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**BERGAMA MESLEK YÜKSEKOKULU**



**ELECTRONIC TECHNOLOGY PROGRAM (İKMEP) Course Content**  
**2018-2019 ACADEMIC YEAR**

**I. YEAR I. SEMESTER**

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001012010	<b>TURKISH LANGUAGE I*</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>Course Content</b>	Introducing the aims, the basic concepts, contents, importance and rules of the course, Definition of language; the emergence and main aspects Turkish, Explaining the relation between language, literature and culture, Comprehending the different types of language (spoken language, written language, mother tongue, natural and artificial languages; dialects.), Explaining the relation between culture and language, the elements of culture; culture and civilization; cultural varieties, and differences, Introduction to the language families of the world, classification of the languages, and learning the places of the Turkish language among the others, Understanding the development and periods of the Turkish Language, Explaining the parts of grammar; phonetics and classification of phonemes in Turkish Language, Explaining the Contemporary Turkish Language period, the alphabets being used in Turkish Language, Introduction to the phonemes, vowels, consonants, syllable, consonant changes and euphony in Turkish language, The aspects of morphemes in the Turkish Language; word building structures, the stem, the body, the base, and classification of suffixes, Introduction to word classification (the nouns, adjectives, adverbs, verbs, conjunctions, ejaculations, and prepositions.), Introduction to the syntactical aspects of Turkish Language; components of sentences, variety of sentences, and exercises on sentence components, Explanation of the semantic aspects of Turkish Language; basic meaning, synonym and antonym meanings, contraction and broadening in meaning.				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001022010	<b>PRINCIPLES OF ATATURK AND RECENT TURKISH HISTORY I*</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>Course Content</b>	The aim of the course, information about the basic concepts, and strategies of the Turkish Revolution, Developments in European history, and their impact on the Ottoman Empire, 19th century reform movements in the Ottoman Empire (Tanzimat period, the First Constitutional Period), Political and military state of the Ottoman Empire during the Disintegration era, Flow of ideas in the last period of the Ottoman Empire (Ottomanism, Islamism, Turkishness, Westernization, decentralization, Socialism), Ottoman Empire during the Second Constitutional Government, World War I and the Ottoman Empire (outbreak of the war, participation of the Ottoman Empire, the fronts, and the end of the war), the signing of the Mondros Armistice, Invasions and reactions against them, Kuva-yı Milliye, Societies (national, associations hostile to the national presence, and societies of the minorities), the difficulties after the armistice, Mustafa Kemal Pasha's activities and arrival in Anatolia. The beginnings of the national struggle through organization of Congresses (Amasya Circular, Erzurum, Sivas and Western Anatolian Congresses.), Amasya interview, the arrival of the Representatives in Ankara, the last Ottoman Parliament, the adoption of the National Pact, the invasion of Istanbul, The opening of the Grand National Assembly of Turkey, the Assembly's structure, its activities and laws, domestic and foreign reactions to the opening of Parliament, Sanremo Conference, The Treaty of Sevres, threats related to today in the Sevres Treaty, the situation in East and South fronts, Dissolution of the national forces, and founding of the regular army, the Greek general attack, and wars in the Western Front Mustafa Kemal Pasha's supreme military command, Tekâlif-i Milliye orders, Sakarya War and foreign policy developments in its aftermath (Turkish-Russian, Turkish-Afghan				



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relations, the London Conference, Ankara Agreement), The Great Offensive, and signing of the Mudanya Armistice, the developments before the Lausanne Conference, the conference and the signing of the peace agreement.

