencies	60	CO
1º	Toxicology Emergencies	60	CO
1º	Geriatric Emergencies	60	CO
1º	Pharmacology in Emergencies	60	CO
1º	Evidence-Based Nursing		CO

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Dean

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*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

tech universidad tecnológica

Professional Master's Degree
Primary Care Emergencies for Nursing

- » Modality:**Online**
- » Duration: **12 months.**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**

Professional Master's Degree
Primary Care Emergencies for Nursing

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