

Description of educational and professional program

Components	Description of academic and professional program
1. General information	
Full name of the institution of higher education and structural unit	Poltava State Medical University Dental Faculty International Faculty
Degree of higher education and title of qualification in the original language	Academic degree – Master Academic qualification – Master of Dentistry Professional qualification – Dentist Qualification in the diploma – Master of Dentistry. Dentist
The official name of academic and professional program	Dentistry, ID 51152
Type of diploma and scope of academic and professional program	Master's degree, single issue, 300 ECTS credits, duration of study: 4 years 10 months.
Availability of accreditation	Accredited by the National Agency for Higher Education Quality Assurance with the definition of «exemplary». Certificate №2430 as of 05.10.2021. Validity of the certificate until 01.07.2026
Cycle / level	National Qualifications Framework of Ukraine – level 7; FQ – EHEA – the second cycle, EQF – level 7
Prerequisites	Terms of admission are regulated by the «Rules of admission to Poltava State Medical University». Persons with a complete secondary education can be admitted to study in academic and professional program Dentistry, provided that an external independent evaluation of the quality of education has been successfully completed. For persons who have the educational qualification level of a junior specialist, the educational and professional degree of a professional junior bachelor, the educational degree of a junior bachelor in specialty 221 «Dentistry», the competitive selection is based on the results of entrance exams. Admission / enrollment of foreigners and stateless persons is based on the results of entrance exams and on the basis of academic rights to continue education, provided by the document on the level of education in the country of origin, and taking into account academic performance points entitling to further education in accordance with the legislation of the country that issued the document on the level of education.
Language(s) of instruction	Ukrainian, English.
Validity of academic and professional program	5 years
Internet address of the permanent placement of the description of academic and professional program	https://www.pdmu.edu.ua/fakultets/stomat/profil-osvitnoyi-programi
2. The purpose of academic and professional program	
Academic and professional program corresponds to the mission, vision and key values of the University and is aimed at training highly qualified, competitive, competent professionals who can	

solve complex problems and issues in the field of dentistry and healthcare or in the learning process, characterized by uncertain conditions and requirements, and perform the professional activities of a dentist.	
3. Characteristics of academic and professional program	
Subject area (field of knowledge, specialty, specialization)	Field of knowledge 22 “Healthcare” Specialty 221 “Dentistry”
Orientation of academic and professional program	Academic and professional program has an applied orientation in the field of health maintenance, dental health in particular, prevention, diagnosis and treatment of human dental diseases.
The main focus of academic and professional program	Higher education in the field of knowledge 22 “Healthcare”, specialty 221 “Dentistry” Key words: healthcare, dentistry, medicine, higher education, master's degree, dentist.
Features of the program	Academic and professional program takes into account the world's best practices in the training of dentists and current trends in the recognition of the priority for private dental practice. The program is implemented in small groups through the combination of practical and theoretical training. It provides the opportunity to form an individual educational trajectory through optional components (not less than 25% of the total number of credits). Mastering the practical skills is carried out during practical classes, occupational practice under the guidance of a teacher.
4. Suitability of graduates for employment and further study	
Suitability for employment	A specialist is prepared to work according to the Classification of Economic Activities SC 009: 2010: Section Q. Healthcare and providing social assistance Section 86. Healthcare Group 86.2 Medicine and dental practice Class 86.23 Dental practice After completion of training in academic and professional program in the specialty “Dentistry”, a specialist is able to perform professional work according to the “Classifier of professions” SC 003: 2010: intern (CP code - 3229)
Further study	Upon completion of training at APP Dentistry and obtaining the degree of «Master of Dentistry» graduates have the right to enter the postgraduate education program – internship (primary specialization), where training is carried out by AP Dentistry in accordance with the Order of the Ministry of Healthcare as of 22.06.2021. № 1254 «On approval of the regulations on internships and secondary medical (pharmaceutical) specialization». Graduates of the AP can also enroll in academic and research programs for the degree of «Doctor of Philosophy» and receive additional qualifications in the system of postgraduate education.
5. Teaching and assessment	
Teaching and learning	The main types of training at Poltava State Medical University embrace: lectures, practical classes, seminars, consultations, individual tasks, defense of case history, self-directed work under the guidance of a teacher, self-directed extracurricular work, occupational practice. Student-centered learning, problem-oriented learning, self-learning, learning through occupational practice, combining educational activities of students with research, simulation learning.
Assessment	Control measures for assessing the educational activities of higher

