



What do you grab in life?

You can get up to two of the following,
but not all three at the same time.
So, which two would you choose?

FAME

FORTUNE

FREEDOM



“Freedom” also comes in many forms



Freedom guaranteed by the Constitution of Japan

- ❄️ Thought, conscience, and religious beliefs
- ❄️ Assembly, association, speech, publication, communication
- ❄️ Residence, relocation, choice of occupation, renunciation of nationality
- ❄️ Study, marriage



Poverty, freedom from fear of scarcity

- ❄️ Minimum healthy and cultural life



Freedom from pain, danger,
and unexpected death



Statue of
Freedom



Statue of
Liberty



What global risks to consider?

- 💧 Collapse of the State, revolution
- 💧 War, terrorist attacks
- 💧 Serious accident
 - ❄️ Lifeline cutoff
- 💧 Social unrest
 - ❄️ Food shortage
 - ❄️ Resource depletion
 - ❄️ Global recession
- 💧 Cataclysmic events
 - ❄️ Natural disaster
 - ❄️ Pandemic
 - ❄️ Loss of life and property





To solve...

- 💧 Regulation by law
- 💧 Incentivizing through social institutions
- 💧 Solution by market mechanisms
- 💧 Solutions through technological innovation

If all you have is a hammer, everything looks like a nail

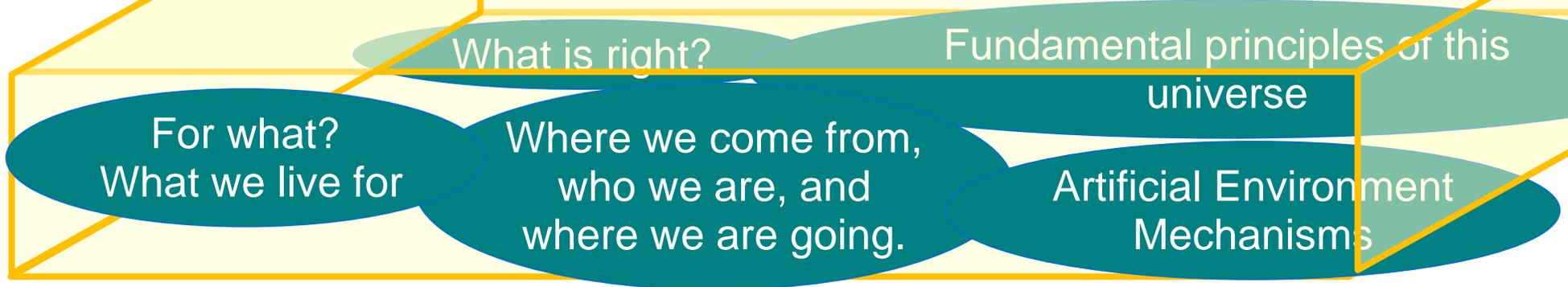
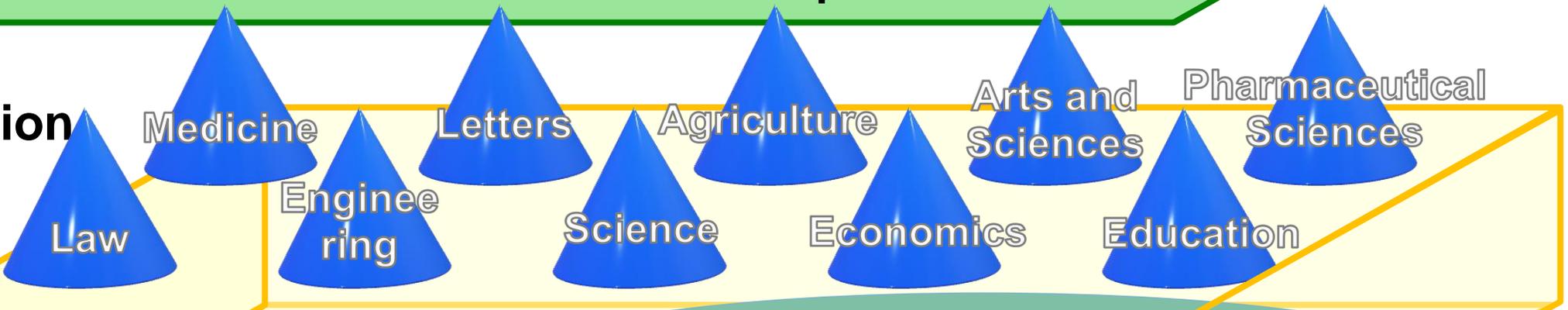
(Abraham Maslow, 1908-70)

What and how to learn at The University of Tokyo?