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001032010	<b>FOREING LANGUAGE I**</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>
<b>Course Content</b>	Introducing yourself, Numbers 0-10 Indefinite articles Classroom language Story: That's Life Epi 1, Family members Possessive Adjectives Talking about family Saying hello and good-bye,Countries 'to be' statements Introducing yourself Story: That's Life Epi 2, Numbers 11-100, 'to be' questions, Asking for and giving personal information, Telling the time, Things people carry, Prepositions, Asking about prices, Story: 'That's Life' Epi.3, Food and drink, Present Simple statements (I,you,we,they), Describing food from different countries, Offering a drink: Would you like.. ,Free time activities, Present Simple questions (I,you,we,they), Free time activities, survey Story: 'That's Life' Epi.4, Lifestyles, Present Simple -wh questions, Describing your lifestyle, Talking about days and times, Days of the week, Daily activities, Present Simple Thirs person singular, positive-negative, A day in a life, Story: 'That's life' Epi.5, Jobs and related verbs, Present simple questions,Jobs and related verbs, Present simple questions, Listening: Ambitions, Getting to know someone, Showing interest,Reading, speaking, Exercises				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001052010	<b>GENERAL MATHEMATICS</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Numbers, Exponential and deep-rooted numbers, Modular arithmetic decimally numbers, Algebra and polinoms, Ratio and proportion, equations, Equations,Functions, Trigonometry, Vectors, Matrix				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001072010	<b>DC CIRCUIT ANALYSIS</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Static Electricity, Electric Current And Impacts, Environmental Flows Method, Node Voltage Method, Resource Links, Thevenin's Theorem, Norton's Theorem, Superposition Theorem, Maximum Power Theorem, Direct Current Storage Elements, Direct Current Power And Energy				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001092010	<b>MEASUREMENT TECHNIQUE</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Length, area measurement,section and diameter measurement, Tilt measurement,volume and weight measurement, Torque measurement, volume measurement ,Testing and measuring instruments, measurement errors, units and conversions,Units and conversions ,the coil and resistance measurement,Capacitor, RLC measurement,RLC measurement, current and Voltage measurement, Frequency measurement, Oscilloscope, Measuring transformers, power and energy measurement				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001122010	<b>DIGITAL ELECTRONICS</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Number Systems, Logical Gate Circuits, Logical Gate Circuits, Boolean mathematics, Karnough Map, The encoders (Encoder), Decoders (Decoder), Data selectors (multiplexers), Data Distributors (Demultiplexer), Collectors,Removers, Comparators				



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Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001132010	<b>INFORMATION AND COMMUNICATION TECHNOLOGY</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Internet and Internet browser, E-mail management, Newsgroup/Forms, Web Based Learning, Preparing a personal web site, Electronic Trade, Autobiography the Word Processor Program, Internet and Carrier, Job interview preparation, Table of process, Formulas and Functions, Graphics, Presentation Preparing, Descriptive Material Preparing				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001172014	<b>ALGORITHMS AND PROGRAMMING</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Algorithm, Flow Diagram, Programming Tools, Variable and Fixed, Input-Output Operations, Operators, Decision Structures, Loop Controls, One-Dimensional Arrays, Multidimensional Arrays, Subroutines not return value, Value rotating Subroutines, Sequential Files, Random Access Files				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001192015	<b>PROFESSIONAL ETHICS</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>
<b>Course Content</b>	Concepts of ethics and ethics, Ethical systems, Factors that play a role in the formation of morality, Examination of professional ethics, Professional corruption and consequences of unethical behaviors in professional life, Concept of social responsibility are transferred to students and projects are determined by separating students into groups under social responsibility projects.				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913001212015	<b>TRANSITION TO UNIVERSITY LIFE</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>Course Content</b>	General information about university concept and understanding. Introduction of Ege University administration and service units (library, health, culture, sports, observation house, art history museum, etc.). To be informed about national and international facilities and education in our university. Informing the students about the rules and regulations regarding university life. Increasing participation of students in various scientific, cultural, artistic and sporting activities.				



