

Master's Degree Vaccines in Nursing

TECH is a member of:



tech global
university



Master's Degree Vaccines in Nursing

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Accreditation: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitude.com/us/nursing/master-degree/master-vaccines-nursing

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01

Introduction to the Program

Vaccines have revolutionized public health by preventing diseases and saving millions of lives worldwide. In the field of Nursing, specialization in immunization is key to ensuring the safety, efficacy, and proper administration of vaccines across different populations. According to the World Health Organization, vaccination prevents between 3.5 and 5 million deaths each year, making it one of the most effective interventions in the history of medicine. In light of the rise of new biotechnological advancements and the need for more efficient immunization strategies, TECH Global University offers an innovative university program focused on vaccine processes in Nursing. Additionally, it is delivered in a convenient, fully online format.



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With this 100% online Master's Degree, you will efficiently manage multiple vaccination programs, optimizing their implementation in the healthcare setting”

Vaccination is one of the greatest advancements in public health and a fundamental pillar in disease prevention. In fact, the World Health Organization warns that vaccine hesitancy is one of the main threats to global health, emphasizing the importance of having highly trained professionals in this field. In this context, specialists must update their knowledge to ensure safe, effective administration based on the best available scientific evidence.

Recognizing this need, TECH introduces the Master's Degree in Vaccines in Nursing, a university qualification designed to equip professionals with the most advanced tools in immunization. Through an updated, multidisciplinary approach, this academic opportunity covers everything from the composition and mechanisms of vaccines to strategies for increasing coverage across various populations. It also incorporates the latest advancements in mRNA vaccines, immunization in patients with complex conditions, and epidemiological control of outbreaks. The training will also include specific modules on vaccination communication, addressing how to counter misinformation and enhance public trust in immunizations.

Moreover, this university program has been designed to meet the needs of working professionals. Thanks to its innovative 100% online learning model, graduates will be able to progress at their own pace, with access to the latest studies and international recommendations. Additionally, the Relearning methodology is employed, optimizing knowledge retention through the strategic repetition of key concepts.

In this way, graduates will be prepared to play a key role in planning and managing vaccination programs, promoting prevention and public health with the utmost scientific rigor. A unique academic qualification that will make a difference in the careers of nursing professionals and in the protection of society.

This **Master's Degree in Vaccines in Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Vaccines in Nursing
- ♦ 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
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Vaccines in Nursing
- ♦ 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



You will implement vaccination policies that ensure compliance with health protocols, guaranteeing the effectiveness of immunization campaigns"

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You will design vaccination protocols based on scientific evidence, ensuring safe and effective administration across different populations”

You will acquire advanced knowledge in immunization, including the development and mechanisms of action of vaccines.

Thanks to the Relearning system used by TECH, you will reduce the long hours of study and memorization.

The teaching staff includes professionals from the field of Vaccines in Nursing, who bring their work experience to this program, alongside 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 student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.



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*Study at the largest online university in the world and ensure your professional success.
The future begins at TECH”*

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

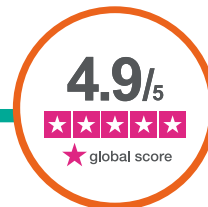
Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

The syllabus of this university qualification covers both the fundamental and advanced aspects of immunization, from its scientific foundations to its application across different population groups. Through specialized modules, the program delves into the epidemiology of vaccination, administration procedures, and both routine and non-routine vaccines. It also addresses nursing methodologies in this field, with particular attention to vaccination in adults, children, and special situations. Finally, the program explores advancements in biotechnology and the future of vaccines, preparing professionals to lead immunization efforts with rigor and constant updating.





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You will master the management and preservation of vaccines, ensuring their efficacy in administration”

Module 1. Fundamentals of Immunization

- 1.1. History and Milestones of Vaccination
 - 1.1.1. Most Important Vaccination Milestones
- 1.2. Fundamentals and Immunological Basis of Vaccines
- 1.3. Vaccine Production Technologies
- 1.4. Vaccine Safety
 - 1.4.1. Features for Safe Vaccination
- 1.5. Pharmacovigilance in Vaccines
 - 1.5.1. Vaccine Surveillance Network
- 1.6. Vaccine Development
- 1.7. Vaccine Adjuvants and Other Compounds
 - 1.7.1. Types of Adjuvant Vaccines
 - 1.7.2. Vaccine Stabilizers
- 1.8. Vaccine Response
- 1.9. Post-vaccination Markers
 - 1.9.1. Types of Vaccine Markers
 - 1.9.2. Interpretation of Vaccine Markers

