

2024-2025 ACADEMIC YEAR

BIOMEDICAL DEVICE TECHNOLOGY PROGRAMME

PROGRAMME QUALIFICATIONS EVALUATION SURVEY RESULT REPORT

#	Soru	A	A (K)	A (E)	A Oran	B	B (K)	B (E)	B Oran	C	C (K)	C (E)	C Oran	D	D (K)	D (E)	D Oran	E	E (K)	E (E)	E Oran
1	Temel elektrik-elektromekanik ölçme ve analizleri yapar.	5	3	2	%16	4	1	3	%13	12	7	5	%39	2	0	2	%6	8	3	5	%26
2	Biyomedikal cihazlarının kurulumunu yapar	4	4	0	%13	3	1	2	%10	13	6	7	%42	5	1	4	%16	6	2	4	%19
3	Temel elektronik devre uygulamalarını yapar.	3	2	1	%10	3	0	3	%10	16	10	6	%52	2	0	2	%6	7	2	5	%23
4	Biyomedikal cihazlarla ilgili envanter çalışmaları yapar.	2	2	0	%6	5	2	3	%16	13	7	6	%42	4	1	3	%13	7	2	5	%23
5	Görüntüleme cihazlarını kurarak periyodik bakımlarını yapar .	3	2	1	%10	5	2	3	%16	15	7	8	%48	2	1	1	%6	6	2	4	%19
6	Hasta dışı uygulama cihazlarının arızalarını tespit ederek arızalarını giderir.	3	2	1	%10	5	2	3	%16	14	7	7	%45	3	1	2	%10	6	2	4	%19
7	Tıbbi laboratuvar cihazlarında arızaları tespit ederek arızaları giderir.	4	3	1	%13	6	2	4	%19	11	5	6	%35	5	2	3	%16	5	2	3	%16
8	Dolaşım,solunum cihazlarının bakım ve onanmasını yapar	2	2	0	%6	7	3	4	%23	10	5	5	%32	7	2	5	%23	5	2	3	%16
9	Mesleki ve kişisel eğitim faaliyetlerine katılır.	2	2	0	%6	0	0	0	%0	13	5	8	%42	5	1	4	%16	11	6	5	%35
10	Öğretme faaliyetlerini yürütür.	2	2	0	%6	1	1	0	%3	13	5	8	%42	5	1	4	%16	10	5	5	%32
11	Kişisel,sosyal yeterlikler,beceriler	2	2	0	%6	0	0	0	%0	11	5	6	%35	7	2	5	%23	11	5	6	%35
12	Bağımsız çalışabilme.	1	1	0	%3	2	2	0	%6	10	3	7	%32	6	2	4	%19	12	6	6	%39
13	Birlikte çalışmaya yatkın olabilme	2	2	0	%6	0	0	0	%0	12	4	8	%39	4	0	4	%13	13	8	5	%42
14	Alanında ve insan ilişkilerinde etik olabilme	0	0	0	%0	2	2	0	%6	10	3	7	%32	6	2	4	%19	13	7	6	%42
15	İnsiyatif kullanabilme	2	2	0	%6	0	0	0	%0	11	3	8	%35	6	3	3	%19	12	6	6	%39
16	Yazılı ve sözlü iletişim kurabilme	2	2	0	%6	0	0	0	%0	9	4	5	%29	7	2	5	%23	13	6	7	%42
17	Alanında edindiği bilgi ve becerileri değerlendirebilme	2	2	0	%6	0	0	0	%0	12	5	7	%39	7	2	5	%23	10	5	5	%32
18	Öğrenmeyi öğrenme ve yönetebilme	2	2	0	%6	1	1	0	%3	9	3	6	%29	6	2	4	%19	13	6	7	%42
19	Bir yabancı dili kullanarak alanındaki bilgileri izleyebilme	4	2	2	%13	3	2	1	%10	13	5	8	%42	3	2	1	%10	8	3	5	%26
20	Alanının gerektirdiği bilişim ve iletişim teknolojilerini kullanabilme	1	1	0	%3	2	2	0	%6	15	6	9	%48	3	2	1	%10	10	3	7	%32
21	Atatürk İlkeleri ve İnkılap Tarihi ile Türk Dili konusunda bilgilidir ve yeterli bilince sahiptir.	2	2	0	%6	1	1	0	%3	14	5	9	%45	2	0	2	%6	12	6	6	%39

A- I never passed the qualification

B-I gained minimal qualification

C-I gained the competence at an intermediate level

D-I gained competence to a great extent

E-I gained the competence completely

1. Introduction

This report includes the analysis of the 'Programme Competencies Assessment Survey' results in which 31 students enrolled in the Biomedical Device Technology Technician Programme participated. The questionnaire is a study in which students evaluate themselves in the specified professional competence areas. The assessment was made between A (not at all) and E (fully achieved), and the analysis is based on the rates at level E.

2. Strongest Competences

The areas of competence where students reported the highest gains are as follows:

1. Learning and managing learning (42%)
2. Written and oral communication (42%)
3. Being ethical in their field and human relations (42%)
4. Being able to work together (42%)
5. Being conscious about Atatürk's Principles and History of Turkish Revolution and Turkish Language (39%)

Interpretation: The high level of proficiency in these areas indicates that students obtained strong outcomes from the programme in terms of social and personal development. The contents of the programme for communication, ethics, learning awareness, and citizenship awareness are effective.

3. Weakest Competences

The areas of competence where students reported the lowest gains are as follows:

1. Ability to provide biomedical device use and training in clinical environment (13%)
2. Basic analysis and fault diagnosis skills in biomedical systems (13%)
3. Installation and periodic maintenance of imaging devices (19%)
4. Installation of biomedical devices (19%)
5. Ability to perform basic electromechanical measurement and analysis operations (26%)

Comment: Most of the weak competences are related to application-based technical skills. This situation shows that students have limited opportunities to practice in the field or that practical competences are not sufficiently supported in the education process.

4. Suggestions for Improvement

- **Applied Laboratory Training should be increased:** Workshop facilities where installation, maintenance, and measurement studies can be conducted on real devices should be developed.
- **Fault Diagnosis and System Analysis Oriented Trainings:** Case-based trainings should be organised to teach students systematic fault diagnosis skills.
- **Clinical Environment Observation and Internships:** Longer and more comprehensive internship programmes should be planned by increasing cooperation with hospital biomedical services.
- **Compliance of Course Content with Field Reality should be Reviewed:** Courses and practices should be aligned with the sector's expectations.

5. Conclusion

According to the survey results, Biomedical Device Technology Programme students are strong in communication, ethics, and learning skills. However, there is a need for improvement in basic professional areas such as technical device use, fault diagnosis, and clinical applications. Restructuring the education process in this direction will enable graduates to participate in the sector as better-equipped individuals.