

Bachelor's Degree Program in Civil and Environmental Engineering for Risk Mitigation

Course Outline

for students enrolled in the 2020-2021 academic year

I Year 2020-2021

Credits

Mathematics I 15

Design and construction elements 9

English language 3

Data processing with IT tools 6

General Physics 9

Chemistry and Materials Technology 9

Second year 2021-2022 – I SEMESTER

Mathematics II 9

Rational Mechanics 9

Statistics Applied to Observations for Risk Assessment 6

Geology 6

Year II 2021-2022 – II SEMESTER

Civil Curriculum

Elements of BIM 6

Construction Science 9

Technical Physics 9

Hydraulics 9

Environmental Curriculum

Chemistry for the Environment 6

Construction Science 9

Technical Physics 9

Hydraulics 9

Year III 2022-2023 – I SEMESTER

Hydraulic constructions 9

Soil mechanics 9

Construction techniques 9

Third year 2022-2023 – II SEMESTER

Civil Engineering Curriculum

Building Safety Analysis 9

Topography and Monitoring 9

Elective exam 6

Elective exam 6

Internship 6

Final exam 3

Environmental Engineering Curriculum

Pollution Phenomena and
Fundamentals of Environmental Health Engineering
9

Topography and Cartography 9

Elective exam 6

Elective exam 6

Internship 6

Final exam 3

Pre-approved elective exams

Slope stability II sem, 6

Road, railway, and airport construction II sem, 6

Pollution phenomena and fundamentals of sanitary and environmental engineering II
sem. 6

Construction characteristics of existing buildings II sem, 6