Module 2. Epidemiology of Immunization

- 2.1. Application of Epidemiology. Causality
 - 2.1.1. Koch-Henle Model
 - 2.1.2. Bradford-Hill Model
 - 2.1.3. Rothman Model
 - 2.1.4. Hume Model
- 2.2. Epidemiological Surveillance
 - 2.2.1. RENAVE. Vaccine Surveillance Network
 - 2.2.2. Sentinel Physicians
 - 2.2.3. Mandatory Disease Reporting
- 2.3. Transmissible Diseases
 - 2.3.1. Most Prevalent Communicable Diseases
 - 2.3.2. Transmissible Digestive Transmitted Diseases
 - 2.3.3. Transmissible Diseases Transmitted Through Contact

- 2.4. Epidemiological Chain in Transmissible Diseases
 - 2.4.1. Stages Within the Epidemiological Chain
- 2.5. Epidemiological Health Surveys
 - 2.5.1. Design of Epidemiological Surveys
 - 2.5.2. Seroprevalence Surveys
- 2.6. Epidemic Curves
 - 2.6.1. How to Design Epidemic Curves?
- 2.7. Theoretical Explanatory Models of Health
 - 2.7.1. Applications of Health Models
- 2.8. Health Determinants
 - 2.8.1. How Do the Determinants of Health Affect the Population?

Module 3. The Vaccine Process

- 3.1. Basic Aspects of Vaccination
 - 3.1.1. What Is the Vaccination Process?
- 3.2. Legal Aspects of Vaccination
 - 3.2.1. Institutions Involved in the Vaccination Process
- 3.3. Transport and Storage of Vaccines
 - 3.3.1. Cold Chain
 - 3.3.2. Elements Involved in the Transport and Conservation of Vaccines
- 3.4. Vaccine Classification
 - 3.4.1. Types of Vaccine Classification
 - 3.4.2. Viral and Bacterial Vaccines
 - 3.4.3. Attenuated and Inactivated Vaccines
- 3.5. Routine Vaccines
 - 3.5.1. What Are Routine Vaccines?
 - 3.5.2. Vaccines Included in Routine Immunizations
- 3.6. Non-routine Vaccines
 - 3.6.1. What Are Non-Routine Vaccines?
 - 3.6.2. Vaccines Included in Non-routine Vaccination
- 3.7. Vaccine Safety

- 3.8. Vaccine Administration and Registration
 - 3.8.1. Process of Vaccine Registration
 - 3.8.2. Process of Vaccine Administration
- 3.9. Co-Administration of Vaccines and Other Biological Products
 - 3.9.1. Vaccination Intervals Between Vaccines and Other Biological Products
 - 3.9.2. Vaccination Intervals Between Vaccines and Between Doses of the Same Vaccine
- 3.10. Vaccination Routes
 - 3.10.1. Different Existing Vaccination Routes
- 3.11. Contraindications and Adverse Effects of Vaccines
 - 3.11.1. False Contraindications in Vaccines
 - 3.11.2. Relative Contraindications in Vaccination
 - 3.11.3. Absolute Contraindications in Vaccination
 - 3.11.4. Most Frequent Adverse Effects in Vaccination
- 3.12. Vaccination Emergencies
 - 3.12.1. Possible Emergencies in the Vaccination Process
 - 3.12.2. Nursing Action in the Event of an Emergency During Vaccination

