Isparta University of Applied Sciences
Uluborlu Selahattin Karasoy Vocational School
Department of Electronics and Automation
Biomedical Device Technology Program (Daytime Education)

General Information About the Program	BIOMEDICAL DEVICE TECHNOLOGY PROGRAM	
Program Director (Head of Department, Head of Division, Head of Science Branch, Program Coordinator)	Head of Department: Lecturer Dr. Arzu ULUSOY	
Education System		
Formal Education (X)	Evening Education ( )	Distance Education ( )

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History of the Department / Program

The Biomedical Device Technology Program was established by the decision of the General Assembly of the Council of Higher Education.

Mission	Vision
The mission of the program is to contribute to sustainable development in healthcare technologies by training individuals who are competent in biomedical device technologies, open to interdisciplinary collaboration, and equipped with scientific and practical skills.	The program aims to become: • A strong and innovative educational program integrated with the healthcare sector, • A nationally and internationally recognized department, • A program that creates social benefit and technological impact in healthcare services.

Purpose of the Program

Strategic Goals and Objectives of the Biomedical Device Technology Program
Goal 1: Improving Professional Competence and the Quality of Applied Education
Objective 1.1
To continuously update laboratories, workshops, and application areas related to biomedical device technologies in line with current industry technologies.
Objective 1.2
To diversify and enhance vocational training and internship processes through protocols established with healthcare institutions and industry stakeholders.
Objective 1.3
To strengthen students' professional skills by enriching course content through practice-based, project-based, and case-based learning approaches.
Goal 2: Providing an Education Program Compatible with Digital and Technological Transformation
Objective 2.1
To integrate current developments in biomedical devices, healthcare technologies, and digital systems into the curriculum.
Objective 2.2
To organize practical courses and activities aimed at improving students' digital literacy, data interpretation, and technological equipment usage skills.
Objective 2.3
To encourage certification and modular training opportunities that support professional competencies.
Goal 3: Training Qualified and Employable Graduates Required by the Sector
Objective 3.1

To create a graduate profile that meets sector expectations through collaboration with the healthcare sector, biomedical companies, and technical service providers.
Objective 3.2
To organize practical training seminars and technical training programs with the contributions of expert industry representatives.
Objective 3.3
To expand graduate tracking, career days, and mentoring activities that strengthen graduate–student–industry interaction.
Goal 4: Strengthening the Culture of Projects, Research, and Innovation
Objective 4.1
To encourage project-based and solution-oriented studies involving both students and academic staff.
Objective 4.2
To support the development of projects in the field of healthcare technologies that are aligned with sustainable development goals.
Objective 4.3
To increase participation in scientific, technological, and sectoral projects carried out at national and local levels.
Goal 5: Contributing to Social Benefit and Regional Development
Objective 5.1
To conduct social responsibility projects that raise public awareness in the field of biomedical device technologies.
Objective 5.2
To develop joint educational, project, and application activities with local governments, healthcare institutions, and regional stakeholders.
Objective 5.3
To organize training, information, and technical support activities in areas needed by society and the region.

General Information About the Education System

The program is a two-year associate degree program. Within the scope of the 3+1 Education Model, the education program consists of four semesters:
three semesters of formal education,
and one semester of workplace training.

Each semester includes a total of 15 weeks (70 working days) of courses. In addition, students are required to complete a compulsory internship of 30 working days.

Inter-Program Exchange and Transfer Conditions

Transfers between programs are carried out in accordance with the regulations and directives governing intra-institutional transfers, inter-institutional transfers, and horizontal transfers based on the central placement score (Additional Article 1).

Transfer Regulations Information Page
(https://oidb.isparta.edu.tr/tr/yonetmelikler/yuksekogretim-kurumlarinda-onlisans-ve-lisans-duzeyindeki-programlar-arasinda-gecis-ciftanadal-yan-dal-ile-kurumlar-arasi-kredi-transferi-yapilmasi-esaslarina-iliskin-yonetmelik-10324s.html)

Physical and Technical Infrastructure

For educational activities, our program provides:

- 3 Classrooms
- 1 Electronics Laboratory
- 1 Biomaterials and Medical Devices Laboratory

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Student Profile			
Quota (Daytime Education)			
2024		2025	
Quota	54	Quota	32
Highest and Lowest Admission Scores	268,68831-306,63128	Highest and Lowest Admission Scores	279,93186-298,75131

Title Awarded to Graduates and Employment Opportunities

Graduates of the program are awarded the title of Biomedical Device Technology Technician. They have employment opportunities in the technical departments of companies operating in the field of biomedical devices.

Biomedical Device Technology Technicians work in public and private hospitals, laboratories, dispensaries, medical device manufacturing factories, and medical device maintenance and repair workshops or technical service units.

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Academic Staff of the Program		
Title, Name and Surname	**Title, Name and Surname**	**Title, Name and Surname**
Lecturer Dr. Arzu ULUSOY	Lecturer Elif ÇUKUR OĞUZ	Lecturer Sevde Nur KUTLU
Lecturer Hasan Bahadır GÜR		

Academic Advancement

After graduating from the Biomedical Device Technology Program, students who are successful in the Vertical Transfer Examination (DGS) administered by ÖSYM may continue and complete a four-year undergraduate degree in the following departments:

- Biomedical Engineering
- Electronics Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Mechanical Engineering

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WORKPLACE TRAINING

Since the 2019–2020 academic year, our department has implemented the Workplace Training Model in all of its programs in order to adapt curricula to current conditions and provide qualified workforce for both the public and private sectors.

The main objective of the Workplace Training Model is to educate qualified personnel required by the business world by equipping students with current technologies and professional knowledge in cooperation with industry.

Within the scope of this model, the four-semester education program is organized as three semesters of formal education and one semester of full-time practical training in workplaces.

The purpose of workplace training is to enable workplaces to better recognize students, assign responsibilities to them, and facilitate employment opportunities for graduates after the completion of the training period, since the workplace training lasts for one semester (70 working days / 15 weeks).