

## ADMISSION INFORMATION

### Admission requirements

- University graduation with GPA  $\geq 2.5/4.0$  in majors specified in admission announcement.
- English proficiency requirements:  
Level 3/6 (IELTS 4.5) in Vietnamese reference framework for foreign language or equivalent.

### Entrance exam

- Open admission
- Entrance exam: documents screening and interview

### Application documents

Visit the VJU website at [www.vju.vnu.edu.vn](http://www.vju.vnu.edu.vn) or [vju.ac.vn](http://vju.ac.vn) for admission guidelines and to download application documents.

## CONTACT INFORMATION

Address: My Dinh Campus, Luu Huu Phuoc Road,  
Cau Dien Ward, Nam Tu Liem District, Hanoi

Phone: (+84) 24 7306 6001 (ext 5093)

Hotline: (+84) 966 954 736 or (+84) 963 638 426

Email: [admission@vju.ac.vn](mailto:admission@vju.ac.vn)



*The University of Tokyo is ranked first among the most reputable and prestigious universities in Japan and 36<sup>th</sup> in the world according to the Times Higher Education World University Rankings 2020.*



*Ritsumeikan University is one of the finest Japanese private universities, especially in terms of education and research quality.*



Assoc.Prof. Dr. Cao Thi Ha  
Vietnam National University, Hanoi  
Director  
Master's Program  
in Environmental Engineering



Prof. Dr. Jun Hikojima  
Ritsumeikan University  
Co-Director  
Master's Program  
in Environmental Engineering



Prof. Kenzo Fukuda  
The University of Tokyo

*"The United Nations held the Sustainable Development Summit 2015 and decided the new global Sustainable Development Goals (SDGs). Environmental engineering is one of the most important major fields that can contribute to accomplishing the SDGs. However, it is necessary to study widely, ranging from basic science to engineering to acquire the required amount of environmental engineering study. Moreover, practical experience is also important. The environmental engineering program at VJU is preparing attractive lectures and exercises for you, including practices, internships and studies in Japan. You can understand the technologies and their application system concerning environmental engineering that have been successfully improved in Japan. We are sure to provide you with a quite new master's program through the collaborative teaching of Vietnamese and Japanese professors. Please join our program and open the door to contributing to the SDGs and the establishment of a sustainable society in the future. After completion of the program you will play an important role in various workplaces, not only in Vietnam but also foreign countries around the world."*



VIETNAM NATIONAL UNIVERSITY, HANOI  
VIETNAM JAPAN UNIVERSITY



## MASTER'S PROGRAM IN ENVIRONMENTAL ENGINEERING

The program is endorsed by:







## EDUCATIONAL OBJECTIVES

- Equip students with the principles of environmental engineering based on fundamental knowledge of chemistry, physics, and biology.
- Provide students with advanced knowledge for assessment, management, and prediction of environmental issues, which is required for high-level research.
- Encourage students to address multidisciplinary environmental issues independently and creatively in cooperation with other professionals.

## CAREER DEVELOPMENT

- Governments responsible for environmental issues;
- Researchers in universities and private sector;
- Excellent JP and VN companies in environmental engineering;
- Ph.D in leading universities in JP and other countries (Over 50% of 1st batch students).



## ADVANTAGES OF THE PROGRAM

- High-quality lectures organized by excellent professors from Vietnamese and Japanese partner universities.
- Many opportunities for participating in collaborative research projects.
- Dedicated laboratory facilities with advanced analytical instruments and educational spaces.
- Warm relationship between faculty and students.
- Full or partial scholarship and internship activity in Japan for outstanding students.
- Competitive advantage in future career.

## CURRICULUM

The curriculum consists of a total of 64 credits, including core courses of fundamental and professional knowledge, as well as elective courses in each specified field.



### COURSES

### CREDITS

<b>General knowledge</b>	
Philosophy	3
Japanese Language	6
<b>Fundamental and Specialized courses</b>	
<b>Compulsory courses</b>	<b>14</b>
Basic Sustainability Science	3
Methodology and Informatics for Sustainable Science	3
Environmental Management Systems	2
Environmental Analysis and Measurement	2
Environmental Assessment and Modeling	2
Water and Wastewater Engineering	2
<b>Elective courses</b>	<b>21/41</b>
Academic English	4
Material Cycles and Solid Waste Management	3
Environmental Management in Japan	2
Global Environmental Issues	2
Advanced Environmental Analysis	3
Environmental Health	2
Advanced Environmental Chemistry	3
Air Emission and Quality Control	3
Industrial and Hazardous Material Management	2
Environmental Biotechnology	3
Environmental Engineering Laboratory	3
Chemical Reaction Engineering	3
Advanced Water Treatment and Wastewater Reclamation	3
Application of Environmental Technology in Asian Countries	3
Advanced Computer Applications in the Environment	2
<b>Internship</b>	<b>6</b>
<b>Master thesis</b>	<b>14</b>

## TEACHING LANGUAGES

English and Vietnamese

## DURATION AND LOCATION

**Duration:** 24 months of full-time study

**Location:** My Dinh Campus of Vietnam Japan University



## DEGREE AND QUALIFICATION

The degree of Master in Environmental Engineering