Module 4. Routine Vaccines

- 4.1. Diphtheria-Tetanus-Pertussis Vaccine
 - 4.1.1. Disease Characteristics
 - 4.1.2. Types of Existing Vaccines
 - 4.1.3. Vaccination Guidelines
- 4.2. Polio Vaccine
 - 4.2.1. Disease Characteristics
 - 4.2.2. Types of Existing Vaccines
 - 4.2.3. Vaccination Guidelines
- 4.3. *Haemophilus Influenzae* Type B Vaccine
 - 4.3.1. Disease Characteristics
 - 4.3.2. Types of Existing Vaccines
 - 4.3.3. Vaccination Guidelines
- 4.4. Hepatitis B Vaccinations
 - 4.4.1. Disease Characteristics
 - 4.4.2. Types of Existing Vaccines
 - 4.4.3. Vaccination Guidelines
- 4.5. Meningococcal ACWY Vaccine
 - 4.5.1. Disease Characteristics
 - 4.5.2. Types of Existing Vaccines
 - 4.5.3. Vaccination Guidelines
- 4.6. Pneumococcal Vaccine
 - 4.6.1. Disease Characteristics
 - 4.6.2. Types of Existing Vaccines
 - 4.6.3. Vaccination Guidelines
- 4.7. Measles, Rubella and Mumps Vaccination
 - 4.7.1. Disease Characteristics
 - 4.7.2. Types of Existing Vaccines
 - 4.7.3. Vaccination Guidelines
- 4.8. Influenza Vaccine
 - 4.8.1. Disease Characteristics
 - 4.8.2. Types of Existing Vaccines
 - 4.8.3. Vaccination Guidelines
- 4.9. Varicella Vaccine
 - 4.9.1. Disease Characteristics
 - 4.9.2. Types of Existing Vaccines
 - 4.9.3. Vaccination Guidelines
- 4.10. Human Papillomavirus Vaccine
 - 4.10.1. Disease Characteristics
 - 4.10.2. Types of Existing Vaccines
 - 4.10.3. Vaccination Guidelines

Module 5. Non-Routine Vaccines-Not Funded

- 5.1. Allergy Vaccines
 - 5.1.1. Disease Characteristics
 - 5.1.2. Types of Existing Vaccines
 - 5.1.3. Vaccination Guidelines
- 5.2. Hepatitis A Vaccine
 - 5.2.1. Disease Characteristics
 - 5.2.2. Types of Existing Vaccines
 - 5.2.3. Vaccination Guidelines
- 5.3. Rabies Vaccine
 - 5.3.1. Disease Characteristics
 - 5.3.2. Types of Existing Vaccines
 - 5.3.3. Vaccination Guidelines
- 5.4. Rotavirus Vaccine
 - 5.4.1. Disease Characteristics
 - 5.4.2. Types of Existing Vaccines
 - 5.4.3. Vaccination Guidelines
- 5.5. Japanese Encephalitis Vaccine
 - 5.5.1. Disease Characteristics
 - 5.5.2. Types of Existing Vaccines
 - 5.5.3. Vaccination Guidelines
- 5.6. Yellow Fever Vaccine
 - 5.6.1. Disease Characteristics
 - 5.6.2. Types of Existing Vaccines
 - 5.6.3. Vaccination Guidelines
- 5.7. Typhoid Fever Vaccine
 - 5.7.1. Disease Characteristics
 - 5.7.2. Types of Existing Vaccines
 - 5.7.3. Vaccination Guidelines

- 5.8. Cholera Vaccine
 - 5.8.1. Disease Characteristics
 - 5.8.2. Types of Existing Vaccines
 - 5.8.3. Vaccination Guidelines
- 5.9. Tuberculosis Vaccine
 - 5.9.1. Disease Characteristics
 - 5.9.2. Types of Existing Vaccines
 - 5.9.3. Vaccination Guidelines
- 5.10. Meningococcal B Vaccine
 - 5.10.1. Disease Characteristics
 - 5.10.2. Types of Existing Vaccines
 - 5.10.3. Vaccination Guidelines

Module 6. Nursing Methodology in Vaccines

- 6.1. History of Nursing in Immunization
- 6.2. The Nursing Care Process
 - 6.2.1. Stages Within the Nursing Care Process
- 6.3. Vaccination Within the Nursing Process (NP)
- 6.4. Most Commonly Used Nursing Diagnoses in Vaccination
 - 6.4.1. Most Common NANDA Diagnoses in the Vaccination Process
- 6.5. Nursing Interventions in the Vaccination Process
 - 6.5.1. Most Frequent NIC Used in the Vaccination Process
- 6.6. Existing Types of Prevention and Application in the Vaccination Process
 - 6.6.1. Primary Prevention in the Vaccination Process
 - 6.6.2. Secondary Prevention in the Vaccination Process
 - 6.6.3. Tertiary Prevention in the Vaccination Process
 - 6.6.4. Quaternary Prevention in the Vaccination Process
- 6.7. Immunization in Nursing Specialization
- 6.8. Nursing Update on Immunization

