ECTS

Program Information Package

Program: Construction Technology | Total ECTS: 120 | Date of Issue: 19.11.2026

Program Information

Program Name	Construction Technology
Education Level	Pre Bachelor
Language of Instruction	Turkish
Program Duration	4 Semesters
Maximum Duration	8 Semesters
Head of Program	Dr. Öğr. Üyesi Setenay AK
Internship	Required
Total ECTS	120

Admission and Registration Requirements

The composite score of students in Construction Technologies is determined and accepted based on the TYT score types used in the university entrance examinations organized annually by ÖSYM, primarily with reference to the base scores of the preceding year for preference purposes.

Admission and Registration Requirements

The composite score of students in Construction Technologies is determined and accepted based on the TYT score types used in the university entrance examinations organized annually by ÖSYM, primarily with reference to the base scores of the preceding year for preference purposes.

Graduation Requirements

In accordance of the University’s Undergraduate and Associate Degree Education and Examination Regulations, a student is entitled to receive an associate degree diploma from the relevant program provided that all courses included in the curriculum of the registered program are successfully completed, the student achieves a cumulative grade point average (CGPA) of at least 2.00 out of 4.00, and earns a minimum of 120 ECTS credits in total.

Graduation Requirements

In accordance of the University’s Undergraduate and Associate Degree Education and Examination Regulations, a student is entitled to receive an associate degree diploma from the relevant program provided that all courses included in the curriculum of the registered program are successfully completed, the student achieves a cumulative grade point average (CGPA) of at least 2.00 out of 4.00, and earns a minimum of 120 ECTS credits in total.

Occupational Profiles of Graduates

Graduates of the Construction Technologies Program have employment opportunities in the construction sector, particularly in infrastructure and superstructure construction sites, architectural and structural (reinforced concrete) design offices, construction materials production and marketing, ready-mix concrete plants, as well as in public institutions and financial organizations related to the construction industry.

About the Program

The Construction Technologies Program aims to educate qualified technical personnel who possess the theoretical knowledge and practical skills required by the contemporary construction sector. With the rapid advancement of technology, the construction industry has increasingly emphasized quality, efficiency, and sustainability in both infrastructure and superstructure projects. Accordingly, the need for well-trained intermediate technical staff capable of adapting to technological developments and implementing modern construction practices has significantly increased.Antalya Bilim University seeks to meet this demand by providing high-quality education and training that integrates theoretical instruction with practical applications. The program curriculum is designed to equip students with competencies in construction materials, construction techniques, project implementation, technical drawing, cost estimation, occupational health and safety, and the supervision of construction processes.Graduates of the Construction Technologies Program are trained as competent technical staff who can effectively participate in construction site operations, support engineering and architectural teams, monitor project implementation, and contribute to the efficient management of construction activities. Through the knowledge and skills acquired during their education, graduates are expected to play an active role in improving the quality, efficiency, and technical standards of construction projects.

Exams, Assessment and Evaluation

At Antalya Bilim University, examinations consist of several types, including midterm examinations, final examinations, make-up examinations, exemption examinations, additional examinations, and single-course examinations. These examinations are prepared by the Vocational School and are administered in accordance with the announced academic calendar. Students are required to present their student identification cards in order to take the examinations. Our university does not implement a resit (make-up final) examination system; however, a summer school program is available for students.Students' academic performance is determined by calculating their grade point averages at the end of each semester. Beginning from the end of the second semester, students with a cumulative grade point average (CGPA) of 2.00 or above are considered academically successful, whereas those with a CGPA of 1.99 or below are regarded as academically insufficient. A student who successfully completes a course included in the program curriculum is not required to retake that course. Even if all other graduation requirements are fulfilled, a student cannot qualify for graduation unless all failed courses are successfully completed.A midterm examination is an assessment conducted during the semester in which the student is enrolled in a course within the associate degree curriculum of the Vocational School. At least one midterm examination is administered for each course in a semester. However, assignments, projects, or similar coursework conducted during the semester may, at the discretion of the instructor, be evaluated in place of a midterm examination.The final examination is administered at the end of the semester in which the course is offered, within the dates specified in the academic calendar. In order to be eligible to take the final examination, students must attend at least 70% of the course sessions.The letter grade ranges used to determine students' academic performance are as follows:

Program Educational Objectives

The educational objectives of the Construction Technologies Program are designed to enable graduates to achieve success in their professional careers and occupational endeavors. Graduates acquire a solid theoretical foundation in construction materials, construction techniques, and contemporary construction practices, alongside the practical skills necessary to apply this knowledge effectively in real-world settings. They gain proficiency in monitoring construction site activities, supporting engineering and architectural teams, and planning and supervising project implementation. Moreover, graduates are prepared to uphold and enhance the quality, efficiency, and sustainability standards of construction projects. Competence in implementing occupational health and safety practices constitutes a fundamental aspect of their professional performance. The program also aims to develop graduates who can adapt to technological advancements in the industry, engage in lifelong learning, and produce innovative solutions. Through these objectives, the program ensures that its graduates are equipped with both the technical expertise and professional competencies required to excel in the construction sector.

