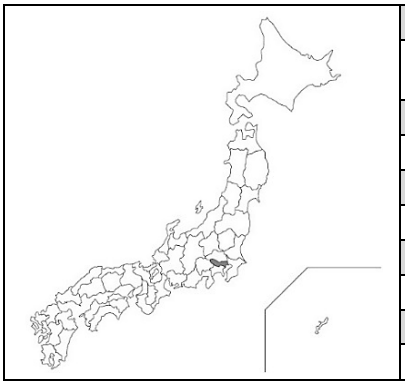
The University of Tokyo

Department of Urban Engineering, Graduate School of Engineering

Address: 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033 JAPAN



Program Name
Graduate Program for International Students in Urban and Environmental Studies (UBEUPN/ENV)
Degree
Master of Engineering
Credits and years required to graduate
30 Credits, 2 years
Math Exam
Required
Admission Quota
2 students per batch

Web Links

- University
  https://www.u-tokyo.ac.jp/en/
- Department
  https://www.due.t.u-tokyo.ac.jp/english/
- Faculty Members
  https://www.due.t.u-tokyo.ac.jp/english/lab/faculty/
- Pamphlet
  https://www.due.t.u-tokyo.ac.jp/english/wp-content/uploads/sites/2/2021/06/pamphlet_2021_english.pdf

Features of the University

- The University of Tokyo was established in 1877 as the first national university in Japan. Since its establishment, UTokyo has been a leader in research and higher education as the most difficult university to enter in Japan. It is also renowned for its international level of advanced study.
- The UTokyo's Faculty of Engineering has overseas exchange partnerships with eight universities in India. (IIT Kharagpur, IIT Kanpur, IIT Delhi, IIT Hyderabad, IIT Madras, IIT Bombay, IIT Roorkee, and IIM Bangalore.)
- The University of Tokyo India Office is in New Delhi. It serves as a base for the AKAMONKAI (UTokyo alumni association) of India, which holds alumni gatherings and other events.

Features of the Graduate School

- The educational and research objectives of the department are to develop human resources who will acquire systematic knowledge of Urban Engineering and its application techniques, and who will become experts in Urban Planning, Urban Design, Urban Transportation Planning, Urban Analysis, Environmental Design, Urban Environmental Engineering, Urban Water Systems, International Urban Environment, and Urban Management, and to contribute to the sound development of national land and regional society from a global perspective, taking into account the diversity of regional climates and social cultures.
- As of May 2023, there are 8 Indian students enrolled in the master's program and 24 in the doctoral program at the Faculty of Engineering.
- As of February 2024, there are 107 master's students majoring in Urban Engineering, 26 of whom are international students receiving instruction in English.

Curriculum

Features of the Curriculum

- The Urban Planning Course offers study in areas such as Urban Land Use Planning, Urban Design, Urban Transportation, Collaborative Community Design, Housing and Urban Analysis, Environmental Planning and Design, Urban Information and Safety Systems, and International Development and Regional Planning.

- The Urban Environmental Engineering Course covers areas such as Urban Water Systems, Water Environment Technology, Environmental Public Health Engineering, Urban Sustainability Science, Environmental Risk Management and Quality Control Technology, and Regional Circulating and Ecological Systems.

Project Research / Master's Thesis

- Each student is assigned a primary advisor (or one or two secondary advisors, depending on the laboratory system). The theme of the master's research is set in consultation with the supervisor and the student.
- In addition to close research guidance through regular meetings with the supervisor, students have opportunities to expand their knowledge in the field through seminars held in each laboratory.
- Twice a year, at the end of each semester, students present the progress and results of their research in front of all faculty members (and students) of the Urban Planning Course or Environmental Engineering Course and answer questions. This is an opportunity for students to obtain advice from faculty members in other laboratories and to broaden their knowledge of other students' research.
- The research areas of the Urban Planning Course faculty members include Urban Land Use Planning, Urban Design, Housing and Urban Analysis, Urban Information and Safety, International Development and Regional Planning, Urban Transportation, Collaborative Community Design, Environmental Planning and Design, Spatial Planning and Design, Social Safety System., etc.
- The research areas of the Urban Environmental Engineering Course faculty members include Environmental Risk Management and Quality Control Technology, Water Environment Technologies, Urban Water Systems, Regional Circulating and Ecological System, Urban Sustainability Science, Social Ecological System, Environmental Public Health Engineering, and Sewerage System Innovation, etc.