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**I. YEAR 2. SEMESTER**

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
92	TURKISH LANGUAGE II*	2	0	2	2
Course Content	Comprehension of the concept and characteristics of expression in general, Explanation of ways of thinking development in oral and written expression. (Definition, sampling, comparison, quotation etc.), comprehension of expression forms with examples. Objective-subjective, direct-indirect, plain and figurative expression, Explanation of the four main activities of reading, listening, speaking and writing, and discussion of their genres, Speaking: Effective (expressive, controversial narrative, narrative narrative, descriptive narrative) and types of speech: Examples of speeches such as conferences, panels, seminars, open sessions, debates Written expression: Choosing a subject, delimiting the subject, determining the main and side thoughts, planning and writing phases Types of written expression-I: Types of written expression-II: poetry, novel, story, poem, essay, poem, essay, essay, interview, interview, memoir, biography, autobiography, artistic values like theater Giving the information in. Explanation of the development of poetry in Turkish literature, Analysis of examples from the Turkish poetry in the Republican period, The development line of the story line in Turkish literature and explanation of the characteristics of the Turkish storytelling during the Republic period, Analysis of selected examples from the Turkish period of Republican period, Types of written expression-III: Special correspondence , celebration letters, telegraph) and information about official correspondence				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
94	PRINCIPLES OF ATATURK AND RECENT TURKISH HISTORY II*	2	0	2	2
Course Content	The establishment of the Progressive Republican Party, the Sheikh Said Rebellion, the Law of Takrir-i Sukun and the assassination attempt on Atatürk, the establishment of the Free Republican Party, the establishment of the Republican Party, the establishment of the Republican Party, The reforms related to the regulation of social life and the secularization process of the Republic of Turkey and the reforms carried out in the field of education and culture (Tevhid-i Tedrisat Kanunu, Latin (the law of Tevhid-i Tedrisat), the Constitution of 1924, the Constitution of 1924, the other constitutions, 1930 University reform, People's Houses), Developments in the field of health, Izmir Economics Congress, Economic policy in the first years of the Republic, 1929 World Economic Crisis, half of Turkish foreign policy in the period of Atatürk (Turkish-English, Turkish-Soviet, Turkish-French, Turkish-Italian relations, Relations with neighbors, Balkans and Turkey in the period of 1923-1938) Sadabat Pakti), Atatürk's Principles (Republicanism, Secularism, Nationalism, Populism, Statism, Revolutionism) and the threats to these principles, the definition and scope of the Atatürkist Thought System, Turkey after the Ataturk (the presidency of İnönü, World War II and Turkey, establishment of the Democratic Party and the transition of multi-party life), the years of power of the Democratic Party, the entry of Turkey into NATO and the military intervention of 27 May 1960 , Political developments in Turkey during the 1960s and 70s (1961 Constitution, Justice Party Power, March 12, 1971 anniversary, coalition years, left-right confrontation), domestic politics in Turkey from 12 September 1980 Political and economic crises, civilian civilian interventions of the military), the foreign policy of Turkey from 1960 to the present day (Turkey in the Cold War period, developments in the European Union, peace in Cyprus) Operation, relations with neighbors), Claims of the so-called Armenian genocide and the original of these claims (Armenians, Armenian revolts, il Practices, Armenians in the period of the National Struggle and the Republic, Asala and the Armenian terror, activities of the Republic of Turkey against the Armenian diaspora				



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Course Code	Course Name	Theoretical	Practice	Credits	ECTS
96	FOREING LANGUAGE II**	2	0	2	2
Course Content	Adjectives, colors, Have / has got, statements, Giving news in emails and letters, Story: That's Life Epi.6, Parts of rthe body, articles, Have / has got questions, Describing illnesses, Asking for things, Activities, Can / can't, A job interview, Story: That's Life Epi 7, Parts of a house, There is / there are: statements-questions, Decribing a house, Asking where places are, Clothes, plurals, Present Continuous statements, Describing clothes, Story: 'That's Life' Epi.8, Transport, Present Continuous questions, Postcards, Talking about plans, Places, Past Simple: 'to be' statements, Past time expressions, Asking where somebody was, Story: 'That's Life' Epi.9, Emergency services, Past Simple, regular verbs, positive statements, A newspaper story, Talking about dates, Irregular past forms, Past Simple negative statements, My early life,Story: 'That's life' Epi.10, Weekend activities, Past Simple, questions, Talking about last weekend, Building a conversation, Reading, Speaking, Exercises				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
106	VOCATIONAL MATHEMATICS	1	1	2	2
Course Content	Definition of complicated numbers,vectoral demonstration, Four process in cartezyen form of complicated numbers, Polar and cartezianal tranformations of complicated numbers, Four process in polar form of complicated numbers, Using complicated numbers in professional environment, Features and processes of exponential functions, Definition of logarithm function and ways of obtaining logarithm Usage of logarithm in professional environment, Definiton of derivative and ways of obtaining derivative, Application of derivative on functions, professional usage of derivative, Definition of integral and ways of obtaining integral, Application of integral on functions, professional usage of integral				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
108	COMPUTER AIDED CIRCUIT DESIGN	2	1	3	3
Course Content	Introduction of Simulation Program, Simulation of Basic Circuit, Simulation of Analog Circuit, Simulation of Digital Circuit, Introduction of PCB program, Circuit Drawing at Program environment, Creating PCB				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
110	AC CIRCUIT ANALYSIS	3	1	4	4
Course Content	Alternating Current, Series Circuits, Parallel Circuits, Resonance, Alternative Power and Compensation Flow, Single-Phase Circuits Power and Energy, Three-Phase Circuits Power And Energy				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
112	ELECTRONICS I	3	1	4	3
Course Content	Semiconductor materials, Structure and Types of Diodes, Rectifier Circuits, Definition and Types of Filters, Definition and Types of Regulations, Definition of Transistor, Structure and Variety, Definition of JFET, Structure and Variety, Switching and Use as Amplifier Element, Definition of MOSFET, Structure and Variety, Switching and Use as Amplifier Element				





