SAĞLIK
BİLİMLERİ
ENSTİTÜSÜ

ANALYTICAL CHEMISTRY GRADUATE PROGRAMS

ACADEMIC STAFF

SAĞLIK BİLİMLERİ ENSTİTÜSÜ

- Prof. Dr. Nusret ERTAŞ
- Prof. Dr. Hasan BASAN
- Prof. Dr. Uğur TAMER
- Prof. Dr. Hayriye Eda ŞATANA KARA
- Prof. Dr. Aysel BERKKAN **(Head of Department)**
- Prof. Dr. Orkun ALP
- Doç. Dr. Hilal TORUL
- Res. Asst. Dr. Hüma YILMAZ
- Res. Asst. Mehmetcan BİLKAY

FIELDS OF RESEARCH

SAĞLIK BİLİMLERİ ENSTİTÜSÜ

- Development and validation of active drug substance determination methods from various pharmaceutical forms
- Development of sample pre-enrichment methods
- Trace element determination with atomic spectroscopic techniques
- Development and validation of chromatographic and capillary electrophoretic analysis methods
- Molecularly imprinted polymer synthesis and applications
- Development of electrochemical and spectrophotometric biosensors
- Method development and validation for the determination of analytes in different samples using the ICP/MS method
- Determination of drug-DNA interactions with various analytical methods
- Nanoparticle synthesis, characterization and use for the determination of analytes in various samples.
- Analysis of biological samples
- Development and validation of analysis methods of herbal products

RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)

SAĞLIK BİLİMLERİ ENSTİTÜSÜ

1. ICP-MS (Agilent Technologies)
2. Atomic Fluorescence Spectrometer (PS Analytical)
3. HPLC (Agilent Technologies)
4. GC (Agilent Technologies)
5. Microwave System(Ethos Easy)
6. Atomic Absorption Spectrometer (Unicam 939)
7. Peristaltic Pump (Gilson Miniplus)
8. Potentiostat/Galvanostat (Gamry, Autolab, Methrom DropSens)
9. 3D Writer (Raise 3D)
10. UV-VIS Spectrophotometer (Analytik Jena)
11. Fluorescence Spectrophotometer (Agilent Technologies)
12. Capillary Electrophoresis (Agilent Technologies)
13. Oven (Nüve)
14. Vacuum Oven
15. Centrifuges
16. Orbital Shaker
17. Precision Balance Scales
18. Ultrasonic Bath
19. UV Cabinet-Lamp
20. pH-Meter
21. Magnetic Stirrer
22. Spincoating system (Specialty Coating System)
23. Deionized water device

QUOTA NUMBERS AND PROGRAM ADMISSION REQUIREMENTS FOR SPRING SEMESTER 2026/2027

SAĞLIK BİLİMLERİ ENSTİTÜSÜ

QUOTA			SCORE TYPE	PROGRAM TYPE	SCORE CRITERIA		
MASTER'S DEGREE	DOCTORATE	FOREIGN NATIONAL MA/DR.			ALES SCORE/ *TUS*	FOREIGN LANGUAGE SCORE	GRADUATION GRADE (UNDERGRADUATE/ MA)
5	2	-	NUM.	MASTER'S DEGREE	70	45	2,00/4,00
			NUM.	DR.	70	55	2,00/4,00

UNDERGRADUATE PROGRAMS ADMITTING STUDENTS		
MASTER'S DEGREE	2544	FACULTY OF PHARMACY
	2124 -2866	BIOLOGY
	3743-8436	CHEMISTRY
	3749	CHEMICAL ENGINEERING
	3080	FOOD ENGINEERING
	2865	SCIENCE EDUCATION

UNDERGRADUATE PROGRAMS ADMITTING STUDENTS

DOCTORATE	2544	FACULTY OF PHARMACY (5 YEARS)
	2844	PHARMACEUTICAL CHEMISTRY (PHARMACY)
	2850	PHARMACEUTICAL TECHNOLOGY
	2843	PHARMACEUTICAL CHEMISTRY
	1788	ANALYTICAL CHEMISTRY
	5370	SCHOOL OF MEDICINE
	2113	BIOCHEMISTRY
	2115	BIOCHEMISTRY (PHARMACY)
	2116	BIOCHEMISTRY (FACULTY OF SCIENCE, SCIENCE AND LITERATURE, FACULTY OF BASIC SCIENCES)
	2117	BIOCHEMISTRY (ENGINEERING)
	2119	BIOCHEMISTRY (MEDICAL)
	2838	PHARMACEUTICAL BIOCHEMISTRY
	3746	CHEMISTRY, BIOCHEMISTRY
	3744	CHEMISTRY, ANALYTICAL CHEMISTRY
	1789	ANALYTICAL CHEMISTRY (FACULTY OF SCIENCE, SCIENCE AND LITERATURE, FACULTY OF BASIC SCIENCES)
	3743	CHEMISTRY
	2912	PHYSICAL CHEMISTRY
	3748	CHEMISTRY, PHYSICAL CHEMISTRY
	7539	CHEMISTRY, ORGANİK CHEMISTRY
	4389	ORGANIC CHEMISTRY
	4388	ORGANIC CHEMISTRY (FACULTY OF SCIENCE, SCIENCE AND LITERATURE, FACULTY OF BASIC SCIENCES)