

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECT S</b>	<b>Compulsory/Elective Course</b>
AIT101	Atatürk's Principles and the History of Turkish Revolution I	(2,0,0)	2	2	Compulsory

The reasons that prepared the collapse of the Ottoman Empire and the Turkish Revolution. Disintegration of the Ottoman Empire, Tripoli War, Balkan Wars, First World War. Armistice of Mudros. The situation of the country in the face of the occupations and the reaction of Mustafa Kemal Pasha, the departure of Mustafa Kemal Pasha to Samsun. The opening of the Turkish Grand National Assembly of the National Struggle. Treaty of sevr. The Lausanne Peace Treaty. Atatürk's Principles: Republicanism, Nationalism. Populism, Statism. Secularism, Revolutionism.

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AIT102	Atatürk's Principles and the History of Turkish Revolution II	(2,0,0)	2	2	Compulsory

Abolition of the Sultanate; Proclamation of the Republic; Taking the Election Decision in the First Parliament; Establishment of the People's Party; Ankara Becoming the Capital, Proclamation of the Republic and Reactions; Abolition of the Caliphate (The Emergence of the Problem of the Caliphate and the Events Preparing the Abolition of the Caliphate), Progressive Republican Party and Sheikh Said Rebellion; Law of Takrir-i Sukun; Closing the Progressive Republican Party; İzmir Assassination Attempt), Free Republican Party and Menemen Incident; An Overview of Atatürk-Inönü Separation, Revolutions and Their Goals; Revolutions in Law; 1924 Organization-ı Esasiye Law; Adoption of the Turkish Civil Code; Adoption of Other Basic Laws; Revolutions in Women's Rights, Education and Culture; The Law of Unification of Education; Adoption of the New Turkish Alphabet; New Understanding of History and Language; From Darülfünun to Istanbul University; Fine Arts, Developments in Economics; Late Ottoman Economy; Turkish Economy Congress and Its Results; Economic Activities in the First Years of the Republic; Transition to the Practice of Statism, Revolutions Made in Social Life (Modernization in Clothing: The Law on Wearing Hats; Closure of Lodges, Zawiya and Tombs, Adoption of International Time, Calendar, Numbers, Measurements and Week Holidays; Adoption of the Law on Surnames; Developments), Turkey's Foreign Policy in Atatürk Era; Years 1919-1923; Years 1923-1930, Going to the Second World War and Turkish Foreign Policy 1931-1939, Principles of Atatürk; General Overview of Atatürk's Principles; Republicanism, Nationalism, Populism, Statism, Secularism, Revolutionism, İsmet İnönü Period (1938-1950); Domestic Policy During the Second World War; Establishment of the Democratic Party, Democratic Party Period (1950-1960); May 27 Military Intervention and National Unity Committee

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AIT103	History I for International Students	(2,0,0)	2	2	Compulsory

Origins and rise of Ottoman Empire, Ottoman Administrative System, Ottoman Society, Law and Education, Revolts and Reform Attempts in Ottoman Empire, Reforms Through 19th Century, Military and Administrative Reforms, Reign of Abdülhamid II, Young Ottomans and Ottomanism, First Constitutional Era, Second Constitutional Era, Political Struggle for Power, The Ideological Debates: 1913-1918, Ottoman Empire and First World War I

Course Code	Course Name	(T,A,L)	Credit	ECT S	Compulsory/Elective Course
AIT104	History II for International Students	(2,0,0)	2	2	Compulsory
The Aarmistice of Moundros and Its Aftermath, The National Resistance Movement and Mustafa Kemal Pasha, The Great National Assembly and the Treaty of Sevres, Great Offensive, Treaty of Lausanne and Sheikh Sait Rebellion, Declaration Of The Turkish Republic, The Major Periods in the Political History of Turkey I, The Major Periods in the Political History of Turkey II, Women and Nationbuilding in the early Turkish Republic I, Women and Nationbuilding in the early Turkish Republic II					

