ECTS

Program Information Package

Program: Tıbbi Laboratuvar Teknikleri Programı | Total ECTS: 120 | Date of Issue: 22.11.2026

Program Information

Program Name	Tıbbi Laboratuvar Teknikleri Programı
Education Level	Pre Bachelor
Language of Instruction	Turkish
Program Duration	4 Semesters
Maximum Duration	8 Semesters
Head of Program	Prof. Dr. Hasan ÖZDOĞAN
Internship	Not Required
Total ECTS	120

Admission and Registration Requirements

Students are admitted to the Medical Laboratory Techniques Program based on their TYT (Basic Proficiency Test) scores from the university entrance exams administered annually by ÖSYM (Turkish Higher Education Institutions Examination Center), using the previous year's minimum scores as a basis for their preferences.

Graduation Requirements

According to Article 40 of our University's Undergraduate and Associate Degree Education, Teaching and Examination Regulations, a student is entitled to receive an associate degree from the relevant program if they successfully complete all courses included in the curriculum of the program in which they are enrolled, have a general grade point average of at least 2.00 out of 4.00, and have completed a total of at least 120 ECTS credits.

Occupational Profiles of Graduates

Mezunlarımız, devlet ve üniversite hastaneleri sağlık ocakları, tahlil laboratuvarları ve ayrıca özel sektördeki tıbbi laboratuvar ve polikliniklerde tıbbi laboratuvar teknikeri olarak çalışma imkanı bulabilirler.

Occupational Profiles of Graduates

Our graduates can find employment as medical laboratory technicians in state and university hospitals, health centers, testing laboratories, as well as in medical laboratories and clinics in the private sector.

About the Program

T.C. Yükseköğretim Kurulu Başkanlığı'nın 03.04.2019 tarihli Yükseköğretim Yürütme Kurulu Toplantısı'nda, 2547 Sayılı Kanun'un 2880 Sayılı Kanun'la değişik 7/d-2 maddesi uyarınca, Meslek Yüksekokulu bünyesinde Tıbbi Laboratuvar Teknikleri Programı'nın kurulması uygun görülmüştür. Tıbbi Laboratuvar Teknikleri Programı, hastalıkların tanı ve takibinde kullanılan laboratuvar analizlerini gerçekleştirebilecek nitelikli sağlık teknikeri yetiştirmeyi amaçlayan bir ön lisans programıdır. Programda öğrencilere biyokimya, mikrobiyoloji, hematoloji ve ilgili laboratuvar alanlarında teorik ve uygulamalı eğitim verilmektedir.

About the Program

At the Higher Education Executive Board Meeting of the Council of Higher Education of the Republic of Turkey on April 3, 2019, it was deemed appropriate to establish the Medical Laboratory Techniques Program within the Vocational School, in accordance with Article 7/d-2 of Law No. 2547, as amended by Law No. 2880. The Medical Laboratory Techniques Program is an associate degree program aiming to train qualified healthcare technicians capable of performing laboratory analyses used in the diagnosis and monitoring of diseases. The program provides students with theoretical and practical training in biochemistry, microbiology, hematology, and related laboratory fields.

Exams, Assessment and Evaluation

Exams at our university consist of midterm exams, final exams, make-up exams, exemption exams, supplementary exams, and single-course exams. Exams are conducted according to the program prepared and announced by the Vocational School of Health Services. Student ID cards must be presented to enter the exams. Our university does not have a make-up exam system; however, a summer school program is available. A midterm exam is an exam given during the semester in which a course is taught within the curriculum of the associate degree program at the Vocational School of Health Services. Each course has at least one midterm exam per semester, or assignments, projects, and similar work done in class may be used in place of a midterm exam at the discretion of the course instructor. A final exam is an exam held at the end of the semester in which the course is taught, within the dates specified in the academic calendar. To be eligible to take final exams, students must complete 70% attendance. The grade ranges for passing a course are as follows:

Program Educational Objectives

Hastane, laboratuvar ve kliniklerde kullanılan cihazların çalıştırılması, hastalıkların tanı, takip ve tedavisi için hekimlerin gerekli gördüğü tıbbi analizlerin yapılabilmesi ile ilgili donanımlı sağlık personellerinin yetiştirilmesi amaçlanmaktadır. Tıbbi laboratuvar teknikleri programı bu alanda önemli olan en güncel konuları programına dahil ederek öğrencilerini tam donanımlı olarak mezun etmeyi hedeflemektedir. Bu programdan mezun olan öğrenciler, laboratuvar ekipman, makine ve malzemelerini kullanarak tıbbi materyallerin biyolojik (biyokimyasal, mikrobiyolojik, patolojik, hematolojik vb.) analizlerini yapabilme bilgi ve becerisine sahip olmaktadırlar.

