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University ABOUBEKR BELKAID TLEMCEN
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Program Overview

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Medical Studies in Algeria: Medical studies in Algeria span seven years and are structured into three successive cycles, combining theoretical education, practical training, and hospital immersion.

1. The Preclinical Cycle (PCEM) – 1st to 3rd Year

This initial phase provides students with fundamental knowledge in medical sciences through theoretical courses, tutorials, and practical training sessions.

Courses Taught in the 1st Year

The curriculum covers core disciplines, including:

- Anatomy, Biochemistry, Biostatistics, Computer Science, Chemistry, Cytology, Physics-Biophysics
- Embryology, Health, Society, and Humanity, Histology, Physiology
- French Language and First Aid Training

Courses Taught in the 2nd Year

Education is structured into integrated units, offering an interdisciplinary approach to the body's major systems:

- Cardiorespiratory System and Blood
- Digestive and Urinary Systems
- Endocrine System and Reproductive Organs
- Nervous System and Sensory Organs

Complementary Modules:

- Genetics and Immunology
- English Language and Nursing Care Internship

Courses Taught in the 3rd Year

The curriculum intensifies with integrated units (UEI) and thematic units (UET):

- **UEI1:** Medical Psychology, General Semiotics, Cardiovascular and Respiratory Systems
- **UEI2:** Neurological, Musculoskeletal, and Dermatological Systems
- **UEI3:** Endocrine, Reproductive, and Urinary Systems
- **UEI4:** Digestive System and Hematopoietic Organs

Thematic Units:

- **UET1:** Pathological Anatomy and Cytology
- **UET2:** Immunology
- **UET3:** Medical Microbiology
- **UET4:** Parasitology and Mycology
- **UET5:** Clinical Pharmacology

From the third year onwards, students undergo their first hospital observation internships, gradually adapting to the clinical environment.

2. The Clinical Cycle (DCEM) – 4th to 6th Year

This phase focuses on a more applied approach to medical education. Students deepen their knowledge in various medical specialties through advanced theoretical courses, tutorials, and clinical simulation sessions. Simultaneously, they participate in intensive hospital internships under the supervision of physicians, actively contributing to patient care.

Courses Taught:

- **4th Year:** Cardiology, Pulmonology, Gastroenterology, Infectious Diseases, Onco-Hematology, Neurology
- **5th Year:** Obstetrics and Gynecology, Endocrinology, Metabolic Diseases, Urology, Nephrology, Mental Health, Traumatology
- **6th Year:** ENT, Ophthalmology, Emergency Medicine, Geriatrics, Systemic Diseases, Forensic Medicine, Occupational Health, Dermatology

3. Internship Year – 7th Year

The seventh year marks full immersion in the hospital environment, where students take on a more active role in patient diagnosis and management. They complete four mandatory rotations in different departments:

- **Surgery**
- **General Medicine**
- **Obstetrics and Gynecology**
- **Pediatrics**

This year enables future doctors to progressively develop autonomy while being supervised by experienced practitioners.

Degree Completion and Career Prospects

Upon completing these seven years of training, including all courses and internships, students earn the title of **Doctor of Medicine**. After obtaining their degree, several career opportunities are available:

- **Specialization:** Access to the residency exam to specialize in a medical or surgical field.
- **Hospital Practice:** Recruitment in public hospitals through the civil service system.
- **Private Practice:** Opening a private clinic and practicing as a general physician, with the option of further specialized training. This rigorous curriculum ensures a comprehensive education, equipping future doctors with scientific knowledge, clinical skills, and hands-on experience for optimal patient care.

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Key Strengths of the Medical Training Program:

- ✓ Comprehensive and Structured Curriculum
- ✓ Early Exposure to Clinical Practice
- ✓ Hands-on Clinical Training
- ✓ Full Hospital Immersion in the Final Year
- ✓ Diverse Career Opportunities
- ✓ Emphasis on Practical and Autonomous Learning
- ✓ Strong Faculty Support and Supervision

The admission requirements for the Faculty of Medicine are determined by a ministerial Decree, updated annually, and is based on the average grades obtained in the baccalaureate.

Access is reserved for students who have followed a scientific track in high school

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The teaching of fundamental courses essential for medical training takes place in the first year of

medical studies, following a modular system structured over one or two semesters.

- **Semester 1 Modules :** Anatomy , Biochemistry , Biostatistics – Computer Science ,Chemistry , Cytology, Physics –Biophysics, French Language
- **Semester 2 Modules:** Anatomy, Biochemistry, Biostatistics – Computer Science , Chemistry, Cytology, Physics – Biophysics, French Language
- **Semester-Based Modules,** Embryology, Health, Society, and Humanity, Histology and Physiology
- **Grading System**

- Annual modules have a coefficient of 2.
- Semester-based modules have a coefficient of 1.

- **Teaching Methods**

Learning is delivered through **lectures (CM), tutorials (TD), and practical sessions (TP)**, enabling

Students to acquire the essential theoretical and practical foundations from the very first year.

Advanced Topics

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The medical curriculum in Algeria spans seven years, combining theoretical education, practical training, and hospital internships. Students acquire a solid foundation in medical sciences before progressively

Integrating into clinical practice and hospital immersion.