Recognition of Prior Learning

Students are admitted to our program through the centralized placement conducted by ÖSYM, inter-institutional transfers based on the central placement score, as well as internal and external transfers between institutions and programs within the country and abroad.Students admitted to the Construction Technologies Program may request the recognition and transfer of courses they have successfully completed in previously enrolled undergraduate or associate degree programs prior to registration. Such requests must be submitted to the Vocational School at the beginning of the academic year through a formal petition detailing the relevant information. The student submitting the request is required to attach the original transcript documenting the courses completed. The credit transfer (course exemption) process is carried out in accordance with the principles determined by the Vocational School Administrative Board and the commissions appointed for this purpose. During the evaluation process, course equivalence is determined by considering course contents and ECTS workload.

Transition to Higher Degree Programs

Graduates of the Construction Technologies Program are eligible to apply for admission to undergraduate programs in Civil Engineering and Architecture through the Vertical Transfer Examination (DGS).

Program Outcomes

PÇ-1 Having basic knowledge in professional practices, being able to analyze information, evaluate data and know current developments.

PÇ-2 To know in the field of occupational health and safety, environmental awareness, and quality

PÇ-3 To follow current developments in science and technology for the sake of the profession, to use them effectively, and to constantly renew oneself.

PÇ-4 Effectively using information technology tools and techniques related to the profession

PÇ-5 To evaluate professional issues and problems from an analytical and critical perspective and develop original and applicable solution suggestions.

PÇ-6 Ability to communicate effectively using verbal, written, and visual methods, write reports, and make presentations.

PÇ-7 Ability to solve complex problems related to the profession through teamwork

PÇ-8 Having sector knowledge, lifelong learning, and career planning awareness

PÇ-9 To act by scientific, moral, and ethical responsibility principles in professional practices.

PÇ-10 To be able to use a foreign language, follow current information about the profession and have the ability to communicate with colleagues.

PÇ-11 Learning the subjects and concepts that lay the foundations of numerical sciences, and being able to create the necessary infrastructure for solving more advanced problems.

PÇ-12 Developing analytical thinking skills by analyzing mechanical issues by expressing them with numerical concepts. Thanks to the developing analytical way of thinking and theoretical background, being able to find the fastest and most appropriate solutions to numerical problems related to calculation or practical problems encountered in practice.

PÇ-13 Ability to make necessary interventions during construction phases by recognizing building systems, knowing their advantages and disadvantages, and providing the most appropriate and rapid solutions to possible problems.

PÇ-14 Sufficient knowledge and skills to be used in both project design and application by learning section calculations and constructive rules.

PÇ-15 By having detailed information about the building materials used in building systems, the ability to manage material-related issues in the most accurate way in practice or in static calculations, detect possible problems and produce solutions.

PÇ-16 By acquiring technical drawing knowledge and skills, being able to draw using these skills in the field of static projects or in practice or to be able to interpret and interpret a drawing correctly.

PÇ-17 To be able to recognize, use and make others use tools and equipment related to the field

and to take an active role in the application.

PÇ-18 Ability to work independently, use initiative and produce creative solutions when necessary, based on sufficient theoretical background and practical knowledge.

PÇ-19 To be able to make the most accurate work planning together with engineers or managers in the application area, to monitor and accelerate the work steps. Creating a work team, managing employees and directing them in the most appropriate way.

PÇ-20 Ability to communicate effectively by mastering written and verbal communication tools.

PÇ-21 Feeling the need for lifelong learning and development. In this regard, continuous development can be achieved by always working with motivation and enthusiasm. The ability to access and use all kinds of written or visual resources that can help with this.

PÇ-22 Gaining awareness of professional and ethical responsibility. Having sufficient knowledge about the health and rights of employees, occupational safety and legal issues related to the field.

PÇ-23 Ability to follow current developments and technology in the field, master common and current problems, and be able to produce or contribute to solutions on issues related to the field with an innovative and entrepreneurial perspective.