Course Code	Course Name	(T,A,L)	Credit	ECT S	Compulsory/Elective Course
CHE105	General Chemistry	(3,0,2)	4	6	Compulsory
Metric system, introduction to stoichiometry, the structural and physical properties of matter, i.e., electronic structure of atoms, chemical binding, and molecular orbitals and states of matter, i.e., gases, liquids and solids. Basis of concentration. Balancing the reactions.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
CMP101	Programming Application for Engineers	(2,2,0)	3	5	Compulsory
Algorithm development. Elements of C. Structure of a C program, data types, constants, input and output of integer numbers, real numbers. Variables, expressions and assignments. Input and output functions. Control Structures. Selection- If statement, multiple selection- switch statement. Iterationwhile, do-while, for operators. User-defined functions, arrays and subscripted variables, single and multi dimensional arrays. Array and functions. Pointers, pointers and strings. Structures, creating structures. Structure as function argument. Subprograms. Files. File operations.Application programs will be developed in a laboratory environment using the C language.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
CMP343	Microprocessor	(3,0,2)	4	5	Compulsory
Teaching the microprocessor as a programmable digital system element. To illustrate some basic concepts of microprocessors through the use of assembly language programming. To give the principles of hardware design; To provide an understanding of a microprocessor based system as a combination of hardware and software subsystems and their interactions					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE100	Electric and Electronic Engineering Orientation	(0,0,0)	0	5	Compulsory

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
	Introduction to Electrical and Electronic Engineering.				Demonstrations of Electrical and Electronic Engineering Department Laboratories. Technical trips to various industrial sites.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE102	Introduction to Electric and Electronics	(3,0,0)	3	4	Compulsory
Introduction to Electrical and Electronics Engineering, Physical bases of circuit theory, Current and Kirchhoff current law, Voltage and Kirchhoff voltage law, Circuit elements, Coils, Capacitors, Analysis of direct current circuits					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE200	Internship I	(0,0,0)	0	5	Compulsory
Aspire to instill in our students the attitudes, values, and vision that will prepare them for professionalism and life-long learning and Electronic Engineering.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE201	Circuit Theory I	(3,0,2)	4	6	Compulsory
Circuit Variables: Voltage and Current – Circuit Elements: Voltage and Current Sources, Resistance, Kirchhoff Voltage and Current Laws – Simple Resistance Circuits: Series and Parallel Connected Resistors, Voltage and Current Divider – Circuit Analysis Techniques: Node-Voltage and Eye-Current Methods , Source Transformations and Thevenin and Norton Equivalent Circuits, Maximum Power Transfer, Superposition – Inductance and Capacitance: Inductance and Capacitance Properties, Inductance and Capacitance, Serial and Parallel Connections – Reactions of First Order RL and RC Circuits: Natural Reactions of RL and RC Circuits, RL and RC Circuits, Step Reactions, General Solutions of Natural and Step Reactions – Natural and Step Reactions of RLC Circuits: Introduction to RLC Circuits and Shapes of Natural Response, Step Response of RLC Circuits					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE202	Circuit Theory II	(3,0,2)	4	6	Compulsory
Sinusoidal Continuous-State Analysis: Sinusoidal Source and Phasors, Passive Circuit Elements and Kirchhoff Laws in Frequency Domain Area, Source Transformations and Thevenin-Norton Equivalent Circuits, Node-Voltage and Eye-Current Methods – Sinusoidal Continuous -Status Power Calculations: Instantaneous Power, Active, Reactive and Complex Power, Maximum Power Transfer – Mutual Inductance and Transformers – Three Phase Circuits – Introduction to Laplace Transform: Definition of Laplace Transform, Inverse Laplace Transform – Laplace Transform in Circuit Analysis: s- Circuit Elements and					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
	s-domain Circuit Analysis – Introduction to Frequency-Selective Circuits: Frequency Response Curves, Bode Drawings, Low, High, Band Pass and Band Stop Filters.				

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE216	Electromagnetic Theory	(3,0,0)	3	5	Compulsory