The advanced topics covered in the program include:

- Evidence-Based Medicine (EBM) and an interdisciplinary approach.
- Medical simulation and new technologies for learning.
- Advanced hospital internships, allowing students to gradually participate in patient care.
- Specialization after the residency exam, offering access to fields such as surgery, cardiology, and neurology.
- Medical research and innovation, with opportunities for publishing and participating in scientific projects.
- Diverse career prospects, including hospital practice, private practice, humanitarian work, and academic teaching. Through these advanced training opportunities, medical graduates in Algeria develop strong skills, enabling them to practice both nationally and internationally.

Tuition Fees

The registration fees are set at 200 DA

Other Fees

Teaching Language

French and English language

Full Curriculum

Choisir un fichier

Since the 2018-2019 academic year, a major overhaul of medical studies has been initiated, starting with the reorganization of the first cycle (PCEM) and continuing with the second cycle (DCEM) from 2021-2022. This reform aims to modernize medical education and improve the training of future doctors through an integrated and more immersive approach.

- **First Cycle of Medical Studies (PCEM)**

1st Year of Medical Studies

The first-year curriculum is based on a modular system, combining lectures (CM), tutorials (TD), and practical work (TP). This structure allows for the progressive acquisition of medical fundamentals and effectively prepares students for advanced cycles.

- Educational Organization

- Semester and annual modules
- Semester-based assessments
- Mandatory first aid training

2nd Year of Medical Studies

The curriculum is organized into integrated units (UI) and modules, where students study different organs and systems of the human body in an interdisciplinary manner.

Integrated Units (UI) and Modules

- Cardiorespiratory system and blood (Weight: 4)
- Digestive and urinary systems (Weight: 4)
- Endocrine system and reproductive organs (Weight: 4)
- Nervous system and sensory organs (Weight: 4)
- Genetics and Immunology modules (Weight: 2)

Assessment Methods : evaluation includes:

- Theoretical coursework (lectures and tutorials)
- Exams consisting of 40 to 60 questions
- Mandatory B2-level certification in English
- Validation of a nursing internship where students learn basic care

3rd Year of Medical Studies

The program is structured into two types of teaching units:

- Integrated Teaching Units (UEI) – 280 hours

UEI1: Medical psychology, general semiology, cardiovascular and respiratory systems

UEI2: Neurological, musculoskeletal, and integumentary systems

UEI3: Endocrine, reproductive, and urinary systems

UEI4: Digestive system and hematopoietic organs

- Thematic Teaching Units (UET) – 200 hours

UET1: Pathological anatomy and cytology

UET2: Immunology

UET3: Medical microbiology

UET4: Parasitology and mycology

UET5: Clinical pharmacology

- Clinical Internships

Students complete hospital internships twice a week (6 to 8 hours/week). These internships help achieve the educational objectives outlined in the internship logbook, and validation requires completing at least 70% of clinical objectives.

- Assessment Methods

UEI evaluation: 2 assessments per semester (4 per year)

UET evaluation: Semester-based assessment

- Clinical evaluation (Internships):

Validation of educational objectives

OSCE (Objective Structured Clinical Examination), based on simulated or real clinical scenarios

- o **Second Cycle of Medical Studies (DCEM)**

This cycle, for students in their 4th to 6th years, emphasizes the development of clinical and professional skills through more in-depth and immersive training.

Objectives of DCEM

- Acquisition of advanced knowledge in pathophysiology, pathology, and therapeutic principles.
- Learning clinical reasoning and diagnostic approaches.
- Development of generic skills for responsible medical practice.
- Training in scientific research and critical reading of medical articles.

Organization of Clinical Internships

Students complete 27 months of internships over three years (9 months per year) in public hospital structures (CHU, EHS, EPH). These internships also include mandatory on-call duties.

Taught Modules

- 4th Year: Cardiology, pulmonology, gastroenterology, infectious diseases, onco-hematology, neurology.
- 5th Year: Gynecology-obstetrics, endocrinology, metabolic diseases, urology, nephrology, mental health, traumatology.
- 6th Year: ENT, ophthalmology, emergency medicine, geriatrics, systemic diseases, forensic medicine, occupational health, dermatology.

Supervision and Evaluation

A supervising physician mentors students and designates trained reference doctors.

Internship validation: Based on competency assessment via the internship logbook.

OSCE evaluations: Validation of skills acquired at the bedside and in simulation.

○ **Internship (7th Year)**

The internship is a year of full immersion in a hospital setting, accessible only after complete validation of the clinical cycle.

- Internship Organization: The student completes four 3-month rotations:

One medical rotation

One surgical rotation

Two mandatory rotations: Gynecology-obstetrics and pediatrics

Validation and Career Prospects

Upon completion, the student earns the title of Doctor of Medicine and can: Practice as a general practitioner or Take the residency exam for specialization

The reform of medical studies in Algeria, implemented since 2018, aims to modernize education and adapt the training of future doctors to current scientific and professional requirements. Through an integrated approach, enhanced clinical learning, and rigorous assessment, this overhaul ensures better preparation for students to meet the challenges of the medical profession