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Course Code	Course Name	Theoretical	Practice	Credits	ECTS
114	DIGITAL DESIGN	3	1	4	4
Course Content	Multivibrator Circuits, Multivibrator Circuit Types, Flip-Flop Circuits, Flip-Flop Circuit Types, Circuit Design with Flip-Flop, Counting Circuits, Asynchronous Counters, Asynchronous Counter Circuit Design, Synchronous Counter Circuit Design, Recorder Circuits, Analog to Digital Converter Circuits, Digital to Analog Converter Circuits				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
116	COMMUNICATION	2	0	2	2
Course Content	Verbal communication, Written Communication, Non verbal communication, Formal Communication, Informal Communication, Communicating outside the organization,				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
118	SIGN LANGUAGE**	2	0	2	2
Course Content	History , alphabet , simple sentence structures, question sentences, negative structures , adjectives, verbs, Dialogue Samples				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
120	ENTREPRENEURSHIP**	2	0	2	2
Course Content	Entrepreneurship house (intrapreneurship) or small-family run business (entrepreneurship) that arise due to the different types of dimensions, economic, legal, financial, behavioral, psychological, social and cultural aspects related to the inspection and evaluation; Leadership to-know-you can (theories of leadership, motivation, communication, team building, creativity) in size, both individually and taken as a social process; Identification of entrepreneurship-leadership relationship and the factors affecting entrepreneurship; Evaluation of international and examples of entrepreneurship within the historical process in Turkey.				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
122	COMMUNITY SERVICE APPLICATIONS	2	0	2	2
Course Content	Course introduction, precaution and rules. Sample social responsibility project presentations. Introduction of non-governmental organizations. Project proposal presentation. Preparing project. Project presentations and evaluation. Semester evaluation. General evaluation.				



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**2. YEAR 3. SEMESTER**

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
201	COMPUTER AIDED DESIGN	2	1	3	3
Course Content	Basic Drawing Methods, Drawing of a given object, Layers, Colors and Lines, Features of Program, Drawing Screen, dimensioning, Basic Drawing Commands, Basic Installation Drawing, Installation Drawing on Architectural Plan,				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
203	ELECTRONICS II	3	1	4	4
Course Content	Transistor amplifiers, Basic operational amplifier circuits, Operational amplifiers with oscillators, operational amplifier filters, Operational amplified industrial circuits				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
205	SENSORS AND TRANSDUCERS	2	1	3	3
Course Content	Temperature Sensors, Humidity Sensors, Speed Sensors, Vibration Sensors, Location Sensors, Approach Sensors, Flow Sensors, Pressure Sensors, Impact (Force) Sensors, Level Sensors				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
207	POWER ELECTRONICS	3	1	4	4
Course Content	Thyristors, Thyristor Trigger Circuits, Diyak ,Triyak- MosfetS, Igbt And Custom Switching Elements, Isolation and Protection of Power Elements, A Phase Controlled Rectifiers, Three - Phase Uncontrolled Rectifiers, Three Phase Controlled Rectifiers, A Phasic Ac Choppers, Three Phase Ac Choppers, Reducing And Boosting Choppers, Dc Choppers, Ac-Dc Inverters				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
209	SYSTEM ANALYSIS AND DESIGN-I	1	1	2	3
Course Content	Choosing a Workspace, Presenting Obtained Information, Define System / Product Functions and Variables, Choosing the Materials Needed, Presenting Obtained Information, Prepare the System / Product Specification or Flowchart, Making System / Product Program or Calculations, Establishing the System / Product Workspace Environment, Making System / Product Installation, Testing the System / Product, Presenting the System / Product Outputs as a Repor				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
211	MICROCONTROLLERS	3	1	4	4
Course Content	Microcontroller Architecture and Hardware, Microcontroller Program Loading, Design Algorithms, Flow Diagrams, Microcontroller Memory and Recorder Microcontroller Program Commands, Basic Input Output Programs, Program Compilation and Error Checking, Microcontroller with Button and LED applications, 7 segment display applications with microcontroller, Lcd Practice with Microcontroller				



