



## COMPETITION TESTS; BIBLIOGRAPHY AND SUBJECTS; ADDRESSABILITY

### A. MEDICINE

#### A. 1. Health and social services management

The admission competition consists of a written test from the competition bibliography.

The general admission average will be calculated as the arithmetic average of the average of the bachelor's degree examination, the average for the years of study and the mark obtained in the written test.

**Bibliography:** Vlădescu C. (coordinator), *Sănătate publică și management sanitar*, Editura Cartea Universitară, Bucharest, 2004, *Law no. 95/2006 on health reform*, published in the Official Journal of Romania no. 372/28.04.2006, with subsequent amendments and additions.

**Eligibility:** graduates of: medicine, dentistry, pharmacy, biology, chemistry, economics, law, etc., with a bachelor's degree, with a bachelor's degree or equivalent of long university studies, obtained until the first graduation of the first promotion of bachelor's degree studies.

#### A. 2. Prevention and recovery in cardiopulmonary diseases

The admission competition includes a written test.

The general admission average will be calculated as the arithmetic average between the average of the bachelor's degree exam, the average of the years of study, the grade obtained in the written exam and the grade according to the origin of the graduate (graduate of UMF "Victor Babeș" Timisoara - 10, graduate of a medical or rehabilitation faculty from another university - 9, graduate of another faculty - 8).

In the case of equal averages on the last place financed from the state budget, the following marks will be used to decide between the candidates:

- Written test mark
- Licence exam grade

**Bibliography:** Gaiță D., Avram C., *Cardiovascular Recovery - between concepts and practice*, Brumar Publishing House, Timișoara, 2007, chapters I, II, III and IV (pp. 9-96); Tudorache V., Oancea C., Bertici N., Fira-Mlădinescu O., *Evaluation of respiratory diseases from the perspective of medical recovery*, Eurobit Publishing House, Timișoara, 2011, general part, pp. 5-44 and special part on respiratory rehabilitation, pp. 103-150.

**Eligibility:** Graduates with a bachelor's degree in the following specialisations: Balneofiziokinetoterapie și Recuperare, Kinetoterapie și Motricitate Specială, Fiziokinetoterapie, General-Medicine, General Medical Assistance, Nutrition and Dietetics.

#### A. 3. In-depth studies in clinical and community nutrition

The admission competition consists of a written test - a 20-question grid test.

The arithmetic average of the average of the years of study, the mark of the bachelor's degree examination and the mark indicating the graduate's origin (10 - for candidates who graduated from the Nutrition and Dietetics study programme; 8 - for candidates who graduated from another study programme) will be added to the admission average.

The general admission average will be calculated as the arithmetic average of the written test mark and the average of the 3 marks obtained according to the candidate's official documents.

**Bibliography:** A. Sima, A. Vlad, R. Timar, M. Roșu, B. Timar, *Physiological Human Nutrition. Macronutrients*, Lito UMFVBT, 2013; A. Sima, A. Vlad, R. Timar, M. Roșu, B. Timar, *Noțiuni de nutriție umană fiziologică*, Editura Solness Timișoara, 2014, pag. 9-85, 241-246, 269-275.



**Eligibility:** graduates with a bachelor's degree in the following specialisations: Nutrition and Dietetics, Medicine, Dentistry, Pharmacy, Food Chemistry, Balneofiziokinetoterapie, Biology, General Medical Assistance, graduates of bachelor's level of other fields of study.

#### **A. 4. Modern applications of laboratory medicine in personalised healthcare**

The admission competition consists of a written test and a practical knowledge test (basic skills for working in the clinical laboratory).

The overall admission average will be calculated as the arithmetic average of the written and practical tests.

**Bibliography:** Anghel Andrei, *Lucrări practice de chimie și biochimie medicală*, Victor Babes Publishing House, Timișoara, 2019, ISBN: 978-606-786-138-9.

**Eligibility:** graduates with a bachelor's degree in fields related to the programme they are following: graduates with a bachelor's degree in the following medical specialisations: medicine, clinical laboratory, general nursing and other specialists with a bachelor's degree who work/can work in the clinical laboratory of medical analysis and anatomopathology (biochemists, chemists, biologists, cytologists.)

#### **A. 5. Health education management**

The admission competition consists of a written test - -Grid test, consisting of 20 questions, in the form of an admission-type marking.

