

**Strength of Materials:** This course aims to teach students about the determination of the effect of the compressive strength properties of the carrier systems in the design of the cross section and analysis of the section affects the ability to section for analysis that occurred related to basic qualifications, is intended to gain.

**Land Measurements:** This course aims to teach students how to use measurement tools which are necessary to place the structure on the land it will be built on and to provide students with basic information about the calculations.

**Asphalt Concrete Technology:** This course aims to teach students about the ordered concrete and asphalt in order to conform to the basic level of the production stages and to conduct experiments about concrete, asphalt, aggregates and cement, and to give basic information about the features and deterioration of covered areas.

**Reinforced Concrete:** This course aims to teach students about the amount of carrier systems and equipment sizing, reinforcement cross section area placement to gain basic qualifications to design-related.

**Computer-Aided Drawing:** This course provides students with basic professional drawings using AutoCAD program, are intended to gain qualifications.

**Road Construction:** This course aims to teach the students the construction of the road and runway construction phases by giving information about the top and bottom of the road building materials, road geometric standards (project speed, width, slope, incline, curve, and so on) and it is intended to gain qualifications related to the calculation of the base.

**Professional Applications:** In this course, it is intended to be given to the students with the profession related to masonry, plaster and coating techniques, equipment preparation stages with job and basic information about the patterns and jetties.

**Water Supply and Transmission:** In this course, it is intended to make students gain the basic information with the surrounding water, underground and above ground waters, free flow and calculation of flow demand.

**Construction Site Organization:** This course aims to prepare students with the construction site environment by controlling the production being done in accordance with the business program, including manufacturing and payment and basic information about the work being done with temporary and final acceptance.

**Technical Drawing:** This course aims students to gain basic qualifications related to the drawing by using the technical drawing tools and equipment, perspective and projection drawing.

**Building Materials:** this course aims the students to know the main materials used in the construction work and to comprehend the general characteristics of these materials and to gain basic qualifications related to the classification of heat, sound, water, and fire insulation materials.

**Structure Feature and Cost:** This course provides students with skills to discover, feature and estimate the cost accounts and do the calculations for moving the vessel from the Project and feature addition operations; According to the applicable law, this course helps students to make tender preparation, and according to the applicable law to tender a contract with a contract or for the vessel in tended to gain basic qualifications.

**Structural Static:** This course provides students with making internal force analysis of isostatic and hyperstatic systems there by designing information required for designation and interpretation by

drawing the cross section of these systems affect diagrams, cage systems, frame and gaining qualifications related to the internal force calculations for the Gerber beams.

**Building Systems:** This course provides students with the basic qualifications on the systems such as, plumbing, heating and waste water and wiring used in the structures.

**Soil Mechanics:** This course provides students with the calculation of the spatial compression of the floors, seating, flooring and transportation power and endurance of floors and improving methods, besides by using soil mechanics lab tools, discovering the overall structure of the floors, and the index details by conducting experiments appropriate for the standards.