	<p>education applicants include continuous and final control of knowledge, skills and abilities. Final control includes semester control and state certification of applicants for higher education. Grades “Excellent”, “Good”, “Satisfactory” are given based on the results of final module control, exams, occupational practices. The grade “Passed” is given based on the results of credit tests.</p> <p>Certification according to academic and professional program in the specialty “Dentistry” is carried out in the form of a Single State Qualifying Exam. The unified state qualification exam is conducted in accordance with the “Procedure for Conducting the Unified State Qualification Exam for Applicants of the Master's Degree in the field of knowledge “Healthcare” and consists of the following components:</p> <ul style="list-style-type: none"> • integrated test exam “KROK that assesses the quality of training to higher education standards and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”; • professional English language exam that assesses professionally oriented English-language competence of higher education applicants and which is conducted by the State Organization “Center for testing the professional competence of specialists with higher education in “Medicine” and “Pharmacy” at the Ministry of Healthcare of Ukraine”; • objective structured practical (clinical) exam that assesses a graduate's readiness to pursue the professional activity in accordance with the requirements of the higher education standard by demonstrating practical (clinical) components of professional competence on a real object or model, conducted by the examination commission of the higher educational institution.
6. Program competencies	
Integral competence	Ability to solve complex problems and issues in the field of healthcare in the specialty “Dentistry”, in the professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertain conditions and requirements.
General competencies (GC)	<ol style="list-style-type: none"> 1. Socio-legal competencies: <ol style="list-style-type: none"> 1.1 the ability to act socially responsibly and consciously; 1.2 the ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine; 1.3 the ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology, use different types and forms of physical activity for active rest and leading a healthy lifestyle; 1.4 the desire to preserve the environment. 2. Prognostic competencies: <ol style="list-style-type: none"> 2.1 the skills of using information and communication technologies; 2.2 the ability to search, process and analyze information from various sources; 2.3 the ability of abstract thinking, analysis and synthesis. 3. Communicative competencies:

	<p>3.1 the ability to communicate in the state language both orally and in writing;</p> <p>3.2 the ability to communicate in English. The ability to use international Greek and Latin terms, abbreviations and clichés in professional oral and written speech;</p> <p>3.3 the ability to be critical and self-critical;</p> <p>3.4 the ability to work in a team;</p> <p>3.5 knowledge and understanding of the subject area and understanding of professional activity.</p> <p>4. Management competencies:</p> <p>4.1 the ability to apply knowledge in practice;</p> <p>4.2 the ability to adapt and act in a new situation;</p> <p>4.3 the ability to identify, pose and solve problems.</p>
<p>Special (professional, subject) competencies</p>	<ol style="list-style-type: none"> 1. Ability to collect medical information about a patient and analyze clinical data. 2. Ability to interpret the results of laboratory and instrumental studies. 3. Ability to diagnose: make the preliminary, clinical, final, concomitant diagnosis, emergencies. 4. Ability to plan and implement measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial area. 5. Ability to design the process of medical care: to determine the approaches, plan, types and principles of treatment of diseases of organs and tissues of the oral cavity and maxillofacial area. 6. Ability to determine the rational mode of work, rest, diet in patients during the treatment of diseases of organs and tissues of the oral cavity and maxillofacial area. 7. Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial area with concomitant somatic diseases. 8. Ability to perform medical and dental procedures. 9. Ability to treat major diseases of organs and tissues of the oral cavity and maxillofacial area. 10. Ability to organize and conduct medical and evacuation measures. 11. Ability to determine tactics, methods and provide emergency medical care. 12. Ability to organize and conduct screening examinations in dentistry. 13. Ability to assess the impact of the environment on the health of population (individual, family, population-based). 14. Ability to keep regulatory medical records. 15. Processing of state, social and medical information. 16. Ability to organize and conduct rehabilitation measures and care for patients with diseases of the oral cavity and maxillofacial area. 17. Ability to provide legal support for one's own professional activity. 18. Ability to provide premedical care according to the protocols of tactical medicine.
<p>7. Program learning outcomes</p>	
<ol style="list-style-type: none"> 1. To distinguish and identify the leading clinical symptoms and syndromes (according to list 1); as consistent with standard methods, using preliminary data from a patient's anamnesis, data from a patient's examination, knowledge about a person, their organs and systems, to make a probable nosological or syndromic preliminary clinical diagnosis of a dental disease (according to list 2). 2. To collect information about the general condition of a patient, assess the psychomotor and 	

physical development of a patient, the condition of the organs of the maxillofacial area, to assess information about the diagnosis based on the results of laboratory and instrumental studies (according to list 5).