**Bibliography:** Ramona Amina Popovici, *Elemente de management și aspecte legislative medico-farmaceutice*, Mirton Publishing House, Timișoara, 2016; Ramona Amina Popovici, Mihaela Codrina Levai, Angela Codruța Podariu, Laura Rusu, Alin Faur, *Particularități ale comunicării în medicină*, Mirton Publishing House, Timișoara, 2016; *Law no. 95/2006 on health reform*, published in the Official Journal of Romania no. 372/28.04.2006, with subsequent amendments and additions.

**Eligibility:** graduates with a bachelor's degree in the following specialisations: undergraduate medical programmes, Medicine, Dentistry, Pharmacy, Dental Prophylaxis Assistant, General Medical Assistant, Pharmacy Assistant, Balneophysiokinetotherapy and Recovery, Physiotherapy and Special Motor, Physiokinetotherapy, Nutrition and Dietetics, graduates of bachelor's level of other fields of study.

#### **A. 6. Legal liability of healthcare professionals**

The admission competition consists of a written test - -Grid test, consisting of 20 questions, with an admission-style marking format.

**Bibliography:** Ramona Amina Popovici, *Elemente de management și aspecte legislative medico-farmaceutice*, Mirton Publishing House, Timisoara, 2016; The course of the discipline *Legal Aspects of the Profession, Social and Health Legislation, Law no. 95/2006 on the reform in the health sector*, published in the Official Journal of Romania no. 372/28.04.2006, with subsequent amendments and additions.

**Adresabilitate:** Organised in four semesters, the Master's programme is aimed at graduates with a bachelor's degree from the faculties of medicine, dentistry, pharmacy and other undergraduate fields who wish to specialise in a field that is increasingly necessary in today's medical realities.

#### **Recovery techniques in neurological disorders**

The admission competition will consist of a written test - grid test.

The admission average will be calculated as the arithmetic average of the average of the licence exam and the mark obtained in the grid test of each candidate.

**Bibliography:** Nemeș D, Amărică E, Suci O, Popa D, Cațan L, Surducă D. *Physiotherapy in neurological disorders*. LITO UMFT 2010

Chapters:

- Ischaemic stroke (pages 58-80)



- Haemorrhagic stroke (pages 80-84)
- Low back pain (pages 201-212)

**Eligibility:** graduates with a bachelor's degree in the following specialisations: Balneo – physio-kineto-therapy and Recovery, General Medicine, General Medical Assistance, Kineto-therapy and Special Motor.

### **Complementary and alternative therapies**

The admission competition consists of a written test - grid test.

The admission average will be calculated as the arithmetic average between the average of the licence exam and the mark obtained in the grid test of each candidate.

### **Bibliography :**

Barbara Krumhardt, I. Edward Alcamo, Human Anatomy and Physiology, Barron`s, Barron`s Publishing University Press, Târgu Mureș, 2022, 596 pages, ISBN 978-973-169-728-4

Capitols:

- Introduction to anatomy and physiology
- Nerve tissue and organisation of the nervous system
- Bones and joints

**Eligibility:** graduates with a bachelor's degree in the following specialisations: Medicine, Dentistry, Pharmacy, General Medical Assistance, Pharmacy Assistance, Balneofiziokinetoterapie și Recuperare, Nutrition-Dietetics.

### **Toxicology and addiction medicine**

Admission is based on a 10-question written examination on the subjects specified in the competition bibliography, with candidates being ranked in descending order of average.

Candidates admitted to the written test will be admitted to a motivational interview, which is eliminatory.

### **Admission criteria:**

The minimum pass mark after the written test is 6,00 (six).

The admission criterion for budget-funded study places is the mark obtained after the evaluation of the interview test, with candidates being ranked in descending order of marks, provided they pass the interview. Failure to pass the interview will result in the candidate's rejection.

**Bibliography:** Cristina Adriana Dehelean, Dorina Gheorgheosu Gheorgheosu, Daniela Ionescu, Noțiuni de toxicologie generale, Editura "Victor Babeș" , Timișoara, 2013, ISBN 978-606-8456-14-0

**Adresabilty:** Organised in four semesters, the Master's programme is aimed at graduates with a bachelor's degree from the faculties of medicine and pharmacy and other bachelor's degree fields (general nursing, psychology) who wish to specialise in a field that is increasingly necessary in today's medical realities.

### **A.10. Axiology applied in the process of growth and development in children and adolescents\***

The admission competition consists of a written test - grid test

The admission average will be calculated as the arithmetic average between the average of the licence exam and the mark obtained in the grid test of each candidate.