Program Educational Objectives

The aim is to train healthcare personnel equipped to operate equipment used in hospitals, laboratories, and clinics, and to perform medical analyses deemed necessary by physicians for the diagnosis, monitoring, and treatment of diseases. The Medical Laboratory Techniques program aims to graduate its students fully equipped by incorporating the most up-to-date topics in this field. Graduates of this program possess the knowledge and skills to perform biological (biochemical, microbiological, pathological, hematological, etc.) analyses of medical materials using laboratory equipment, machinery, and materials.

Recognition of Prior Learning

ÖSYM tarafından yapılan merkezî yerleştirme, başarı koşulu ile yurtiçi ve yurtdışı kurumlar arası yatay geçiş, merkezî yerleştirme puanı ile kurumlar arası ve kurum içi yatay geçiş ile programımıza öğrenci kabul edilmektedir.Tıbbi Laboratuvar Teknikleri Programına kabul edilen öğrenciler, kayıt yaptırmadan önce kayıtlı oldukları lisans veya ön lisans programlarından başarılı oldukları derslerin programımız ders müfredatına intibak ettirilmesini talep edebilirler. Bu talep, öğrencinin öğrenim görmeye başlayacağı akademik yılın başında Sağlık Meslek Yüksek Okulu'na yazacağı bir dilekçe ile yapılır. Talepte bulunan öğrencinin, dilekçesine onaylı bir not döküm (transkript) belgesinin aslını eklemesi gereklidir. İntibak işlemi, Sağlık Meslek Yüksek Okulu Yönetim Kurulunun ve görevlendireceği komisyonların belirlediği esaslar çerçevesinde gerçekleştirilir. İntibak işlemlerinde ders içerikleri ve AKTS yükü gözetilir.

Recognition of Prior Learning

Students are admitted to our program through central placement by ÖSYM (Student Selection and Placement Center), domestic and international inter-institutional transfer based on academic achievement, and inter-institutional and intra-institutional transfer based on central placement scores. Students accepted to the Medical Laboratory Techniques Program may request that courses successfully completed in their previous undergraduate or associate degree programs be adapted to our program's curriculum before enrollment. This request is made by submitting a petition to the Vocational School of Health Services at the beginning of the academic year in which the student will begin their studies. The student making the request must attach an original certified transcript to their petition. The adaptation process is carried out within the framework of the principles determined by the Board of Directors of the Vocational School of Health Services and the committees it appoints. Course content and ECTS credit load are taken into consideration during the adaptation process.

Transition to Higher Degree Programs

Graduates of the Medical Laboratory Techniques Program have the opportunity to transfer to undergraduate programs announced by ÖSYM (Turkish Higher Education Institutions Examination Center) through the vertical transfer exam.

Program Outcomes

PÇ-1 Has the ability to communicate effectively in Turkish using verbal, written and visual methods, as well as write reports and make presentations.

PÇ-2 Has the ability to work effectively both individually and in interdisciplinary and multidisciplinary teams.

PÇ-3 Has the awareness of the necessity of lifelong learning and the ability to access information, follow developments in science and technology and constantly renew oneself

PÇ-4 Gains knowledge about project management, risk management,innovation and change management and sustainable development

PÇ-5 Has awareness about proffessional competence and sectors

PÇ-6 Acts in accordance with proffessional and ethical responsibility awareness and ethical principles.

PÇ-7 Has basic, current and practical knowledge about his/hers profession

PÇ-8 Communicates effectively with colleagues, patients, relatives, physicians and other healthcare proffesionals

PÇ-9 Has knowledge about occupational health and safety, environmental awareness and quality processes

PÇ-10 Uses professiponal-related information technologies (software, programs, animations, etc.) effectively

PÇ-11 Has the ability to independently evaluate proffesional problems and issues with an analytical and critical approach and to propose solutions

PÇ-12 Keeps up with information in his/hers field and communicates with colleagues using a foreign language

PÇ-13 Know the medical laboratory environment and its functioning

PÇ-14 Samples coming to the medical laboratory; defines and performs the processes of accepting, analyzing, reporting and communicating results

PÇ-15 Explain laboratory hygiene, safety and waste management.

