

Summer 2021 for International Undergraduates
Southeast University
School Civil Engineering
Summer School



Session A: Frontiers in Research: Seminar Series on Civil Engineering – State of the Art

The research seminars cover a wide range of topics in the field of civil engineering including structural, disaster prevention, geotechnical engineering, bridge and tunnel, engineering management and mechanics. Top researchers in the world will be invited to present the cutting-edge technologies, novel concepts and ideas. The students will have opportunities to learn and closely discuss with leading scholars and engineers in their area.

Contact: Dr. Yao Chen, chenyaoyao@seu.edu.cn

Session B: Frontiers in Industry: The course on intelligent construction and operation of key infrastructure

This is a course for civil engineering undergraduates. The purpose of this course is to enable students of civil engineering to systematically learn and understand the current intelligent construction, operation and maintenance technology. From this course, students will learn the concepts of intelligent sensor, health monitoring, organization evaluation, and preventive maintenance management, etc. They will also understand the intimate contact and integration application of modern civil engineering structure and advanced information technology from the perspective of interdisciplinary integration. The aim is to broaden the knowledge of civil engineering students and nurture comprehensive applied talents who can adapt to the modern construction. In the class, we will apply multimedia teaching means combined with teaching courseware to fully motivate students and improve the quality of teaching. Meanwhile, with lectures and discussions, we will help students develop the ability of analysis, self-study, expression and innovation. Summer school is the important part of the frontier lecture part of the course.

Contact: Dr. Dongming Feng, dfeng@seu.edu.cn

Session C: Frontiers in Market: Exploring the Transformation and Upgrading of the Construction field in the Era of Digital Economy

Under the background of new infrastructure construction, the overall social and digital economy develop at a high speed, the technology and services of each link of the real estate industry chain will innovate in multiple dimensions, and the digital transformation of the real estate industry will accelerate. The new infrastructure is driving the high-quality development of real estate and injecting new impetus into the real estate economy. The students will acquire the following by attending this course: key factors that influence the value of real estate, how those influences unfold, principles and practices in the real estate market, and especially skills and knowledge required in the areas of real estate and investment. This course also includes other interesting topics such as state-of-art research findings and trends of the real estate market in different countries or regions.

Contact: Dr. Saina Zheng, sena_zheng@seu.edu.cn

Open to undergraduate students enrolled in civil engineering, in good standing at their home university. Non-native English speakers should have TOEFL score of 80(iBT), IELTS score 6.0 (or equivalent).

Dates & Deadlines
July 5 - August 8