### **Bibliography:**

1. Treatise on Paediatrics - Scientific Coordinator Prof. Dr. Doina Anca Pleșca, Medichub Media Publishing House 2021, Section 1/Chapter 1 "Growth and Development", page 1-13

2. Tratado de Pediatrie - Coordinators Prof. PhD Florea Iordachescu, Prof. PhD Adrian Georgescu, Prof. PhD Igrith Miron, Prof. PhD Otilia Mărginean, Editura ALL 2019, Section 13 " Endocrine diseases and metabolic disorders " pag 1081-1095, pag1125-1136



**Eligibility:** graduates with a bachelor's degree in medicine, resident doctors, specialists, primary family practitioners, resident doctors, specialists, paediatric primary paediatricians, resident doctors, specialists, neonatology primary neonatology, school doctors

### **A.11. Prevention and integrated management of obesity\***

*\*) Subject to the inclusion of the study programme in the Government Decision approving the Nomenclature of accredited master's degree fields and programmes and the maximum number of students who can be enrolled in the 2026-2027 academic year.*

The admission competition consists of a written test – a multiple-choice test with 20 questions.

The overall admission average will be calculated as the arithmetic mean between the written test score and the arithmetic mean of 2 scores (represented by the average of the years of study and the bachelor's degree exam score).

#### **Eligibility:**

Graduates with a bachelor's degree in the following specialisations: Nutrition and Dietetics, Medicine, Dentistry, Pharmacy, Balneophysiokinesitherapy, General Medical Assistance, bachelor's degree graduates in other fields of study.

#### **Bibliography:**

Timar R (ed.). Diabetes mellitus and metabolic diseases. For students of the Faculty of Medicine. Victor Babeș University of Medicine and Pharmacy, Timișoara, 2018, chapters Healthy Eating (pages 7-28) and Adult Obesity (pages 143-166).

### **A.12. Disaster and emergency management\***

*\*) Subject to the inclusion of the study programme in the Government Decision approving the Nomenclature of accredited master's degree fields and programmes and the maximum number of students who can be enrolled in the 2026-2027 academic year.*

The admission competition consists of a written test – a multiple-choice test with 20 questions.

#### **Eligibility:**

Graduates with a bachelor's degree in the following specialisations: Medicine, Dentistry, Pharmacy, General Nursing, Balneophysiokinesitherapy, Nutrition and Dietetics, Chemistry, Biology, Biochemistry, Psychology, graduates with a bachelor's degree in other fields of study, especially from the MAPN (Ministry of National Defence) and MAI (Ministry of Internal Affairs) – military personnel, police officers, firefighters, paramedics, border police, public order, emergency response and specialised personnel such as IT, logistics, legal and medical.

#### **Bibliography:**

Judith E. Tintinalli, O. John Ma, Donald M. Yealy, Garth D. Meckler, J. Stephan Stapczynski, David M. Cline, Stephen H. Thomas. Emergency Medicine: A Comprehensive Study Guide, 9th Edition  
Section 2: Disaster Management. Chapters 5, 6, 7  
Section 4: Resuscitative Procedures. Chapters 22, 23, 24  
European Resuscitation Council (ERC) – 2025 Guidelines

## **B. PHARMACY**

### **B. 1. Cosmetology and Dermopharmacy**

The admission competition will consist of two tests:

a. Theoretical test from the course subjects of Dermopharmacy and Cosmetology.



The theory test will consist of 25 multiple-choice questions from the examination bibliography and will be worth 50% of the average of the admission test (points out of 100)

b. The interview will have a weight of 50% of the average of the entrance exam (amount of points out of 100) and will test experience in the field, previous short training in the field and aspects related to the motivation for choosing the Master's programme.

**Addressability:**

The Master is addressed to graduates with a bachelor's degree who are interested in an in-depth knowledge of the area of specialisation in cosmetology and dermopharmacy: pharmacists, licensed pharmacy assistants, graduates of medical cosmetics and cosmetic product technology, physicians, chemists and chemical engineers, biologists and biochemists.

**Bibliography:**

Anca Dragomirescu, *Dermatocosmetology with a pharmaceutical profile*, Ed. Brumar Timișoara, 2018

Anca Dragomirescu, *Cosmetology Tests*, Victor Babeș Publishing House, Timișoara, 2021, e-book.