Module 7. Adult Vaccination

- 7.1. Adult Immunization Schedules
 - 7.1.1. Characteristics of a Vaccination Schedule
 - 7.1.2. Vaccination Schedules in the Adult Population
- 7.2. Vaccines From 19 to 64 Years Old
 - 7.2.1. Recommended Vaccines in Adult Population Between 19-64 Years Old
- 7.3. Vaccination > 64 Years
 - 7.3.1. Recommended Vaccines in Adults Older Than 64 Years of Age
- 7.4. Vaccination of Pregnant Women
 - 7.4.1. Vaccines Recommended for Pregnant Women
 - 7.4.2. Characteristics of Vaccination for Pregnant Women
- 7.5. Vaccination During Breastfeeding
 - 7.5.1. Specific Characteristics of Vaccination during Breastfeeding
- 7.6. Vaccine Adaptation in Adult Population
 - 7.6.1. Calendar Correction in Adult Population
- 7.7. Vaccination of Adults Living with Patients with Risk Pathology
- 7.8. Post-exposure prophylaxis vaccination
- 7.9. Vaccination in Healthcare Personnel

Module 8. Child Vaccination

- 8.1. Global Immunization Vision and Strategy (GIVS)
- 8.2. Pediatric Vaccine Schedules
 - 8.2.1. Characteristics of a Vaccination Schedule
 - 8.2.2. Vaccination Schedules in the Paediatric Population
- 8.3. Vaccination Between 0-12 Months
 - 8.3.1. Recommended Vaccines in the Paediatric Population Between 0-12 Months
- 8.4. Vaccination Between 12 Months and 4 Years Old
 - 8.4.1. Recommended Vaccines in Paediatric Population Between 12 months and 4 Years Old
- 8.5. Vaccination Between 4-14 Years Old
 - 8.5.1. Recommended Vaccines in the Paediatric Population Between 4-14 Years Old

- 8.6. Adolescent Vaccination
 - 8.6.1. Recommended Vaccines in Adolescent Pediatric Population
- 8.7. Vaccination of the Premature Infant
 - 8.7.1. Characteristics Specific to Vaccination of the Preterm Infant
 - 8.7.2. Recommended Vaccines in Pre-term Pediatric Population
- 8.8. Non-pharmacological Methods in Pain Control
 - 8.8.1. Breastfeeding as a Nonpharmacologic Method for Vaccination Pain
- 8.9. Vaccine Adaptation in Children
 - 8.9.1. Calendar Correction in Children
 - 8.9.2. Calendar Correction in Immigrant Children
- 8.10. Myths and False Beliefs in Childhood Immunization

Module 9. Vaccination in Special Situations

- 9.1. Accelerated Vaccination
 - 9.1.1. Situations Requiring Adaptation of Vaccination
 - 9.1.2. Adaptive Learning of Accelerated Vaccination
- 9.2. Vaccination in the Pediatric Patient with Primary Immunodeficiencies
 - 9.2.1. Vaccination Recommended for Pediatric Patients with Primary Immunodeficiencies
 - 9.2.2. Characteristics of Vaccination of Pediatric Patients with Primary Immunodeficiencies
- 9.3. Vaccination in the Pediatric Patient with Anatomic or Functional Asplenia
 - 9.3.1. Recommended Vaccines in Pediatric Patients with Anatomic or Functional Asplenia
 - 9.3.2. Characteristics of Vaccination in Pediatric Patients with Anatomical or Functional Asplenia
- 9.4. Vaccinations for Pediatric Patients With HIV
 - 9.4.1. Vaccination Recommended for Pediatric Patients with HIV
 - 9.4.2. Characteristics of Vaccination of Pediatric Patients with HIV
- 9.5. Vaccinations for Pediatric Patients With Cancer
 - 9.5.1. Recommended Vaccinations for Pediatric Patients with Cancer
 - 9.5.2. Characteristics of Vaccinations for Pediatric Patients with Cancer

- 9.6. Vaccination in the Pediatric Patient With Solid Organ or Hematopoietic Transplantation
 - 9.6.1. Recommended Vaccines for Pediatric Patients With Solid Organ or Hematopoietic Transplants
 - 9.6.2. Characteristics of Vaccinations for Pediatric Patients With Solid Organ or Hematopoietic Transplants
- 9.7. Vaccinations for Chronic Pediatric Patients
 - 9.7.1. Recommended Vaccinations for Chronic Pediatric Patients
 - 9.7.2. Characteristics of Vaccinations for Chronic Pediatric Patients
- 9.8. Vaccinations for Pediatric Patients With Down Syndrome
 - 9.8.1. Recommended Vaccinations for Pediatric Patients with Down Syndrome
 - 9.8.2. Characteristics of Vaccinations for Pediatric Patients with Down Syndrome
- 9.9. Immigrant, Refugee or Adopted Population Vaccination
- 9.10. International Traveler's Vaccination
 - 9.10.1. Vaccines to Be Administered When Traveling to Tropical Countries