NQF Matrix

Subject Area Level 5 (Associate Degree)	No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Beceriler	1	x	x	–	–	x	x	–	x	–	–	x	–	x	x	x
	2	–	–	–	–	x	–	–	–	–	x	x	–	–	x	–
Bağımsız Çalışabilme ve Sorumluluk Alabilme Yetkinliği	1	x	x	–	–	x	–	–	x	–	–	x	–	x	x	x
	2	x	x	–	–	x	–	–	x	–	–	x	–	x	x	x
	3	x	x	–	–	–	x	–	x	–	–	–	–	x	–	x
Öğrenme Yetkinliği	1	–	x	–	–	x	x	–	–	–	–	x	–	x	x	x
	2	–	x	–	–	x	x	–	–	–	–	x	–	x	x	x
	3	x	x	x	–	x	x	–	–	–	–	x	–	x	–	x
İletişim ve Sosyal Yetkinlik	1	x	–	–	–	x	x	–	x	–	–	x	–	x	x	x
	2	x	x	–	–	x	x	–	x	–	–	x	–	–	x	x
	3	x	–	–	–	–	x	–	–	–	–	x	x	–	–	x
	4	–	–	–	–	–	–	–	–	–	x	–	x	–	–	–
	6	–	–	–	–	x	x	–	–	–	–	x	–	–	–	x
Alana Özgü Yetkinlik	1	x	x	–	–	x	x	–	–	–	–	x	–	–	x	–
	2	–	–	–	–	x	x	–	–	x	–	–	–	–	–	x
	3	–	–	–	–	x	–	–	–	x	–	x	x	x	–	x
	4	–	–	–	–	x	–	–	x	x	–	–	–	–	–	–
	5	x	–	–	–	–	x	–	–	–	–	–	–	–	–	–
	6	x	x	–	–	–	x	–	–	x	–	x	–	–	–	–

Course Plan

2026 Tıbbi Laboratuvar Teknikleri

Semester 1

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ANT 1001	Anatomi	2	0	0	2	3	Turkish
FIZ 1001	Fizyoloji	2	0	0	2	3	Turkish
TLT 1003	Genel Biyoloji	2	0	0	2	4	Turkish
TLT 1009	Tıbbi Terminoloji Bilgisi	2	0	0	2	3	Turkish
TLT 1001	Temel Laboratuvar Uygulamaları I	2	3	0	4	6	Turkish
TLT 1005	Mikrobiyoloji	3	0	0	3	4	Turkish
TLT 1011	Hematoloji	-1	0	0	2	3	Turkish
TLT 1007	Biyokimya	3	0	0	3	4	Turkish

Semester 2

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TLT 1002	Temel Laboratuvar Uygulamaları II	2	3	0	4	6	Turkish
TLT 1004	Tıbbi Biyoloji ve Genetik	2	0	0	2	4	Turkish
TLT 1006	Klinik Biyokimya	3	0	0	3	4	Turkish
TLT 1008	Klinik Mikrobiyoloji	3	0	0	3	4	Turkish
TLT 1010	Patoloji	2	0	0	2	3	Turkish
ISG 1002	İşçi Sağlığı ve İş Güvenliği	2	0	0	2	3	Turkish
TBT 1002	Temel Bilgi Teknolojileri	2	0	0	2	3	Turkish
TLT 1012	Parazitoloji	2	0	0	2	3	Turkish

Semester 3

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ATA 101	Atatürk's Principles and Revolutionary History I	2	0	0	2	2	Turkish
İNGO 101	English I	2	0	0	2	2	English
TR 101	Turkish Language I	2	0	0	2	2	Turkish

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TLT 2003	Alan İçi Seçmeli II	0	0	0	0	8	-
TLT 2001	Alan İçi Seçmeli II	0	0	0	0	8	-
TLT 2005	Alan İçi Seçmeli I	0	0	0	0	4	-
TLT 2007	Alan İçi Seçmeli I	0	0	0	0	4	-

Semester 4

Code	Course Name	L	P	Lab	Credit	ECTS	Language
KPL 101	Career Planning	1	0	0	1	2	Turkish
TR 102	Turkish Language II	2	0	0	2	2	Turkish
İNGO 102	English II	2	0	0	2	2	English
ATA 102	Atatürk's Principles and Revolutionary History II	2	0	0	2	2	Turkish
TLT 2002	Alan İçi Seçmeli II	0	0	0	0	8	-
TLT 2004	Alan İçi Seçmeli I	0	0	0	0	4	-
TLT 2006	Alan İçi Seçmeli I	0	0	0	0	4	-
UNI 1000	University Elective Courses	0	0	0	0	3	-
UNI 1000	University Elective Courses	0	0	0	0	3	-

Semester 5

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 6

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 7

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 8

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

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