Academic Schedule

Academic Calendar 2023
https://www.due.t.u-tokyo.ac.jp/english/edu/timetable/

Student Support System

(i) There are weekly meetings in each laboratory, close thesis guidance with academic advisors, and a tutor system to support learning and daily life.
(ii) The Graduate School of Engineering's International Promotion Division has an International Student Support Team and an International Exchange Team, which support international students. There is also a Japanese language class. All of our staff members speak English, and we also have full-time staff who speak other languages.
(iii) International student advisors advise on visas, housing, daily life, private scholarships, etc. Additionally, counselling is provided to all newly admitted international students during the first semester.
(iv) The student cafeteria accommodates Halal and vegetarian meals.
(v) The Hongo Campus has a Japanese education program for international students majoring in the Graduate School of Engineering and a Japanese education program for spouses of international students.

NOTE for Applicants

- You **need** to take Math Exams.
- The master's program in Department of Urban Engineering is not a taught course, but **a research-based course**, which puts more focus on in-depth research and writing. Therefore, before applying, you need to 1) identify the most suitable supervisor who can guide your research and 2) contact and consult with him/her to write a research plan (Prescribed Form 3B). To find a supervisor, check the list of faculty on the following page. When you contact him/her first time, please CC your email to the JDS Proejct Office (jds.india@jds21.com) which enable JDS to assist you.
- In addition to a research plan, you need to submit a 1-2 page abstract of your graduation thesis (and a master's thesis abstract if you have one). See Prescribed Form 3B.

List of Faculty Members (https://www.due.t.u-tokyo.ac.jp/english/lab/faculty/)

1. Urban Planning

Name	Research Area	Laboratory
ASAMI, Yasushi Professor, Ph.D.	Housing policy, habitation system engineering, spatial structure of residential areas, residential environment	Housing and Urban Analysis Research Unit
DEGUCHI, Atsushi Professor, D. Eng.[4]	Urban design, urban redevelopment, compact city, area management	Spatial Planning and Design Laboratory
HINO, Kimihiro Associate Professor, Ph.D.	Urban dwelling, CPTED (crime prevention through environmental design)	Housing and Urban Analysis Research Unit
HIROI, U Professor, D. Eng.[2]	Urban disaster mitigation, risk engineering	Urban Information & Safety System Unit
Iida, Akiko, Project Lecturer, Ph.D.	Landscape planning and design, urban ecology	Environmental Planning and Design
KATO, Takaaki Professor, D. Eng.[3]	Planning and engineering for social safety system, community-based planning for disaster mitigation	KATO Takaaki Lab, ISS
KOIZUMI, Hideki Professor, D. Eng.	Urban land use planning	Collaborative Community Design and Planning
MANABE, Rikutaro Professor, Ph.D.[12]	Information for planning, machizukuri digital transformation, citizen participation for planning	Urban Land Use Planning Unit
MURAYAMA, Akito Associate Professor, Ph.D.	Planning, community development, planning methodology	Urban Land Use Planning Unit
NAKAJIMA, Naoto Professor, Ph.D.	Urban design, theory of urbanism, planning history	Urban Design Lab
NAKAJIMA, Hiroki Project Lecturer, Ph.D.	Urban governance, regenerative design	Collaborative Community Design and Planning
NISHI, Hayato, Project Lecturer, Ph.D.[10]	Spatial statistics, housing & real estate market analysis	Housing and Urban Analysis Research Unit
PARADY, Giancarlos Lecturer, Ph.D.	Urban transportation planning, activity-travel behavior analysis	Urban Transportation Research Unit
SADAHIRO, Yukio Professor, D. Eng. [1]	Geographical information systems, spatial analysis	Housing and Urban Analysis Research Unit
SETA, Fumihiko Associate Professor, Ph.D.	National and urban planning, regional development, global cities	International Development and Regional Planning Unit
SHO, Kojiro Associate Professor, Ph.D.	Urban space in Asian cities, gentrification theory, participatory planning	International Development and Regional Planning Unit
TAKAMI, Kiyoshi Associate Professor, D.Eng.	Urban transportation planning, integrated planning of transport and land use	Urban Transportation Research Unit
YAMAZAKI, Takahiro, Project Lecturer, Ph.D.[11]	Landscape planning	Environmental Planning and Design