Module 10. The Future of Vaccines

- 10.1. Vaccines in Development
 - 10.1.1. Different Vaccines Currently in Development
- 10.2. Vaccines and the Media
- 10.3. Reverse Vaccinology: Genome
 - 10.3.1. What Is the Genome?
 - 10.3.2. Concept of Reverse Vaccinology
- 10.4. Global Vaccination Strategy
- 10.5. Anti-vaccine Movements. Situation and Approach
- 10.6. Vaccines and COVID-19
 - 10.6.1. Update on Vaccines and COVID-19
- 10.7. *Vaccines Safety Network*
- 10.8. Vaccine Web Query
- 10.9. Vaccine Website Credibility
 - 10.9.1. Tips for Checking the Reliability of a Vaccine Website
- 10.10. Tips for Finding Reliable Information Online
 - 10.10.1. Practical Tips for Finding Reliable Online Health Information





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You will understand the fundamental aspects of the vaccination process, from legal considerations to technical procedures, ensuring proper administration”

04

Teaching Objectives

The Master's Degree in Vaccines in Nursing aims to train professionals in the management and administration of immunization with an evidence-based approach. Graduates will be prepared to apply effective vaccination strategies, optimize administration procedures, and foster public trust in vaccines. Additionally, they will develop advanced competencies in healthcare communication, decision-making, and addressing misinformation. Through an updated and innovative specialization, specialists will be able to play a key role in disease prevention and the protection of public health.



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You will lead vaccine administration with an evidence-based approach, optimizing each step of the process to ensure its effectiveness”



General Objectives

- ♦ Update knowledge related to the vaccination process and disease prevention and its applicability to the population served, enabling nursing professionals to enhance their capabilities in professional practice
- ♦ Gain in-depth knowledge and apply research methodology at the clinical-assistive and methodological levels in the field of vaccination
- ♦ Develop skills to communicate and raise awareness among the population about the importance and necessity of vaccines, as well as the vaccination process through health promotion strategies
- ♦ Train professionals in the management of vaccines and the application of strategies for preventing vaccine-preventable infectious diseases





Specific Objectives

Module 1. Fundamentals of Immunization

- ♦ Describe the history and major milestones of vaccination over time
- ♦ Know in depth the current vaccination status in the different countries of the world
- ♦ Establish the immunological bases on which to carry out the act of vaccination and the rationale for the same
- ♦ In-depth knowledge of the technologies used in the production of vaccines and their characteristics
- ♦ Establish the theoretical basis of vaccine safety, including the concept of pharmacovigilance and its practical application
- ♦ In-depth knowledge of how vaccines are created and the limitations of the process

Module 2. Epidemiology of Immunization

- ♦ Contextualize the concept of epidemiology in social environment
- ♦ Know in depth the different existing applications of epidemiology and the concept of causality
- ♦ Identify the concept of epidemiological surveillance, the existing application in vaccines and its importance in the health context
- ♦ Learn more about the different communicable diseases and their prevention, as well as their transmission mechanism
- ♦ Apply knowledge of health determinants and explanatory models of health in their daily practice to improve the quality of their care

Module 3. The Vaccine Process

- ♦ In-depth knowledge of the aspects of the vaccination process as a theoretical basis for learning the process itself, as well as its legal aspects
- ♦ Integrate cold chain knowledge into vaccine transport, control and preservation
- ♦ Correctly differentiate the different types of vaccines according to the classification determined between systematic and non-systematic vaccines and the different existing classifications
- ♦ Relate health safety in the concept of the vaccination process to the recording of vaccines in daily practice
- ♦ Identify the different patterns of vaccine administration, co-administration of vaccines with other products and existing vaccination routes
- ♦ Detect the real contraindications of vaccines versus false contraindications

Module 4. Routine Vaccines

- ♦ Identify the different vaccines classified as routine vaccines within the existing immunization schedules
- ♦ Gain a deeper understanding of the characteristics of the Diphtheria-Tetanus-Pertussis vaccine, the different types of vaccines available, and the correct administration guidelines
- ♦ Relate the characteristics of the disease to the Hepatitis B vaccine
- ♦ Relate the characteristics of the disease to the Meningococcal C/ACWY vaccine