NQF Matrix

Subject Area Level 5 (Associate Degree)	No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Beceriler	1	x	x	x	x	x	x	–	x	–	–	x	x	x	x	x	x	x	x	x	–	–	–	–
	2	x	–	x	x	–	x	–	x	–	–	x	x	x	x	x	x	x	x	x	x	–	–	–
Bağımsız Çalışabilme ve Sorumluluk Alabilme Yetkinliği	1	x	–	x	x	x	x	–	–	–	–	x	x	x	x	x	x	x	x	x	–	–	–	x
	2	x	–	x	x	x	x	x	–	–	–	x	x	x	x	x	x	x	x	x	x	–	–	–
	3	–	–	–	–	–	x	x	x	–	–	–	–	x	–	–	–	x	–	x	–	–	–	x
Öğrenme Yetkinliği	1	x	–	–	–	–	–	–	x	–	–	x	x	x	x	x	x	x	x	x	x	x	–	x
	2	x	x	–	–	x	x	x	x	–	–	–	x	x	–	x	–	x	x	x	–	x	–	x
	3	x	–	–	–	–	–	–	x	–	–	–	x	x	–	x	x	–	–	x	–	x	x	–
	4	x	–	–	–	–	–	–	x	–	–	–	–	–	–	–	–	–	–	–	–	x	–	–
İletişim ve Sosyal Yetkinlik	1	–	–	–	–	–	x	x	–	–	–	–	–	–	–	–	–	–	–	x	x	x	–	x
	2	–	x	–	–	–	x	x	–	x	–	–	–	–	–	–	–	–	–	x	x	–	x	x
	3	–	–	–	–	–	–	–	–	–	x	–	–	–	–	–	–	–	–	–	–	–	–	–
Alana Özgü Yetkinlik	1	x	–	–	–	x	–	–	–	x	–	x	x	x	x	x	x	–	x	x	–	–	x	x
	2	–	x	–	–	–	–	–	–	x	–	–	–	–	–	–	–	–	–	–	–	–	x	–
	3	–	–	–	–	–	–	–	–	x	–	–	–	–	–	–	–	–	–	–	–	–	x	–

Course Plan

2026 İnşaat Teknolojisi

Semester 1

Code	Course Name	L	P	Lab	Credit	ECTS	Language
MTM 1001	Mathematics	3	0	0	3	4	Turkish
ITP 1011	Sustainable Building Design	1	2	0	2	4	Turkish
ITP 1001	Basic Information Technologies	1	2	0	2	4	Turkish
ITP 1013	Occupational Health and Safety in Construction	3	0	0	3	4	Turkish
ITP 1003	Building Materials	3	0	0	3	4	Turkish
ITP 1005	Building Systems - I	3	0	0	3	4	Turkish
ITP 1009	Integrated Project Reading and Analysis	2	0	0	2	3	Turkish
ITP 1007	Topographic Surveying	2	0	0	2	3	Turkish

Semester 2

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ITP 1010	Building Systems - II	3	0	0	3	3	Turkish
ITP 1008	Quantity Surveying and Cost Estimation	3	0	0	3	4	Turkish
ITP 1012	Water Supply and Transmission	2	0	0	2	3	Turkish
ITP 1006	Statics and Strength of Materials	3	0	0	3	4	Turkish
ITP 1016	Soil Mechanics and Foundations	3	0	0	3	4	Turkish
ITP 1002	Computer Aided Technical Drawing	1	2	0	2	4	Turkish
ITP 1014	Structural Statics	3	0	0	3	4	Turkish
ITP 1004	Office and Site Organization	2	0	0	2	4	Turkish

Semester 3

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TR 101	Turkish Language I	2	0	0	2	2	Turkish

Code	Course Name	L	P	Lab	Credit	ECTS	Language
ATA 101	Atatürk's Principles and Revolutionary History I	2	0	0	2	2	Turkish
İNGO 101	English I	2	0	0	2	2	English
ITP 2XX1	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX3	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX5	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX7	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX9	Alan İçi Seçmeli Ders II	0	0	0	0	5	-
UNI 1000	University Elective Courses	0	0	0	0	3	-

Semester 4

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TR 102	Turkish Language II	2	0	0	2	2	Turkish
ATA 102	Atatürk's Principles and Revolutionary History II	2	0	0	2	2	Turkish
İNGO 102	English II	2	0	0	2	2	English
KPL 101	Career Planning	1	0	0	1	2	Turkish
ITP 2XX2	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX4	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX6	Alan İçi Seçmeli Ders I	0	0	0	0	4	-
ITP 2XX8	Alan İçi Seçmeli Ders II	0	0	0	0	5	-
ITP 2X10	Alan İçi Seçmeli Ders II	0	0	0	0	5	-

Semester 5

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 6

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 7

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

Semester 8

Code	Course Name	L	P	Lab	Credit	ECTS	Language
No course information found for this semester.							

This document was generated automatically as part of the Antalya Bilim University ECTS Program Information Package.