Electromagnetic Spectrum, Vector Analysis, Coordinate Systems, Force Between the Point Sources, Coulomb Law, Electric Field Strength (E), Electric Field of Several Point Charges, Charge Distribution, Charge Density, Continuous Charge Distribution, Electric Scalar Potential (V), Electric Field Lines, Equipotential Countours, Field Lines, Electric Potential of Charge Distribution, The Electric Field as the Gradient of the Electric Potential, Electric Flux, Electric Flux Through Closed Surface, Charged One Shell, Capacitors and Capacitance, Moving Particles in the Electric Field, Dielectrics, Permittivite, Electric Dipol, Electric Dipol Moment, Polarization, Boundary Conditions, Boundary of Two Dielectrics Capacitors with Dielectrics, Energy of the Capacitor, Diverjans Theorem, Laplaciien Operator, Poisson Equation, Laplace Equation, Static Magnetic Fields of Stable Electric Currents, Force on the Wire that is Carrying Currents Inside the Magnetic Fields, Magnetik Field of Current Carrying Element (Biot Savart Law), Force Between the Two Linear Parallel Conductors, Magnetic Flux, Magnetic Flux Density, Magnetic Flux Through Closed Surface (Gauss Law), Torq on the Ring, Magnetic Moment, Solenoid Inductance, Inductances of Simple Geometries, Ampere Law and H, Amper Law Applied to Conductive Medium and Maxwell Equation, Conductors and Charged Particles Moving Inside the Static Magnetic Fields, Rotary Motor, Magnetic Leviation (Maglev), Hall-Effect Generator, Moving Conductor Inside the Static Magnetic Field, Electric and Magnetic Fields Changing with Time, Conductors Moving Inside the Magnetic Field, General Situation of the Induction.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE220	Electrical Measurements	(2,0,2)	3	5	Compulsory

Measurement and errors, systems of units of measurements. Standards of measurements. Electromechanical indicating instruments. Bridge circuits. Comparison measurements. Oscilloscopes. The basics of digital instruments. Data converters. Intelligent instruments. Measurement transducers.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE222	Electronics I	(3,0,2)	4	5	Compulsory

Understanding the basics of semiconductor technology and elements. Identify and explain diodes and their applications, switching and rectification of AC signals. understanding different clippers and clampers circuits. Understanding the theory of Bipolar Junction Transistor operation, CB, CE and CC configurations. Studying BJT bias circuits. FET operation and biasing. Applying small signal BJT and FET analysis using re- and h-parameters. Studying amplifier frequency response

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE241	Electrical Materials	(3,0,0)	3	5	Compulsory

Materials and properties. Atomic structure and interatomic bonding, crystal structure, crystal imperfections, solid solutions. Mechanical properties of materials, elastic and plastic deformation. Behaviour of materials under tension, compression and shear. Hardness and hardness measurement. Dislocation and strengthening mechanism. Phase equilibria, phase diagrams, the iron –carbon system, solid reactions, microstructures. Structure and properties of ceramics. Polymer structure.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE300	Internship II	(0,0,0)	0	5	Compulsory

This is a period comprising a minimum of 30 days training to be completed in an industrial organization by all students who are effectively in their junior or senior year. Students should obtain approval of the Department before commencing training. Following this training, students will be required to write a formal report and give a short presentation before a committee regarding their training.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE315	Logic Circuit Design	(2,0,2)	3	7	Compulsory

To develop a thorough understanding on combinational digital circuit design using logic gates. To develop a thorough understanding on sequential digital circuit design using flip flops. Simplify logic functions using Boolean algebra methods. Simplify logic functions using Karnaugh maps. Design of digital building blocks such as adders, multiplexers and decoders. Analysis of number systems

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE321	Electronics II	(3,0,2)	4	6	Compulsory

This course is designed for electrical & electronics engineering undergraduate students. The purpose of this course is to provide amplifier and instrumentation background on technical aspects. Field effect transistors, Multi stage amplifiers, Methods of coupling, Differential amplifiers, Operational amplifiers, Summing amplifiers, Integrators, Differentiators, Voltage Comparators, Instrumentation amplifiers, Oscillators, Active Filters.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE324	Control Systems	(3,0,0)	3	5	Compulsory

Introduction to automatic control. Mathematical modelling of dynamic systems. Response analysis using Laplace transform method. Transfer functions and block systems. Feedback control systems. Typical actuators and transducers. Control law.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE331	Electromechanical Energy Conversion I	(3,0,2)	4	6	Compulsory

Electromagnetic circuits; properties of ferromagnetic materials. Single-phase and three-phase transformers. Short and open circuit tests, Equivalent circuits of the transformers, Efficiency, Per Unit System. Principles of electromechanical energy conversion:.. DC machines: Theory, generators, motors, speed control

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE332	Electromechanical Energy Conversion II	(3,2,0)	4	5	Compulsory

