ECTS

Program Information Package

Program: Civil Engineering | Total ECTS: 240 | Date of Issue: 20.11.2026

Program Information

Program Name	Civil Engineering
Education Level	Bachelor
Language of Instruction	English
Program Duration	8 Semesters
Maximum Duration	14 Semesters
Head of Program	Prof. Dr. Necati AĞIRALİOĞLU
Internship	Required
Total ECTS	240

Admission and Registration Requirements

To meet the minimum requirements by having obtained the required scores from the relevant examinations of OSYM.

Graduation Requirements

The student must successfully complete the courses that he/she is required to take. The student must complete 240 ECTS credits with a minimum cumulative grade point average of 2.00.

Occupational Profiles of Graduates

Our graduates can work in various fields in the private sector where engineering knowledge is required, particularly in infrastructure and superstructure projects. As it is one of the oldest branches of engineering, it is a department with wide employment opportunities.

About the Program

The Department of Civil Engineering at Antalya Bilim University was established in 2012, grounded in the most up-to-date engineering approaches and technologies of our time. Our department aims to educate qualified engineers and academics who will contribute to a wide range of pioneering national and international projects, spanning from infrastructure to superstructure, from sustainable constructions to innovative material technologies. Since its foundation, the department has focused on scientific productivity through its strong academic staff, interdisciplinary approach, and international collaborations. We are committed not only to providing a solid engineering education but also to instilling ethical values, leadership skills, and global competitiveness in our students. With its modern laboratory infrastructure, project- and research-oriented educational model, continuously updated curriculum, and close cooperation with the industry, our department has become an increasingly preferred choice for both domestic and international students each year. Antalya Bilim University’s Department of Civil Engineering continues to advance toward becoming a center that develops innovative solutions to the engineering challenges of the future shaping not only today but also tomorrow.

Exams, Assessment and Evaluation

Within our department, assessment and evaluation are carried out through midterm exams, final exams, assignments, and projects, and each course has its own specific method.

Program Educational Objectives

It is aimed that graduates of the ABU Department of Civil Engineering acquire the following qualifications within the first few years after completing their undergraduate education: They can effectively take part in national and international projects in different subfields of civil engineering such as structural, geotechnical, transportation, hydraulic, and environmental infrastructure systems by using engineering knowledge, analytical thinking, and problem-solving skills. By observing professional ethics, sustainability, and safety principles, they can develop engineering solutions sensitive to societal needs and undertake responsibilities in public institutions, the private sector, or as independent engineers. With teamwork, communication, and leadership skills, they can take an active role in the planning, management, and implementation of projects in collaboration with experts from different disciplines. By following rapidly changing engineering technologies and effectively using digital transformation and innovative design tools, they continuously improve their professional competence. With an awareness of lifelong academic and professional learning, they keep their knowledge and skills up to date through graduate education, in-service courses, or certification programs.

Recognition of Prior Learning

Courses taken in previous education may be recognized as deemed appropriate by our department’s adaptation (equivalency) commission.

Transition to Higher Degree Programs

Students who wish may continue their graduate education by taking the OSYM and YOK examinations and meeting the minimum requirements

Program Outcomes

PÇ-1 Defines and solves complex engineering problems by using mathematics, informatics, natural sciences, basic engineering, and field knowledge.

PÇ-2 Defines complex engineering problems through scientific approaches, analyzes cause-and-effect relationships, and evaluates them in order to develop sustainable solutions.

PÇ-3 By considering economic, environmental, sustainability, ethical, health, safety, and legal constraints, optimizes system, process, and structural designs based on life-cycle cost and resource efficiency, and develops creative engineering solutions.

PÇ-4 Evaluates the limitations of modern laboratory, field, and informatics-based data collection and analysis systems for the analysis and solution of complex engineering problems; selects appropriate tools and uses them effectively.

PÇ-5 Conducts literature reviews in order to investigate complex engineering problems; designs and performs laboratory and field experiments; analyzes data with modern informatics tools and interprets them on a scientific basis.

PÇ-6 Evaluates the effects of engineering practices on society, the environment, sustainability, health, safety, and economic and social responsibility on a global scale; demonstrates knowledge and awareness of their legal consequences.

PÇ-7 In engineering practices, acts with an inclusive understanding of diversity, in compliance with legal regulations, and on the basis of transparency and impartiality; demonstrates awareness with a sense of professional and ethical responsibility.

PÇ-8 Takes an active role in intra-disciplinary and multidisciplinary teams; establishes effective communication and collaboration in face-to-face, remote, or hybrid environments; undertakes a leadership role when necessary.

PÇ-9 In technical and academic matters, communicates clearly, understandably, and effectively in oral and written form by considering the cultural and professional differences of the target audience; expresses opinions and suggestions on a scientific basis.

PÇ-10 Plans and manages projects effectively; develops awareness of economic feasibility, managerial processes, and innovative approaches; acts with an awareness of entrepreneurship and continuous improvement.

PÇ-11 Follows developments in knowledge and technology; maintains independent learning skills; demonstrates awareness of lifelong learning with an understanding of continuous improvement.