Cross-departmental Education

Acquire the ability to collaborate with experts in diverse fields to build a sustainable society in which all people can live with self-respect and a sense of self-respect

Advanced Specialization Education



extensive liberal arts education

2024
Newly opened

Cross-Departmental Educational Programs

Interdisciplinary Education Program on Sustainability

Objectives

In order to realize a sustainable, peaceful, and better future society, all graduates of our university, regardless of their backgrounds or specialties, are required to have extensive knowledge of technologies and social systems for carbon neutrality, circular economy, and a society that coexists in harmony with nature. This program aims to contribute to the realization of a better society of the future by adding sustainability-related knowledge to those who will be active in society as specialists in their respective fields after graduation, and by producing such human resources in every corner of society.

Program Overview

参考学部

※これら以外の学部からも受講可能

- 工学部
- 理学部
- 農学部
- 文学部
- 教養学部

キーワード

- 地球システム
- 生態系
- 環境正義
- SDGs持続可能な開発目標
- 脱炭素
- サーキュラーエコノミー
- GX(グリーンTRANSフォーメーション)

連携する教育プログラム

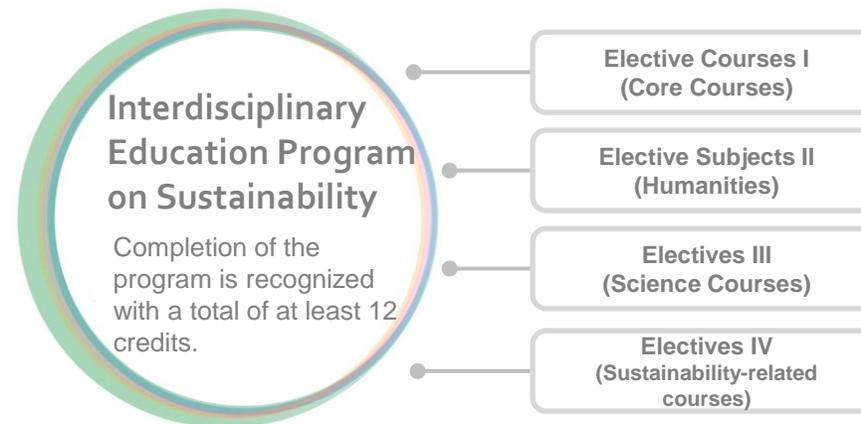
- エネルギー総合学教育プログラム
- 未来社会協創プログラム
- SPRING - GXプログラム

コア科目の例

- 地球環境学(工)
- エネルギー科学概論(教養)
- 応用倫理特殊講義VIII(サステナビリティ研究)(文)
- 環境調和農学プログラム
- プロアクティブ環境学プログラム
- PEAK国際環境学コース

サステナビリティ学際教育プログラム

Program Structure



Students who have earned a total of 12 credits or more and wish to receive a certificate of completion should apply for the certificate at UTAS. The application for the certificate is due at the beginning of the semester in which the student graduates from the undergraduate or graduate school (including doctoral students).

How to participate

Web Registration

Web registration is strongly recommended to receive news and other information.

How to take a course

Courses in your department will be taken as usual in your department. For courses in other faculties, you must follow the procedures for courses in other faculties.



For more information about the program, please check this website.

<https://utccs.utokyo.ac.jp/program/>



WINGS CFS

World-leading Innovative Graduate Study Program
Co-designing Future Society

「未来社会協創」 国際卓越大学院

- Completion of the program will be appended to your diploma.
- World-Class Professional Education
We will foster highly skilled knowledge professionals who can envision an ideal future, sometimes taking the lead in realizing that future, and sometimes collaborating with outstanding leaders in diverse fields to realize innovation and its implementation in society.
- Outstanding RA and other financial support
- University-wide program (integrated master's and doctoral programs)
- 30-35 students per year
- Now accepting applications
 - ✪ Any graduate school, any major
 - ✪ Those seeking a doctoral degree
 - ✪ Master (1st and 2nd year), Doctor (1st and 2nd year)
 - ✪ See website for details

<https://cfs.t.u-tokyo.ac.jp/guidelines.html>
- Doctoral program also works with SPRING-GX



Cross-disciplinary climate change research and climate and social co-evolution research to solve global climate problems

background

- The issue of climate change has long been **a complex global challenge that goes** beyond the natural sciences and spans engineering, the humanities and social sciences.
- Although **there are many world-class researchers in related fields within the university**, there is **insufficient cooperation among departments and researchers**