2. Urban Environmental Engineering Course

Name	Research Area	Laboratory
FUJITA, Tsuyoshi Professor, D. Eng.	Regional SDGs, Environmental system, regional circular and ecological system, urban industrial symbiosis	Regional Circulating and Ecological System
FUKUSHI, Kensuke Professor, Ph.D. [5]	Hazardous material management, risk management, regional water environment management	Urban Sustainability Science Laboratory
HASHIMOTO, Takashi Associate Professor, D. Eng.[7]	Water treatment technology, water system in Asia	Envvironmental Public Health Engineering
KASUGA, Ikuro Associate Professor, D. Eng.[2]	Environmental microbiology, biological water/wastewater treatment	Water Environment Technology
KATAYAMA, Hiroyuki Professor, D. Eng.	Water quality public health, waterworks engineering, environmental microbiology	Envvironmental Public Health Engineering
KATO, Hiroyuki Project Associate Professor, D. Eng.	Sewerage system, water environmental policy and business, sewerage resource utilization	Sewerage System Innovation
KAZAMA, Shinobu Associate Professor, D. Sc. [4]	Environmental virology, water environmental engineering, environmental and sanitary engineering	Social Ecological System
KITAJIMA, Masaaki Project Professor, D. Eng. [7]	Environmental virology, wastewater-based epidemiology, microbial risk management	International Wastewater-based Epidemiology
KURISU, Futoshi Professor, D. Eng. [7]	Microbial ecology for environmental engineering, groundwater /soil remediation, biological water/wastewater treatment	Water Environment Technology
KURISU, Kiyo Associate Professor, D. Eng.	Pro-environmental behavior, environmental system evaluation, low carbon society, waste management	Urban Sustainability Science Laboratory
NAKAJIMA, Fumiyuki Professor, D. Eng. [6]	Ecotoxicity evaluation, water chemistry, contaminated sediment management	Environmental Risk Management and Quality Control Technology
NAKATANI, Jun Associate Professor, D. Eng.	Life cycle assessment, material flow analysis, resource circulation system	Regional Circulating and Ecological System
OGUMA, Kumiko Professor, D. Eng.	Water treatment technologies, water supply systems, environmental microbiology	Urban Water Systems
ONUKI, Motoharu Associate Professor, D. Eng. [4]	Environment and sustainability, disaster and sustainability, sustainability education	Social Ecological System
SATOH, Hiroyasu Professor, D. Eng. [4]	Environmental microbiology, environmental chemical analysis, biological wastewater treatment	Social Ecological System
SYUTSUBO, Kazuaki Professor, D. Eng. [9]	Appropriate wastewater treatment, anaerobic digestion, technology evaluation and implementation	Urban Water Systems
TAKIZAWA, Satoshi Professor, D. Eng	Water supply engineering, water and wastewater treatment	Urban Water Systems (Sewerage System Innovation)
TOBINO, Tomohiro Associate Professor, D. Eng.	Biological wastewater treatment, environmental microbiology, sewerage	Environmental Risk Management and Quality Control Technology