NQF Matrix

Subject Area Level 6 (Bachelor's Degree)	No	1	2	3	4	5	6	7	8	9	10	11
Bilgi	1	x	x	–	–	–	–	–	–	–	–	–
Beceriler	1	x	x	–	x	–	–	–	–	–	–	–
	2	x	x	–	x	x	–	–	–	–	–	–
	3	–	–	x	–	–	–	–	–	–	–	–
	4	–	–	–	x	x	–	–	–	–	–	–
	5	–	–	–	–	x	–	–	–	–	–	–
Bağımsız Çalışabilme ve Sorumluluk Alabilme Yetkinliği	1	–	–	–	–	–	–	x	x	x	x	x
	2	–	–	–	–	x	–	–	x	x	x	x
Öğrenme Yetkinliği	1	–	x	–	–	x	–	–	–	–	x	x
	2	–	–	–	–	–	–	–	–	–	x	x
	3	x	–	–	–	–	–	–	–	–	–	x
	4	x	x	–	–	–	–	–	–	–	–	–
	5	–	–	x	–	–	–	–	–	–	–	–
	6	–	–	–	x	x	–	–	–	–	–	–
	7	–	–	–	–	–	x	–	x	–	–	–
İletişim ve Sosyal Yetkinlik	1	–	–	–	x	x	–	–	–	x	–	–
	2	–	–	–	–	x	–	–	–	x	–	–
	3	–	–	–	x	–	x	–	–	–	–	–
	4	–	–	–	–	x	–	–	–	x	–	–
	5	–	–	–	x	x	x	–	–	–	x	–
Alana Özgü Yetkinlik	1	–	–	–	–	–	–	x	–	–	–	–
	2	–	–	x	–	–	x	–	–	–	x	–
	3	–	–	–	–	–	x	–	–	–	x	–

Course Plan

2025 İnşaat Mühendisliği

Semester 1

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TURK 101	Turkish Language I	2	0	0	2	2	Turkish
CE 1021	Computer Aided Technical Drawing	2	2	0	3	3	English
MATH 1001	Calculus I	4	0	0	4	5	English
PHYS 1001	Physics I	3	0	0	3	4	English
PHYL 1001	Physics I Laboratory	0	2	0	1	2	English
CS 1001	Introduction to Programming I	3	2	0	4	6	English
CE 1013	Earth Sciences	2	0	0	2	5	English
CE 1011	Introduction to Civil Engineering and Ethics	2	0	0	2	3	English

Semester 2

Code	Course Name	L	P	Lab	Credit	ECTS	Language
TURK 102	Turkish Language II	2	0	0	2	2	Turkish
ENEN 1002	English for Engineers II	3	0	0	3	3	English
MATH 1002	Calculus II	4	0	0	4	5	English
MATH 1004	Linear Algebra	4	0	0	4	5	English
PHYS 1002	Physics II	3	0	0	3	4	English
PHYL 1002	Physics II Laboratory	0	2	0	1	2	English
CE 1012	Statics	3	0	0	3	5	English
CE 1022	Surveying	2	2	0	3	4	English

Semester 3

Code	Course Name	L	P	Lab	Credit	ECTS	Language

ENWH 1001	Worker Health and Occupational Safety I	2	0	0	2	2	English
ENEN 1001	English for Engineers I	3	0	0	3	3	English
MATH 2003	Differential Equations	4	0	0	4	5	English
CE 2001	Hydrology	3	0	0	3	5	English
CE 2003	Dynamics	3	0	0	3	5	English
CE 2005	Material Science	3	0	0	3	5	English
CE 2007	Strength of Material	3	0	0	3	5	English

Semester 4

Code	Course Name	L	P	Lab	Credit	ECTS	Language
MATH 2006	Numerical Analysis for Engineers	4	0	0	4	5	English
CE 2002	Structural Analysis I	3	0	0	3	5	English
CE 2004	Construction Material	2	2	0	3	5	English
CHM 1001	General Chemistry	3	0	0	3	5	English
CE 2006	Fluid Mechanics	3	0	0	3	5	English
CE 2008	Transportation Engineering	3	0	0	3	5	English

Semester 5

Code	Course Name	L	P	Lab	Credit	ECTS	Language
HIST 101a	Atatürk's Principles and Revolution History I	2	0	0	2	2	English
ENEC 2000	Engineering Economics	3	0	0	3	3	English
MATH 2005	Probability and Statistics	3	0	0	3	5	English
CE 3000	Internship I	0	2	0	1	5	English
CE 3001	Reinforced Concrete I	3	0	0	3	5	English
CE 3005	Structural Analysis II	3	0	0	3	5	English
CE 3007	Soil Mechanics	3	0	2	4	5	English

Semester 6

Code	Course Name	L	P	Lab	Credit	ECTS	Language
HIST 102	Atatürk's Principles and Revolution History II	2	0	0	2	2	Turkish
ENWH 1002	Worker's Health and Occupational Safety II	2	0	0	2	2	English
CE 3002	Construction Management	3	0	0	3	5	English
CE 3004	Reinforced Concrete II	3	0	0	3	5	English
CE 3006	Hydraulics	3	0	0	3	5	English
CE 3008	Steel Structures	3	0	0	3	5	English
NAE 1000	University Elective Courses	0	0	0	0	3	-
NAE 1000	University Elective Courses	0	0	0	0	3	-

Semester 7

Code	Course Name	L	P	Lab	Credit	ECTS	Language
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-

Semester 8

Code	Course Name	L	P	Lab	Credit	ECTS	Language
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-

Code	Course Name	L	P	Lab	Credit	ECTS	Language
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-
AECE 1000	Area Elective	0	0	0	0	5	-

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