Module 5. Non-Routine Vaccines-Not Funded

- ♦ Identify the different vaccines classified as non-systematic vaccines
- ♦ Apply the characteristics of the hepatitis A vaccine, the different types of existing vaccine and the correct administration guidelines

Module 6. Nursing Methodology in Vaccines

- ♦ Identify the different stages of the nursing care process and apply it to the vaccination process
- ♦ Integrate the vaccination process within the nursing care process in a theoretical-practical way
- ♦ Know in depth the most appropriate standardized nursing diagnoses according to the current methodology within the vaccination process

Module 7. Adult Vaccination

- ♦ Gain an in-depth understanding of the numerous adult vaccination schedules existing in our healthcare environment and the main differences between them
- ♦ Integrate the bases on which the concept of the vaccination schedule is based within the disease prevention and health promotion strategies of the different health systems

Module 8. Child Vaccination

- ♦ Gain an in-depth understanding of the numerous pediatric immunization schedules existing in our healthcare environment and the main differences between them
- ♦ Specialize in the main vaccines, their characteristics and the correct vaccination schedule for the pediatric population aged 0 and 12 months
- ♦ In-depth knowledge of the main vaccines, their characteristics and the correct vaccination schedule for the pediatric population between 12 months and 4 years of age
- ♦ In-depth knowledge of the main vaccines, their characteristics and the correct vaccination schedule for the pediatric population aged 4 and 14 years

Module 9. Vaccination in Special Situations

- ♦ Determine the situations that require the creation of an accelerated vaccination schedule at different life stage
- ♦ Establish accelerated vaccination schedules adapted to the specific situations that require them
- ♦ Establish a correct vaccination schedule in pediatric patients with primary immunodeficiencies

Module 10. The Future of Vaccines

- ♦ Understand the different vaccines currently under development worldwide and the stage of the process they are in
- ♦ Relate the vaccination process to how it is exposed to the rest of the world through the media in its different ways
- ♦ Establish the basis of the concept called reverse vaccinology and to know the genome concept
- ♦ Identify the different vaccination strategies existing worldwide by the different existing organizations and their most important differences



You will optimize the management of vaccination programs, from planning to the evaluation of epidemiological impact"

05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



Study Material

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

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

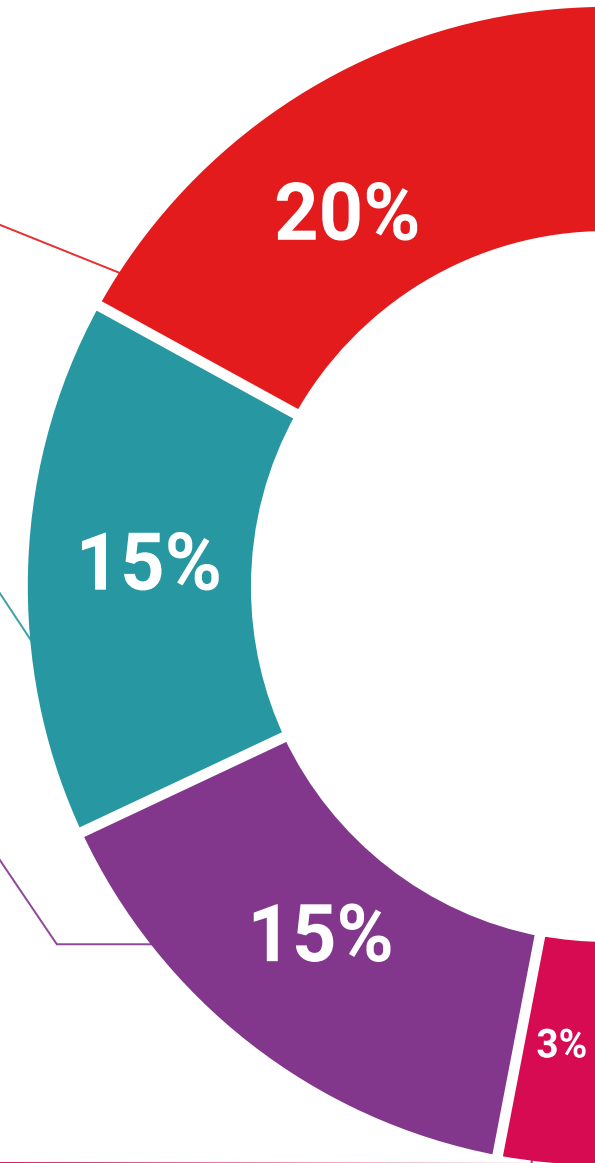
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