3. To prescribe and analyze additional (mandatory and optional) examination methods (laboratory, radiological, functional and / or instrumental) according to list 5, for patients with diseases of organs and tissues of the oral cavity and maxillofacial area to conduct differential diagnostics of diseases (according to list) 2).
4. To determine the final clinical diagnosis in accordance with the relevant ethical and legal norms, by making a substantiated decision and logical analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnostics under the supervision of a doctor at a healthcare institution (according to list 2.1).
5. To diagnose emergencies under any circumstances (at home, on the street, at a medical institution), under emergency conditions, in case of martial law, lack of information and limited time (according to list 4).
6. To plan and implement measures to prevent dental diseases among the population to prevent the spread of dental diseases.
7. To analyze the epidemiological situation and carry out measures of mass and individual, general and local medicinal and non-medicinal prevention of dental diseases.
8. To determine the approach, plan, type and principle of treatment of dental disease (according to list 2) by making a substantiated decision according to existing algorithms and standard schemes.
9. To determine the nature of the mode of work, rest and the necessary diet in the treatment of dental diseases (according to list 2) on the basis of preliminary or final clinical diagnosis by making a substantiated decision according to existing algorithms and standard schemes
10. To determine the tactics for a dental patient with somatic pathology (according to list 3) by making a substantiated decision according to existing algorithms and standard schemes.
11. To conduct treatment of major dental diseases according to existing algorithms and standard schemes under the doctor's supervision at a healthcare facility (according to list 2.1).
12. To organize medical and evacuation measures among the population, servicemen, under emergency situations, including martial law, during the stages of medical evacuation, taking into account the existing system of medical and evacuation support.
13. To determine the tactics of emergency medical care, using the recommended algorithms, under any circumstances on the basis of a diagnosis of emergency in a limited time (according to list 4).
14. To analyze and evaluate governmental, social and medical information using standard approaches and computer information technology.
15. To assess the impact of the environment on the health of the population at a medical institution according to standard methods.
16. To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs
17. To adhere to a healthy lifestyle, using the techniques of self-regulation and self-control.
18. To be aware of and guided in one's activities by civil rights, freedoms and responsibilities, to raise the general cultural level.
19. To adhere to the requirements of ethics, bioethics and deontology in the professional activities.
20. To organize the necessary level of individual safety (one's own and that of patients) in case of typical dangerous situations in the individual field of activity.
21. To perform medical procedures on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and under different conditions (according to list 6).
22. To perform medical dental procedures on the basis of preliminary and / or final clinical diagnosis (according to lists 2, 2.1) for different segments of the population and under different conditions (according to list 7).

<p>23. To perform emergency medical care procedures, using standard schemes, under any circumstances on the basis of an emergency diagnosis (according to list 4) within a limited period of time (according to lists 6, 7).</p> <p>24. To develop measures for organization, integration of dental care and marketing of medical services, including dental services in the functioning of a healthcare institution, its unit, in a competitive environment.</p>	
8. Resource support for program implementation	
Staff	<p>Academic staff of the departments of the University fully provide training for higher education applicants in the specialty 221 “Dentistry” in accordance with the License conditions (Resolution of the Cabinet of Ministers of Ukraine “On approval of license conditions for academic activities of educational institutions” as of 30.12.2015 No.1187 as amended as of 10.05.2018 No.347). The formation of a high-quality research and teaching staff is ensured by the scientific postgraduate training at the University and by the recruitment of teachers with degrees and academic titles in professional and pedagogical activities on a competitive basis by concluding contracts. Members of the support group who implement the educational component of the academic and professional program have qualifications and relevant specialties: higher education, scientific degree and / or academic title, confirmed level of scientific and professional activity. 100% of scientific and pedagogical employees of the support group are full-time employees of the University. Teaching lecture material for higher education applicants is 100% provided by scientific and pedagogical staff with a scientific degree and academic title.</p>
Material and technical support	<p>The material and technical base of Poltava State Medical University allows to carry out the educational process, scientific and medical work at the modern level in accordance with the requirements of state standards of higher education for training, curriculum and program components of academic and professional program. The training conditions of higher education applicants of the University fully meet the hygienic requirements.</p> <p>The University has a total area of 51343.9 m². There are 15 buildings on its balance, including: 5 educational buildings (total area - 23202.2 m²), four dormitories (total area - 23476.2 m²), a dental center, sports and recreation complex, dining room, utility buildings, vivarium, hangars, health and sports camp. All buildings have technical passports. The area of educational premises that are directly used in the training process amounts to: educational premises located in the buildings of the University - 21179.8 m², educational premises of departments, which are located at health care facilities - 12452.45 m².</p> <p>Training of higher education applicants is carried out on clinical bases that have the appropriate material and technical support, which meets the requirements for health care facilities with the right to train doctors: modern dental equipment, universal dental units, modern devices for ultrasound diagnostics, simulators, models, phantoms, mannequins. During practical classes at clinics, diagnostic equipment is used: ultrasound diagnostic devices, computer tomographs, X-ray diagnostic devices, etc. Lecture halls are 100% equipped with multimedia equipment.</p> <p>To implement all practical skills and to ensure the work with simulated patients, the University created the Educational and Scientific Medical Unit “Dental Center”. To increase the level of knowledge in the specialty and the in-depth practical training, diagnostic centers were created: Regional Scientific and Practical Center for Oral Diseases, Scientific and</p>