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Course Code	Course Name	Theoretical	Practice	Credits	ECTS
213	CONTROL CIRCUITS	2	1	3	3
Course Content	Control Elements. Protection Relays. Three-Phase Asynchronous Motors. Three-Phase Asynchronous Motors Intermittent and Continuous Operation. Three-Phase Asynchronous Motors Run Two Different (Remote) Motors. Three-Phase Asynchronous Motors with Starting to Resistance. Three-Phase Asynchronous Motors with Starting to Reaktans and autotransformer. Three-Phase Asynchronous Motors with Starting to Star-Delta. Changing the direction of rotation for three-phase asynchronous motors. Braking three-phase asynchronous motors. A Phase Asynchronous Motor Control Circuits. Changing the direction of rotation for A Phase Asynchronous Motor. Routing Winding Asynchronous Motors				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
215	CONTROL SYSTEMS	2	1	3	3
Course Content	Perform open-loop control system installation, perform the installation of closed loop control system, Proportional (P), integral (I) and derivative (D) to perform the installation of control systems				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
217	PROFESSIONAL FOREIGN LANGUAGE- I	2	1	3	3
Course Content	Basic Foreign Language, Grammar rules, Reading and comprehending a text in a foreign language, Basic Sentence Components, Verb-tense relation in a sentence, Active -Passive Structures, Stressed Verbs, Transitive-Intransitive Verbs, Tense relation in a paragraph, Nouns,Singular nouns,Plural nouns,Derived nouns,Proper noun, Adverbs and adjectives, Basic technical terms,Technical Dictionary,Electronic related text in Foreign language				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
219	WEB DESIGN SETTINGS	2	1	3	3
Course Content	Internet and definition of WEB, HTML basic tags, Text and view tags, Create to Hyperlink, Table process, Forms, Frames, Multimedia Tools, Basic of Style Templates, Features of Style Templates, Menu operation of Style Templates, Problem of Browser and Solves				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
221	RESEARCH METHODS AND TECHNIQUES	2	1	3	3
Course Content	Choosing Research Topics. Do a Resource Survey. Evaluation of Research Results. Conversion of Research Results to Report. Making a Presentation. Presentation skills are gained. They prepare their class presentations with the PowerPoint program in Office Software course which they see in the 1st year and 1st semesters.				