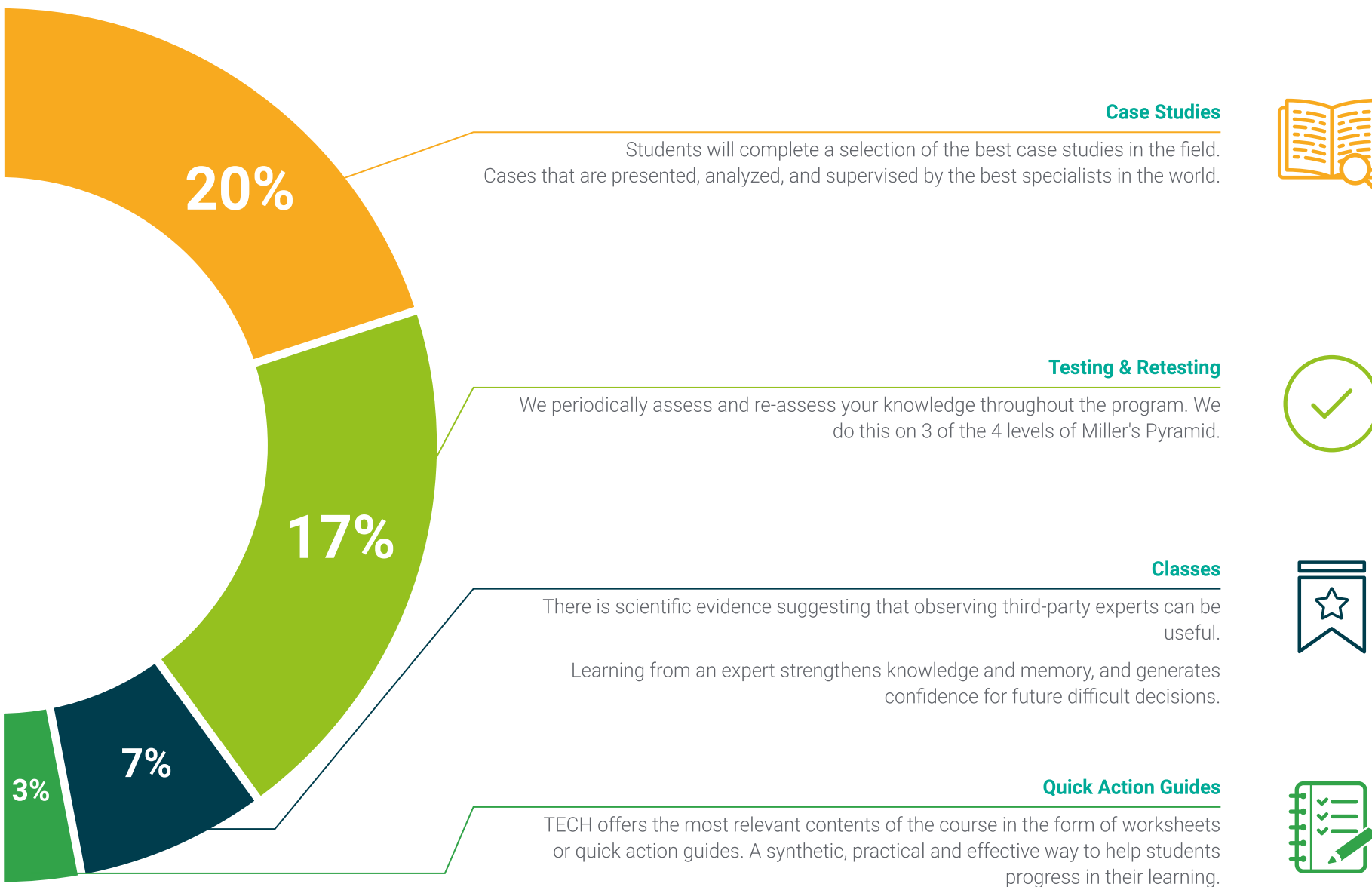
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





06

Teaching Staff

The teaching staff is composed of a team of experts with extensive experience in the field of immunization and public health. These professionals have a background in both the academic and healthcare sectors, offering a practical and updated perspective on advancements in vaccines, immunization strategies, and healthcare policies. Thanks to their experience and innovative approach, the instructors ensure high-quality teaching, based on the latest scientific evidence and tailored to the needs of the sector.