Purpose of Establishment

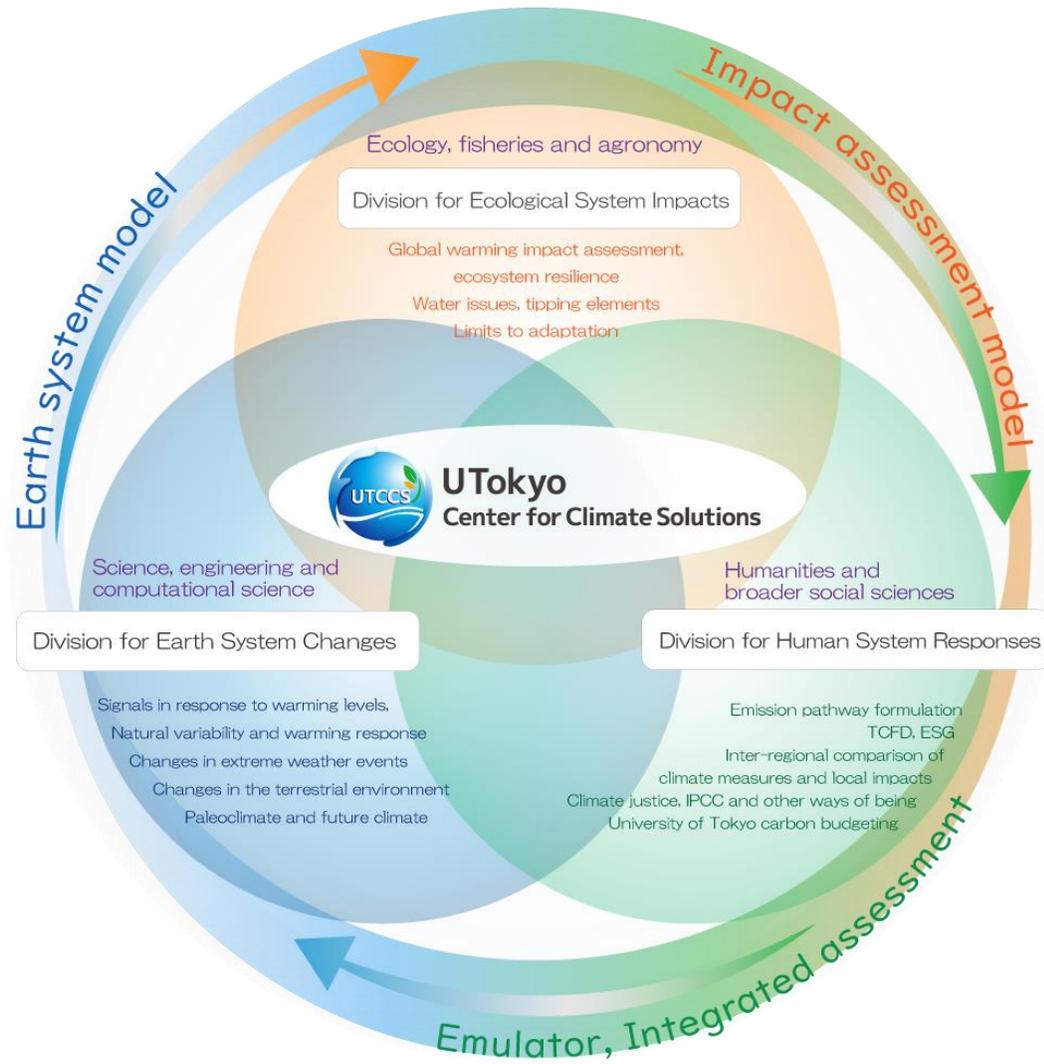
- Conducting research activities based on scientific evidence to **explore how society can overcome the problem of climate change.**
- **Formation of a center that brings together the university's academic knowledge across disciplines**
- **Establishing an international center where the next generation of researchers can work in the world by** making full use of their individual international networks
- **Cooperating with the University of Tokyo's GX promotion to educate young people with a broad perspective**

Expected Results

- Providing scientific evidence of Earth system change
- Carbon budget estimation
- Creation of "Climate and Society" science
- Climate change impacts on agriculture, fisheries, ecosystem services, health, etc. and adaptation limits
- Climate justice and other public policy theories, sustainable social design, etc.

Organization

- Director: Prof. Taikan Oki (Graduate School of Engineering)
- Main organization: Atmosphere and Ocean Research Institute
- Participating departments: Graduate School of Engineering, Graduate School of Science, Graduate School of Arts and Sciences, Graduate School of Frontier Sciences, School of Public Policy, Institute for Advanced Studies on Asia, Institute of Industrial Science, Research Center for Advanced Science and Technology, Institute for Future Initiatives, Graduate School of Agricultural and Life Sciences, Graduate School of Medicine
- External collaborating organizations (planned): Japan Agency for Marine-Earth Science and Technology, JAXA, National Institute for Environmental Studies, Kyoto University, etc.





From now on

- 💧 There are many studies that are academically excellent, challenging, and contribute to society.
- 💧 Let's equip ourselves with the ability to identify issues.
- 💧 Let's learn how to doubt the basic premise.
- 💧 Try to solve a problem for which no one knows the answer or there is a solution.

- 💧 There are some disciplines that aren't learned until high school.
- 💧 Anthropocene Science
 - ❄️ Real nature \neq pristine nature
 - ❄️ Interaction between human society and the natural environment
 - ❄️ Abstract/General, Concrete/specific events



Live as if you were to die tomorrow.
Learn as if you were to live forever.
(Mohandas Karamchand Gandhi, 1869-1948)

**Acquire "Intellectual
Basic Fitness" for a
good life**