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**2 . YEAR 4 . SEMESTER**

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002022010	<b>SYSTEM ANALYSIS AND DESIGN-II</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Course Content</b>	Choosing a Workspace. Presenting Obtained Information. Define System / Product Functions and Variables. Choosing the Materials Needed. Presenting Obtained Information. Prepare the System / Product Specification or Flowchart. Making System / Product Program or Calculations. Establishing the System / Product Workspace Environment. Making System / Product Installation. Testing the System / Product. Presenting the System / Product Outputs as a Report				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002042010	<b>PROGRAMMABLE CONTROLLERS</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Basic Technology of PLC, PLC Units, PLC Interface Program, PLC Programming, Other Programming Methods, Sequential Function Blocks, PLC Program with Sequential Function Blocks, Touch Panel, Panel Programming				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002062010	<b>FAILURE ANALYSIS</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Fault isolation, Defective unit or element finding, Fault and maintenance cart, Catalog				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002082010	<b>ELECTRIC MOTORS AND DRIVERS</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Course Content</b>	Parts and Operation Principles of Electric Motors. Construction and Operation of DA Engines. Characteristics of Direct Current Motors. Speed Setting in Direct Current Motors. Three Phase Asynchronous Motor Parts and Operation Principle. Three Phase Asynchronous Motor Starting Methods. Characteristics of Three-Phase Asynchronous Motor. Speed Adjustment Methods in Three Phase Asynchronous Motors. Single Phase Asynchronous Motors. Types and Working Principle. Step Motors. Servo Motors				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002102010	<b>BUSINESS ADMINISTRATION</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>4</b>
<b>Course Content</b>	Tracking Microeconomic Data. Analyzing Macroeconomic Indicators. Detecting blank gaps in the market. Evaluating Investment Alternatives and Choosing the Most Suitable. Executing Feasibility Studies. Identifying the Operator's Environment. Demand Analysis and Forecasting. Determining the location of the establishment. Determining the legal structure of the business. Determining the Capacity of the Workplace. Providing financing by determining the total investment cost. To make Estimated Income-Expense Account. To make work place and production plan. To carry out the installation process of the investment. Creating the right job and opening the job				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002122012	<b>ELECTRONIC SECURITY SYSTEMS</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Elements of closed circuit camera control systems. Connection and mounting of camera control systems. Maintenance and repair of closed circuit camera control systems. Access control system components. Connection and mounting of access control systems. Maintenance and repair of access control systems. Connections and installation of fire fighting and warning systems. maintenance and repair. Robbery alarm system components. Connection and installation of robbery alarm system components. Connection and installation of robbery alarm system components				



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Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002142012	<b>SCADA SYSTEMS</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Installation of Scada Programs. Scada Interface Design. Control Device Connection. Use of OPC SERVER. TAG LOGGING Making. ALARM HANDLING To do. Registration to the database. Visual Programming Interface. Objects. Computer Ports with Visual Programming. Device Control. Data Monitoring and Recording with Visual Programming				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002162012	<b>RADIO-TV TECHNOLOGY</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Radio Systems-Tape Systems. Mp3 Systems. Crt Tv. Lcd Tv. Plasma Tv. ledtv. Projection. Satellite And Satellite Receiver Systems. Vcd-Dvd Systems -Video Camera Systems				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002182012	<b>ADVANCED MICROCONTROLLERS</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Establish ADC Circuits with Microcontroller. Establishing Circuits with Switching Elements. Establishing Sensored Circuits. Establish Eepromed Circuits. Establish Serial Communication Circuits. Stepper Motor Circuits. Establishing Dc Motorized Circuits. Establishing Servo Motorized Circuits.				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002202012	<b>PROFESSIONAL FOREIGN LANGUAGE- II</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Basic technical terms. dictionary and documents. Foreign noun clauses. Foreign language adjective clauses. Foreign language envelope clauses. The name in the technical documentation. examples of adjective and adjective clauses. Mathematical operations on foreign languages. Examples of mathematical operations in technical documents. Examination of technical documents related to electronics. Examination of catalogs for technical instruments and devices. Technical foreign report and project preparation on professional foreign language. Vocational foreign language oral communication. Professional foreign language written communication. Occupational foreign language job application				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
8913002222010	<b>QUALITY ASSURANCE AND STANDARTS</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Quality concept. Standard and Standardization. The standard is a key in the production and service sector. Management quality and standards. Environmental standards. Quality management system models. Strategic management. Joining in a moment. Process management system. Resource management system. Efqm excellence model. Quality control in production. Examination and sampling. Total Quality Control. Control Diagrams. Statistical Distributions				

Course Code	Course Name	Theoretical	Practice	Credits	ECTS
28911306T11224	<b>HOME DEVICES</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>3</b>
<b>Course Content</b>	Washer and Dryer Devices. Use of Washer and Dryer Devices. Heater and Cooking Appliances. Use of Heaters and Cooking Appliances. Refrigerators. Use of Refrigerators. Cleaner and Aerator Devices				