**B.2. Pharmacovigilance and monitoring of clinical trials\***

The admission competition will consist of two tests:

a. Theoretical test from the topics below:

1. Medicament, Title XVIII, according to the provisions of the Law no. 95 of 14 April 2006 on health reform, republished

2. General provisions on clinical trials in accordance with Regulation (EU) No 536/2014 of the European Parliament and of the Council of 16 April 2014

The theory test will consist of 25 multiple-choice questions from the examination bibliography and will be worth 50% of the average of the admission test (points out of 100)

b. The interview will have a weight of 50% of the average of the entrance exam (amount of points out of 100) and will test experience in the field, previous short training in the field and aspects related to the motivation for choosing the Master's programme.

**Addressability:**

The MSc is addressed to graduates with a bachelor's degree who are interested in an in-depth knowledge of the area of specialisation in pharmacovigilance and clinical studies: pharmacists, physicians, licensed pharmacy assistants, chemists and chemical engineers, biologists and biochemists.

**Bibliography:**

1. Law No. 95 of 14 April 2006 on health reform, republished

2. Regulation (EU) No 536/2014 of the European Parliament and of the Council of 16 April 2014

\* *If, by the date of the admission competition, the Government Decision for the authorisation to operate will be published, an admission competition will be organised under the conditions set out in this Regulation.*

**B.3. Pharmaceuticals\***

The admission competition will consist of two tests:

a. Theoretical test from the topics below:

1. Physico-chemical principles in drug formulation and manufacturing.

2. Implications of the characteristics of medicinal substances and excipients on the formulation and preparation of medicinal products.

3. Industrial drug manufacturing technologies.

The theory test will consist of 25 multiple-choice questions from the examination bibliography and will be worth 60% of the average of the admission test (points out of 100)



b. The interview will have a weight of 40% of the average of the admission exam (amount of points out of 100) and will test experience in the field, previous training in the field and aspects related to the motivation for choosing the Master's programme.

**Addressability:**

The master's programme is addressed to graduates of the faculties of pharmacy, medicine, biology, biochemistry, biotechnology, chemistry, physics, engineering, as well as to pharmacy assistants with a bachelor's degree.

The master's programme is addressed to graduates with a bachelor's degree who wish to successfully develop their professional career in the pharmaceutical industry, in areas such as:

- research and development of innovative new molecules
- industrial manufacture of medicinal products
- production of medicinal substances and excipients
- quality control of medicines
- quality assurance in the pharmaceutical industry
- registration of medicines
- clinical triage and post-marketing surveillance
- drug manufacturing management.

**Bibliography:**

1. Sorin E. Leucuța: Industrial Pharmaceutical Technology, Dacia Publishing House, Cluj - Napoca, 2007.

2. Ioan Tomuță, Alina Porfire, Marcela Achim, Sonia Iurian, Dana Hales, Lucia Tefas, Tibor Casian, Rareș Iovanov. Industrial pharmaceutical technology. Pharmaceutical development of generic drugs, Risoprint Publishing House, Cluj-Napoca, 2020.

3. Good Manufacturing Practice guidelines for medicinal products for human use -

<https://www.anm.ro/medicamente-de-uz-uman/legislatie/hotarari-ale-consiliului-stiintific/>

The bibliography can be found at the Pharmaceutical Technology Department, Faculty of Pharmacy, Department II.

Contact person : Conf. univ. univ. dr. Șuta Maria, email: suta.lenuta@umft.ro

*\* If, by the date of the admission competition, the Government Decision authorising the authorisation to operate has been published, an admission competition will be organised in accordance with the conditions laid down in these Regulations.*

**B.4. Applied Phytotherapy**

The admission competition will consist of two tests:

- Theoretical test: in the form of a multiple-choice test containing 25 questions with multiple answers from the examination topics, weighing 50% of the average grade of the admission examination (out of a total of 100 points)
- Interview: aims to assess the interest in specialising in the field of phytotherapy, along with the candidate's motivation for choosing this master's degree program, weighting 50% of the average grade of the admission examination (out of a total of 100 points)

**Topics and Bibliography:**

- Danciu C, Avram Ș, Pavel IZ – Farmacognozie - Partea I (Cap. II. Extracția substanțelor din plante - pag. 11-30; Cap. XIII. Flavonoide – pag 171-185), Editura Victor Babeș, 2015
- Avram S, Danciu C, Pavel IZ -Farmacognozie - Partea a II-a (Cap. 2. Carotenoide – pag. 13-24; Cap. 3. Aetherolea: Uleiuri volatile – pag. 30-49), Editura Victor Babeș, 2017