Electromagnetic fields created by AC electric machine windings: pulsating and rotating magnetic fields, emf induced in a winding. Induction machines: equivalent circuit, steady-state analysis, speed control. Synchronous machines: equivalent circuit, steady-state analysis, stability. Single-phase induction machines. Special electrical machines.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE341	Signal and System Analysis	(3,0,2)	4	6	Compulsory

Properties of continuous and discrete-time signals and systems. Basic signal modifications. Memory, causal, stable, linear and time-invariant systems. Stochastic processes and noise. Impulse response, transfer function. Convolution. Fourier series and transforms. Laplace transform. Sampling and modulation. Interpolation methods. Filtering. Sampling. Analysis of discrete time systems. Time domain analysis. Difference equation models. Frequency domain analysis. Orthogonal expansion of signals. Z domain analysis, Z- transform. Mapping s-plane into z-plane. Inverse Z-transform. Properties of z transform. Z plane. Discrete time LTI system .Frequency domain analysis. Discrete and fast Fourier transforms. Filtering. Digital filters

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE346	Communication Systems	(4,0,0)	4	5	Compulsory

Topics include Fourier representation of signals and systems, amplitude modulation, angle modulation, random signals and noise, and noise in analog communications

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE401	Graduation Project I	(2,0,0)	2	4	Compulsory

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
					Project work in one of the areas of interest of students, to be carried out on the subject given by the lecturers to be assigned by the department chair, and whose success will be determined by the project advisor and the evaluation committee to be established.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EEE402	Graduation Project II	(2,0,0)	2	4	Compulsory
					Project planning, program, budget preparation, monitoring and control, team organization and management, time management, computer aided management methods, document and technical specifications preparation, international standards.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
EAS431	Economics For Engineers	(3,0,0)	3	6	Compulsory
					Principles and economic analysis of engineering decision making. Cost concept. Economic environment. Price and demand relations. Competition. Make-versus-purchase studies. Principles and applications of money-time relations. Depreciation. Many and banking. Price changes and inflation. Business and company finance.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MEC101	Technical Drawing I	(2,2,0)	3	5	Compulsory
					Introduction to technical drawing. Drawing instruments and their use, lettering, lines, geometry of straight lines, scale drawing. Dimensions. Development of surfaces, shape description, selection of views, projecting the views. Pictorial drawing, diametric trimetric projection. Isometric projection, oblique projection. Perspective drawing cross section.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH101	Calculus I	(4,0,0)	4	6	Compulsory
					Functions, limits and continuity. Derivatives. Rules of differentiation. Higher order derivatives. Chain rule. Related rates. Rolle's and the mean value theorem. Critical Points. Asymptotes. Curve sketching. Integrals. Fundamental Theorem. Techniques of integration. Definite integrals. Application to geometry and science. Indeterminate forms. L'Hospital's Rule.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH102	Calculus II	(4,0,0)	4	6	Compulsory
					Sequences and Infinite Series; The integral test, comparison test, geometric series, ratio test, alternating series. Power series, Taylor series. Parametric equations and Polar coordinates. Functions of several variables, limits, continuity, partial derivatives, chain rule, extreme of functions of several variables.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
					Multiple integrals: Double integrals, Area, volume, double integral in polar coordinates, surface area, triple integrals, spherical and cylindrical coordinates.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH112	Linear Algebra	(3,0,0)	3	5	Compulsory
					System of linear equations: elementary row operations, echelon forms, Gaussian elimination method. Matrices: elementary matrices, invertible matrices. Determinants: adjoint and inverse matrices, Cramer's rule. Vector spaces: linear independents, basis, dimension. Linear mapping. Inner product spaces: Gram-Schmit orthogonalization. Eigenvalues and eigenvectors, Cayley-Hamilton theorem, diagonalization

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH201	Differential Equations	(4,0,0)	4	6	Compulsory
					Ordinary and partial differential equations. Explicit solutions, Implicit Solution. First-order differential equations, separable, homogenous differential equations, exact differential equations. Ordinary linear differential equations. Bernoulli differential equations. Cauchy-differential equations. High-order ordinary differential equations. Introduction to Laplace transforms. Introduction to series method for solving differential equations