	<p>Methodological Center for Primary Prevention of Dental Diseases in Children of Poltava region, Educational and Consultative Diabetological Center, Training and Rehabilitation Laboratory Clinic, Educational and Practical Center for Rehabilitation of Cancer Patients, N.M. Maksymovych-Ambodyk Training and Practical Training Center of Modern Technologies in Perinatal Medicine, Training and Practical Center for General Practice of Family Medicine, Poltava Regional Antihypertensive Center, Poltava Regional Training Research and Practice Center for Interventional Radiology, Training and Diagnostic Pulmonology Center, Training, Diagnostic and Treatment Center for Patients with Parkinson's Disease and Degenerative Diseases, Training, Diagnostic and Treatment Center for Patients with Primary Headache.</p> <p>In May 2020, a new Simulation Center was opened, equipped with modern simulators to master practical skills and conduct Objective structured clinical examination as part of the State certification of applicants for the second (master's) level of higher education in the specialty 221 “Dentistry”.</p> <p>The book supply of most components of academic and professional program meets the licensing requirements. There is a virtual reference service, interlibrary lending department. All resources and services of the library are presented on the Internet through a blog.</p> <p>Applicants' supply with computers during training fully complies with regulations. The local network of the University is connected to the Internet by means of a fiber-optic cable with a bandwidth of 1 GB / sec of guaranteed flow. To organize students' access to the Internet, wireless communication is organized, covering the areas of dormitories №1, №2, №3, №4, libraries and all buildings of the University.</p> <p>The sports base of the University for practical classes in physical education and work of sports sections is represented by 5 sports halls (2052.2 m²) and sports grounds (3608 m²).</p>
<p>Information, educational and methodical support</p>	<p>Information and teaching support meets the licensing conditions of educational activities for training of specialists at the second (master's) level of higher education and includes: schedule, curriculum, working curricula of academic disciplines, thematic plans of lectures, practical and seminar classes, guidelines for teachers, methodical development of lectures and instructions on the organization of students' self-directed work, syllabuses, criteria for assessing knowledge, lists of questions for continuous and final control, list of questions for exams, list of situational and test tasks, list of recommended teaching materials, visual and technical teaching aids. Educational and methodical documentation is prepared by academic staff of the departments. Provision of educational materials for each component of academic and professional program is 100%.</p> <p>The official website of the University https://www.pdmu.edu.ua/ contains basic information about its activities and available electronic resources, containing educational and methodological materials for components of academic and professional program, in the system of distance learning in particular. Distance learning at the University was developed in connection with the introduction of video conferencing technology: software Lync 2010, TrueConf and software and hardware POLYCOM QDX-600.</p>
<p>9. Academic mobility</p>	
<p>National credit mobility</p>	<p>The right to national credit mobility is exercised on the basis of the Law of Ukraine “On Higher Education” and agreements between higher educational institutions (scientific institutions) of Ukraine, or their main structural units.</p>

International credit mobility	The right to international credit mobility is implemented on the basis of international agreements on cooperation in education and research, international programs and projects (Erasmus+), and can also be exercised by a Ukrainian participant of the educational process on their own initiative, supported by Poltava State Medical University, where they study, based on individual invitations.
Training of foreign applicants for higher education	Admission to study of foreign citizens and persons without citizenship is carried out in accordance with the “Rules of admission to Poltava State Medical University” on the basis of the results of their training at the preparatory department. Training of foreign applicants for higher education and persons without citizenship is carried out in accordance with the “Regulations on the organization of the educational process at Poltava State Medical University”.