TOKYO METROPOLITAN UNIVERSITY

Faculty of Urban Environmental Sciences
Graduate School of Urban Environmental Sciences

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In order to live comfortably and enhance our quality of life, we must create and maintain urban spaces that harmonize with the natural environment and possess safe, functional social systems.
Our Faculty of Urban Environmental Sciences and Graduate School of Urban Environmental Sciences cultivate comprehensive, interdisciplinary knowledge, practical and multifaceted judgment, and conceptual and propositional skills through various specialized courses, experimentation, hands-on training, fieldwork, problem-solving exercises, internships, and advanced research activities.
Let's delve into various issues related to urban environments, such as the interrelation between advancing urban functions and environmental problems, the efficient and stable supply of energy in large cities, infrastructure renewal and aging, large-scale disaster response, urban and regional economic revitalization, dealing with the aging population, coexistence with diverse people, and administrative-financial management, and engage in cutting-edge research leading to solutions.

Department of Geography

The interrelationships between humans, Earth, and the environment are elucidated through field research and geographic information systems.

Concept

This Department investigates the environment of the Earth from various aspects, considering not only natural environments such as terrain, climate, and vegetation surrounding humans, but also features of regional culture, society, and economy.
Emphasizing on fieldwork, this department provides an exhilarating environment where the history and future of the Earth and regions can be learned using your own senses.
Actively utilizing the Geographic Information System (GIS), whose demand has been increasing in recent years, this department is unique in Japan, offering a solid foundation in various types of geography, while focusing on enhancing skills for analyzing geographic spatial information.
The laboratories are divided into five areas: "Geomorphology & Geology," "Climatology," "Geographic Information Science," "Environmental Geography," and "Urban & Human Geography," further deepening expertise and tackling environmental issues and social problems at the graduate level.

Department of Civil and Environmental Engineering

Engineering for citizens which coexists with nature and environment, and creates safe and prosperous social infrastructure.

Concept

The Department of Civil and Environmental Engineering aims to cultivate professionals who will be responsible for the future. Our mission covers the variety of engineering views such as plan, design, construction, operation and maintenance of infrastructure facilities, as well as the conservation of social and natural environments, and the disaster risk reduction to protect people's lives and assets. Three courses, "Social Infrastructure," "Water and Environmental Systems," and "Safety and Disaster Prevention," are provided to foster individuals with comprehensive perspectives and qualities.
In addition, the distinct characteristics of our department can be experienced through international joint research, field activities through internship, etc. based on an agreement with Tokyo Metropolitan Government. This facilitates learning, about maintenance and management of urban infrastructure, conservation and creation of the environment, and mitigation of natural disasters with the image of actual works.

Department of Architecture and Building Engineering

Approach the realization and improvement of a safe and comfortable urban environment from architectural and urban perspectives.

Concept

Not only the technology to create safe, comfortable, and beautiful buildings as single entities, but the Department of Architecture and Building Engineering also think about the entire urban environment, including urban spaces, and provide unique education to solve issues related to architecture and cities, led by a diverse faculty.
In addition to general architectural studies, theories and techniques related to cities are also studied in a multifaceted manner, further fostering the knowledge and thinking ability to comprehensively understand and evaluate the relationship between humans and society that utilize them.
In particular, proactive efforts are being made to utilize existing architectural assets for urban development, a major issue faced by the metropolis of Tokyo, and the comprehensive technology development to utilize this architectural stock has received high international acclaim.
This is positioned as a core theme of the Department, and the latest achievements in this area are utilized in classes and research, which is one of the features.

Department of Applied Chemistry for Environment

In the pursuit of harmonious application of chemistry, dialog-oriented and problem-solving education is employed.

Concept

Based on fundamental chemistry, the Department of Applied Chemistry for Environment conducts research and education in applied chemistry and materials chemistry with practical implications.
With the SDGs in mind, the aim is to foster researchers and engineers who have the necessary knowledge and skills to create materials and substances in harmony with the global environment and urban society, utilizing chemical technology across a wide range of fields such as environment, energy, materials, and bio.
The curriculum actively introduces English education with a global perspective and active learning to foster autonomy and problem-solving capabilities.
In the final year, each student tackles an original research theme individually.
Furthermore, at the graduate level, the department aims to foster researchers and engineers leading the 21st century by tackling the world's most advanced research themes.

Department of Tourism Science

Using the analytical and planning power of science and management, we pursue tourism that balances the preservation and utilization of regional resources.

