

VOCATIONAL SCHOOL OF HEALTH SERVICES

2022-2023 CURRICULUM

BIOMEDICAL DEVICE TECHNOLOGY

FIRST CLASS - SEMESTER I

FIRST CLASS - SEMESTER II

FALL SEMESTER

SPRING SEMESTER

COURSE CODE	COURSE NAME	THEORY	APPLICATION	CREDIT	ECTS
ATA101	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION I	2	0	2	3
MYO006	INTRODUCTION TO BIOMEDICAL TECHNOLOGY	2	0	2	2
BCT109	DIRECT CURRENT CIRCUIT ANALYSIS*	2	2	3	6
BCT113	ELECTRONICS COMPONENTS AND MEASURING TECHNIQUE* (BSEÇ)	2	2	3	6
INGU101	ENGLISH I	3	0	3	3
MYO101	BASIC ANATOMY AND PHYSIOLOGY	3	0	3	4
MAT101	BASIC MATHEMATICS	2	0	2	3
TURK101	TURKISH LANGUAGE I	2	0	2	3
RKUL101	UNIVERSITY CULTURE I* (ÜSEÇ)	0	2	1	1
TOPLAM		18	6	21	31

COURSE CODE	COURSE NAME	THEORY	APPLICATION	CREDIT	ECTS
BCT116	ALTERNATIVE CURRENT CIRCUIT ANALYSIS* (BSEÇ)	2	2	3	6
BCT100	FAILURE ANALYSIS AND TROUBLESHOOTING*	2	2	3	6
ATA102	ATATURK'S PRINCIPLES AND HISTORY OF REVOLUTION II	2	0	2	3
BIK101	BIOCHEMISTRY	2	0	2	2
BCT114	BIOMEDICAL MATHEMATICS	2	0	2	2
INGU102	ENGLISH II	3	0	3	3
RPSI209	POSITIVE PSYCHOLOGY AND COMMUNICATION SKILLS (ÜSEÇ)	2	0	2	3
TURK102	TURKISH LANGUAGE II	2	0	2	3
RKUL102	UNIVERSITY CULTURE II* (ÜSEÇ)	0	2	1	1
TOPLAM		17	6	20	29

SECOND CLASS - SEMESTER III

SECOND CLASS - SEMESTER IV

FALL SEMESTER

SPRING SEMESTER

COURSE CODE	COURSE NAME	THEORY	APPLICATION	CREDIT	ECTS
BCT237	DIGITAL ELECTRONICS*	2	2	3	6
BCT225	PHYSIOLOGICAL SIGNAL VIEWERS	2	0	2	4
ILK101	FIRST AID	2	0	2	3
MYO020	CAREER PLANNING AND PROFESSIONAL COMPETENCIES (BSEÇ)	2	0	2	2
BCT239	MEDICAL IMAGING DEVICES	2	0	2	5
BCT223	MEDICAL ANALYSIS AND LABORATORY DEVICES (BSEÇ)	2	0	2	4
BCT241	LIFE SUPPORT AND OPERATING ROOM DEVICES	2	0	2	5
TOPLAM		14	2	15	29

COURSE CODE	COURSE NAME	THEORY	APPLICATION	CREDIT	ECTS
MYO021	ENTREPRENEURSHIP AND PROJECT CULTURE (BSEÇ)	2	0	2	2
BCT226	HOSPITAL ORGANISATION	2	0	2	4
BCT224	MICROCONTROLLERS* (BSEÇ)	2	2	3	6
BCT230	BIOLOGICAL HAZARDS IN MEDICAL DEVICES	2	0	2	3
BCT214	ESTABLISHING QUALITY MANAGEMENT SYSTEMS ON MEDICAL DEVICES	2	0	2	3
BCT200	TEST, CONTROL AND CALIBRATION OF MEDICAL DEVICES	2	0	2	4
BCT999	SUMMER INTERNSHIP***	0	20 Work Days	0	9
TOPLAM		12	2	13	31

*	Applied Course
**	Vocational Education in Business
***	Internship

BSEÇ: Departmental Elective Courses	
ÜSEÇ: University Elective Courses	

CRITERIA REQUIRED FOR GRADUATION	
THEORETICAL HOUR	61
APPLICATION HOUR	16
LOCAL CREDIT	69
ECTS	120
TOTAL ELECTIVE COURSE ECTS (UNIVERSITY+DEPARTMENT+VSHS)	31
(25% OF TOTAL ECTS)	30