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH301	Numerical Analysis for Engineers	(3,0,0)	3	5	Compulsory
					Approximations and errors. Accuracy and precision. Finite divided difference and numerical differentiation. Roots of equations, bracketing methods and open methods, systems of nonlinear equations. Systems of linear algebraic equations. Curve fitting, interpolation. Numerical integration. Ordinary differential equations.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MTH312	Probability and Statistical Methods	(3,0,0)	3	5	Compulsory
					Definition of probability. Sample space and events. Permutations and combinations. Conditional probability and Bayers theorem. Random variables. Discrete and continuous distrubutions. Moment generating function. Expectation, variance, covariance and correlation. Condition densities and regression and transformation of variables. Descriptive statistics.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective
PHY101	Physics I	(3,0,2)	4	6	Compulsory



Measurements, vectors, kinematics, force, mass. Newton's laws, applications of Newton's laws. Work and kinetic energy. Conservation of linear momentum. Impulse, collisions, rotation, moments of inertia. Torque, angular momentum, conservation of angular momentum, static equilibrium.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective
PHY102	Physics II	(3,0,2)	4	6	Compulsory

Kinetic theory of ideal gases. Equipartition of energy. Heat, heat transfer and heat conduction. Laws of thermodynamics, applications to engine cycles. Coulombs law and electrostatic fields. Gauss's law. Electric potential. Magnetic field. Amperes law. Faradays law.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TUR101	Turkish I: Written Expression	(2,0,0)	2	2	Compulsory

Reading passages related to the chapter; grammar studies; vocabulary and translation activities; listening activities; debates on current issues related to the department (Repetition of tenses, Internet history, Health and medicine, passive frameworks, Social issues, Environmental issues, Repetition of modals, Law and punishment, repetition of adjective phrases, Language and Literature, Repetition of noun phrases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TUR102	Turkish II: Oral Expression	(2,0,0)	2	2	Compulsory

Spelling, punctuation and composition (punctuation marks, other signs), Spelling, spelling rules (capital letters, spelling of numbers, spelling of abbreviations, spelling of quoted words), Composition (purpose of composition, method of writing composition), plan in composition, introduction, development, result, Expression features, clarity in expression, simplicity in expression, clarity and sincerity in expression, Expression disorders (using synonyms in sentences), Misuse of idioms, Expression styles (explanation, story, concise expression, description, satire, portrait, proof, speech, Verbal expression types (daily and impromptu speech, prepared speech, panel discussion, debate, panel), Written expression types (letter, telegram, greeting, invitation, literary letter), business letters, official letter, petition, report, report, decision, advertisement, conversation, criticism, memoir, travel writing, interview, survey, autobiography, biography, novel, story, fairy tale, fable, theatre, tragedy,drama ,scenario) .

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
YIT103	Turkish I for International Students	(2,0,0)	2	2	Compulsory

The Turkish Alphabet and how Phonetics is in Turkish Alphabet, how nouns are made plural in Turkish, how to form yes-no questions, how to form sentences with "there is/there are, possessives in Turkish, how to use personal pronouns, numbers and asking questions related to numbers, how to use noun states in Turkish, where and how to use present continuous tense and simple present tense.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
YIT104	Turkish II for International Students	(2,0,0)	2	2	Compulsary
The Turkish Alphabet and how Phonetics is in Turkish Alphabet, how nouns are made plural in Turkish, how to form yes-no questions, how to form sentences with “there is/there are, possessives in Turkish, how to use personal pronouns, numbers and asking questions related to numbers, how to use noun states in Turkish, where and how to use present continuous tense and simple present tense.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
NTE1	Non-Technical Elective	(3,0,0)	3	5	Elective

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
NTE2	Non-Technical Elective	(3,0,0)	3	6	Elective

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TE1	Technical Elective	(3,0,0)	3	5	Elective

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TE2	Technical Elective	(3,0,0)	3	5	Elective

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TE3	Technical Elective	(3,0,0)	3	5	Elective

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TE4	Technical Elective	(3,0,0)	3	5	Elective

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective Course</b>
TE5	Technical Elective	(3,0,0)	3	5	Elective

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TE6	Technical Elective	(3,0,0)	3	5	Elective

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TE7	Technical Elective	(3,0,0)	3	5	Elective

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TE8	Technical Elective	(3,0,0)	3	5	Elective