Concept

The Department aims to foster professionals who can preserve and improve various environments that serve as resources and fields for tourism, and who can use tourism to enhance the appeal and value of a region, as well as boost the local economy.
In particular, it aims to "scientifically study tourism" using knowledge and technology from science and economics.
The Department provides opportunities to learn investigative and analytical methods and presentation techniques to support planning, practical activities, and elucidation of tourist phenomena and behaviors through diverse lectures and ample practical exercises and observation training.
A central part of this is the PBL (Project Based Learning) exercises.
In real-life field settings, you can experience everything from "diagnosis of tourist sites to planning and practical application" while addressing the needs of local governments, businesses, and residents.
The Department also offers abundant opportunities for research and study in international settings.
At the graduate level, you can conduct more specialized research and collaborative research with local governments and businesses.

Department of Urban Science and Policy

Providing and practicing urban policy science to creatively solve complex issues.

Concept

In the Department of Urban Science and Policy, students learn "urban policy science" composed of disciplines such as humanities, social sciences, and urban engineering.
The Department aims to nurture individuals capable of policy formulation towards solving urban issues, starting from the mastery of basic investigation and analysis methods for urban problems, through lectures in various disciplines, field experience-based practical training, and group work.
Entrance examinations can be taken in either humanities or sciences.
The Field aims to nurture individuals who can comprehensively understand cities, theoretically and empirically elucidate and study from the perspectives of space, system, and society, and practice sustainable urban development.
In addition to creating a master's thesis in the master's program, there is also a course where graduation is awarded upon submission of research results on a specific issue.
After graduation, students are expected to find employment in administrative agencies, public service providers, real estate, and private urban-related agencies.
We encourage you to challenge yourself in this Department.

Point 1 Embrace Your Global Educational Experience with Our Support Programs

Our institution offers a variety of study abroad opportunities, enabling students to engage with state-of-the-art research at renowned international universities, and expand their horizons through the acquisition of new knowledge. We also provide tailored short-term and mid-term support programs.

Point 2 Innovative Learning Methods that Redefine Traditional Lecture-based Approaches

Our progressive curriculum incorporates Project Based Learning (PBL) methodologies, fostering a student-driven learning environment that promotes problem-solving skills through active experimentation, hands-on training, and fieldwork experiences.

Point 3 Addressing Urban Challenges with a Comprehensive, Forward-thinking Curriculum

Our strong educational foundation and commitment to research is further enhanced by the integration of cutting-edge research into our curriculum. We seek students with broad perspectives and flexible thinking to tackle urban issues.

Entrance Exam Information

Faculty of Urban Environmental Sciences

▶▶Faculty of Urban Environmental Sciences
https://www.tmu.ac.jp/english/education.html

【Seeking students who: 】

1. Possess the academic prowess and passion to realize their dreams through study at the Faculty of Urban Environmental Sciences
2. Aim to become leaders of the international metropolitan society with broad perspectives and flexible thinking
3. Are eager to solve diverse urban environmental issues through an integrated approach combining engineering, natural sciences, and humanities and social sciences

General Selection	Admissions centered around academic exams (First-term exams: February, Second-term exams: March)
School Recommendation Selection & Comprehensive Selection	Admissions for students with abilities and qualities not measurable in general selection (Exams: October, November)
Special Selection	Admissions for returnee students, privately-funded international students, etc. (Exams: February, March)
Transfer Admissions Exam	Admissions for graduates of technical colleges or junior colleges (entry into the third year) (Exams: July)

*Please refer to the Admissions Guidelines/Recruitment Guidelines for details.

Graduate School of Urban Environmental Sciences (Master's and Doctoral Programs)

▶▶Graduate School of Urban Environmental Sciences
https://www.ues.tmu.ac.jp/en/admission_graduate.html

The Graduate School of Urban Environmental Sciences seeks individuals who are eager to pursue ideal urban environments, discover various challenges related to metropolitan environments, and engage in cutting-edge research and interdisciplinary studies integrating arts and sciences. Particularly in the doctoral program, we seek individuals eager to disseminate their research results to the world.

April Admissions Exam & October Admissions Exam	Admissions centered around academic exams (Summer exams: August, Winter exams: February)
Special Selection for Overseas Students [For Applicants living outside Japan]	Admissions for individuals with foreign nationality residing outside of Japan (Exams: May)

*Please refer to the Recruitment Guidelines for details.

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