- Stănescu U (editor), Hăncianu M, Gîrd CE, Farmacognozie. Produse vegetale cu substanțe bioactive (Cap. 4.1.1.2. produse vegetale care conțin acizi fenolici sau benzochinone - pag. 123-132; Cap. 4.1.2.2. Produse vegetale care conțin derivați ai unor acizi fenilacrilici și /sau depside – pag. 141-150), Editura Polirom, Iași, 2020

**The Bibliography is available at the Department of Pharmacognosy - Phytotherapy, Department II, Faculty of Pharmacy, “Victor Babeș” University of Medicine and Pharmacy of Timișoara**

**Contact: Assoc. Prog. Avram Ștefana, PhD [stefana.avram@umft.ro](mailto:stefana.avram@umft.ro)**

#### **Addressability:**

The master’s degree program “Applied Phytotherapy” is intended for graduates with a bachelor’s degree who wish to deepen, from a scientific and applied perspective, the use of medicinal plants for therapeutic purposes. The program is aimed at all those interested in integrating phytotherapy into professional practice, contributing to the research and development of phytotherapeutic products and promoting the responsible use of plant resources in health. Thus, the program is intended for: graduates with a bachelor’s degree in pharmacy, pharmaceutical assistance, medical cosmetics and cosmetic product technology, as well as graduates with a bachelor’s degree in related fields such as: medicine, general medical assistance, balneo-physiotherapy and recuperation, nutrition and dietetics, dental medicine, dental prophylaxis assistance, biology, chemistry, agronomic sciences, veterinary medicine, food technology or other specialisations in the field of health and life sciences relevant to the application of phytotherapy.

### **B.5. TOXICOLOGY OF PSYCHOTROPIC DRUGS AND PLANTS**

The admission competition will consist of two tests:

**a. The theoretical test** will include 25 multiple-choice questions from the examination bibliography and will weight 50% of the average grade of the admission examination (out of a total of 100 points).

#### **Bibliography:**

1. Cristina A. Dehelean, Dorina Gheorgheosu, Daniela Ionescu, Noțiuni de toxicologie generală, Ed. Victor Babeș, Timișoara, 2013 (Cap. 3. Noțiuni de toxicocinetică, pag.: 59-96; Cap. 4. Noțiuni de toxicodinamie. Toxicitatea la nivel de organ, pag.: 97-144)
2. Dorina Coricovac, Cristina Dehelean, Iulia Pînzaru, Alina Moacă. Noi aspecte în ceea ce privește utilizarea plantelor toxice. Editura Victor Babeș, Timișoara, 2018 (Cap. 3. Specii de plante toxice, pag.: 69-117)
3. Daniela Saveta Popa. Curs de Toxicologie, Editura Medicală Universitară „Iuliu Hațieganu” Cluj Napoca 2004 (partea I Toxicologie generală, Cap. 6. Factorii care influențează toxicitatea, pag.: 41-45; Cap. 7. Tratamentul intoxicațiilor, pag.: 46-52; partea a II-a Toxicologie specială, Cap. 5. Substanțe toxicomanogene, pag.: 112-125)

**b. The interview** will weight 50% of the average grade of the admission examination (out of a total of 100 points) and will test the motivation for choosing the master’s program.

#### **Addressability:**

This master’s degree program is intended for graduates with a bachelor’s degree who are interested in deepening this specialisation. Thus, due to its interdisciplinary nature, the master’s degree is aimed at a broad target group, suitable for graduates of the Faculties of Medicine, Pharmacy, Chemistry, Biochemistry and Law.

## **C. DENTAL MEDICINE**

### **C. 1. Lasers in dentistry (Teaching language: English)**

MASTER STUDIES

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ARACIS - 2027 | IAAR (WFME, EQAR, ENQA) - 2026 | EBA (UK) - 2026

ISO 9001:2015 ISO 45001:2018



1. The admission competition includes an interview with each candidate.

The interview will analyse the following aspects:

- the reasons for choosing this Master's programme, based on further interests in the field (e.g. undergraduate, dissertation, doctoral work in a similar field).
- language communication skills (English), on a scientific topic proposed by the candidate (e.g. the topic of their bachelor's, dissertation or doctoral thesis).

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MASTER STUDIES

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ARACIS - 2027 | IAAR (WFME, EQAR, ENQA) - 2026 | EBA (UK) - 2026

ISO 9001:2015 ISO 45001:2018