“

You will benefit from personalized guidance from the teaching team, made up of renowned experts in the field of Vaccines in Nursing”

Management



Ms. Hernández Solís, Andrea

- ♦ Family and Community Nurse in the Madrid Health Service (SERMAS).
- ♦ Nurse in the Intensive Care Unit of the Puerta de Hierro University Hospital.
- ♦ Nurse specialist in Family and Community Nursing at the University Hospital of Getafe.
- ♦ Teacher in the Foundation for the Development of Nursing (FUDEN)
- ♦ Diploma in Nursing from the Autonomous University of Madrid

Teachers

Ms. Anula Morales, Irene

- ♦ Specialized Nurse in the Mental Health Unit of the Puerta de Hierro Majadahonda University Hospital (HUPHM)
- ♦ Specialized Nurse in Mental Health at the Foundation for the Development of Nursing (FUDEN)
- ♦ Specialist Nurse in the Medium-Stay Unit for Adolescents with Severe Mental Disorders at Casta Salud
- ♦ Specialist Nurse in the Acute Psychiatry Unit at Jiménez Díaz Foundation University Hospital
- ♦ Nurse in the Short-Term Pediatric-Adolescent Hospitalization Unit at HUPHM
- ♦ Diploma in Nursing from the Autonomous University of Madrid

Ms. Rodrigues Fernández, Erica

- ♦ Nurse Pediatrician and Neonatology Specialist
- ♦ Neonatal Nurse at the Alcorcón Foundation University Hospital
- ♦ Pediatric Nurse at La Rivota Health Center
- ♦ Radiology Room Nurse in Puerta de Hierro Majadahonda University Hospital
- ♦ Intensive Care Nurse at the Puerta de Hierro Hospital Majadahonda
- ♦ Diploma in Nursing from the Autonomous University of Madrid



07 Certificate

This Master's Degree in Vaccines in Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Master's Degree issued by TECH Global University.



“

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This private qualification will allow you to obtain a diploma for the **Master's Degree in Vaccines in Nursing** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra (**official bulletin**). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This private qualification from **TECH Global University** is a European continuing education and professional development program that guarantees the acquisition of competencies in its area of expertise, providing significant curricular value to the student who successfully completes the program.

TECH is a member of the **National League for Nursing (NLN)**, the world's oldest and largest nursing association, serving as an international benchmark for hospitals, research centers, and universities. As a member, TECH provides students with numerous opportunities for growth through educational materials, connections with healthcare leaders, and internships that will enhance their professional experience.

TECH is a member of:

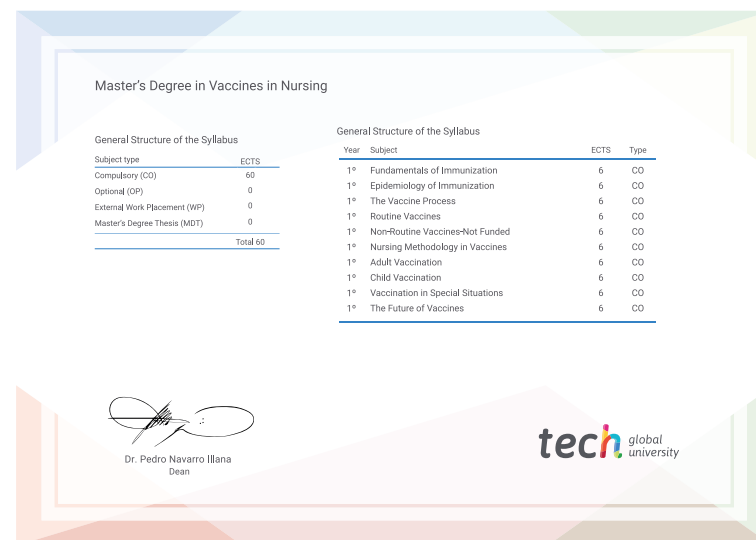


Title: **Master's Degree in Vaccines in Nursing**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**





Master's Degree Vaccines in Nursing

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Accreditation: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Master's Degree Vaccines in Nursing

TECH is a member of:

