

# Engineer a More Sustainable Future.



Nagaoka  
University of  
Technology

## SDG Professional Course

a new UNESCO CHAIR PROGRAMME



United Nations  
Educational, Scientific and  
Cultural Organization



UNESCO Chair on Engineering Education  
for Sustainable Development,  
Nagaoka University of Technology, Japan

[nagaokaut.ac.jp/e/](http://nagaokaut.ac.jp/e/)

# Make your world bigger. And make it better for everyone.

Do your personal goals match up with UNESCO Sustainable Development Goals? Join us in the **SDG Professional Course** at **Nagaoka University of Technology Graduate School of Engineering**. We are proud to present you this graduate-level course which incorporates engineering education built on a foundation of United Nations Sustainable Development Goals (SDGs), and is designed to produce practical engineers and researchers with high levels of expertise and educators of advanced engineering.



## SDG PROFESSIONAL COURSE AT NUT



1. A curriculum designed to develop practical research capabilities in course graduates that enable them to be active in various countries throughout the world, help to improve the global level of science and technology, and contribute to the accomplishment of the SDGs.
2. Education and research guidance conducted in English.
3. Opportunities to experience Japan's technical innovation through internships.
4. Opportunities to learn Japanese language (including Business Japanese for Beginners) and Japanese Affairs.

## MASTER'S PROGRAM

NUT Graduate School of Engineering offers a Master's Program in the following fields:

- Mechanical Engineering
- Electrical, Electronics and Information Engineering
- Materials Science and Technology
- Civil and Environmental Engineering
- Bioengineering
- Information and Management Systems Engineering
- Nuclear System Safety Engineering

### COURSE REQUIREMENTS

1. Students must earn 30 credits or more in order to graduate from the master's program.  
Of these, 6 credits shall be from common study subjects and a minimum of 24 credits shall be from the postgraduate subjects offered in the relevant academic major.
2. Students enrolled in this course must earn 4 credits of course-compulsory subjects.
3. Students enrolled in this course must earn 2 credits or more from course-recommended elective-compulsory subjects.

In cases where common study subjects including those listed below have already been taken, students may include up to 6 credits from the common study subjects required by the relevant program.

### Course-Compulsory Subjects

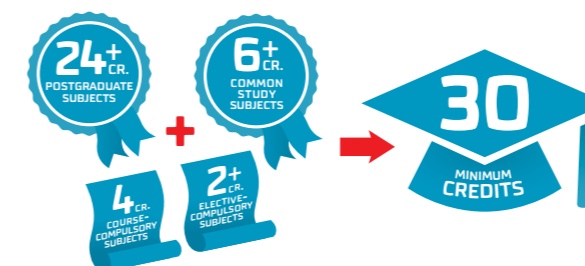
- Japanese Industrial Development Experience
- Gigaku Innovation and Creativity

### Course-Recommended Elective-Compulsory Subjects

- Internship for SDG Professional Course Students
- International Relations
- Technology and Public Policy

### Special Subjects for Master's Students in SDG Professional Course\*\*

- Internship for SDG Professional Course Students



## DOCTORAL PROGRAM

NUT Graduate School of Engineering offers a Doctoral Program in the following fields:

- Information Science and Control Engineering
- Materials Science
- Energy and Environment Science
- Integrated Bioscience and Technology

### COURSE REQUIREMENTS

1. Students must earn 12 credits or more in order to graduate from the doctoral program.
2. Students enrolled in this course must take a course-compulsory subject (2 credits).



### Course-Compulsory Subject for Doctoral Students in SDG Professional Course\*

- Interdisciplinary Joint Project Study

\* Credits from this subject do not count toward the credits required for program completion.

\*\* Students who take this subject are required to take "Basic Japanese Language Course I" and "Business Japanese for Beginners" as extracurricular subjects.

## ABOUT UNITED NATIONS SDGs



In 2015, the United Nations designated a set of 17 global SDGs (addressing issues such as poverty, healthcare, education, and others) to be achieved by 2030. In order to accomplish these goals, it is crucial to further develop and spread science and technology on a global scale. We have committed to this effort by accepting students from a wide range of countries and providing them with a practical education program in collaboration with Japanese industries. In this way, we aim to nurture the development of individuals who can contribute to the development of science and technology, especially in newly industrialized countries.

## APPLY NOW

Don't miss this great opportunity to be a part of global learning, and earn a master's or doctorate degree with SDG certificate. Apply at [www.nagaokaut.ac.jp/e/nyuushi/sdgp\\_course](http://www.nagaokaut.ac.jp/e/nyuushi/sdgp_course).



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**SUSTAINABLE DEVELOPMENT GOALS**



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