



GSEP Orientation for the new students

**Department of Transdisciplinary
Science and Engineering**

April 4, 2023

GSEP Chair & Professor
Naoya Abe, Ph.D. (nabe@ide.titech.ac.jp)

Welcome to Tokyo Tech!

Welcome to GSEP!

Contents



1. Overview

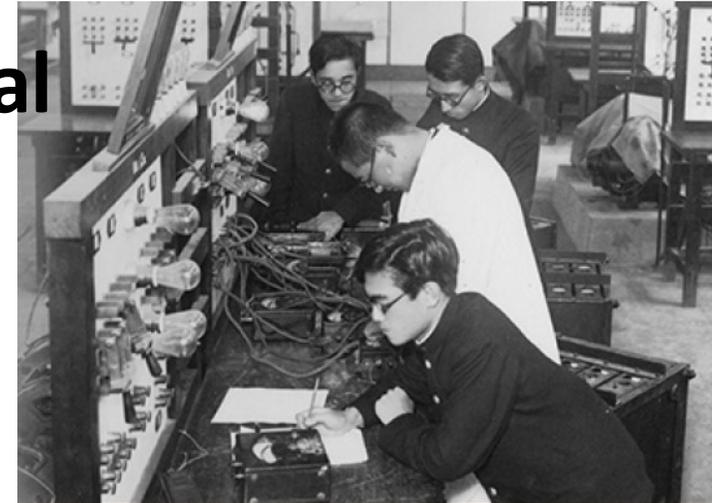
2. Education

3. Research

4. International Students

5. GSEP

More than 140 Years of Technical Innovation, what we call “*Monotsukuri*” in Japanese



Department of Electric Engineering (1941)

- 1881 Founded as Tokyo Vocational School by the Japanese Government
- 1929 Elevated to a degree conferring university as **Tokyo Institute of Technology**
- 2004 Reestablished as an independent administrative institution under the name National University Corporation Tokyo Institute of Technology
- 2018 Received status of Designated National University (one of 9 universities)
- 2024 (?) Will become **Institute of Science Tokyo**, after merger with Tokyo Medical and Dental University



TSUBAME Supercomputer (2010-)

Overview



Ookayama Campus



Tamachi Campus



Suzukakedai Campus



Ookayama Campus Map

Some classrooms can be used as study rooms after class hours



Tokyo Institute of Technology Library Ookayama

As opening hours vary based on the time period, please refer to the "Library Calendar" on the library's home page for more detailed information regarding opening hours.

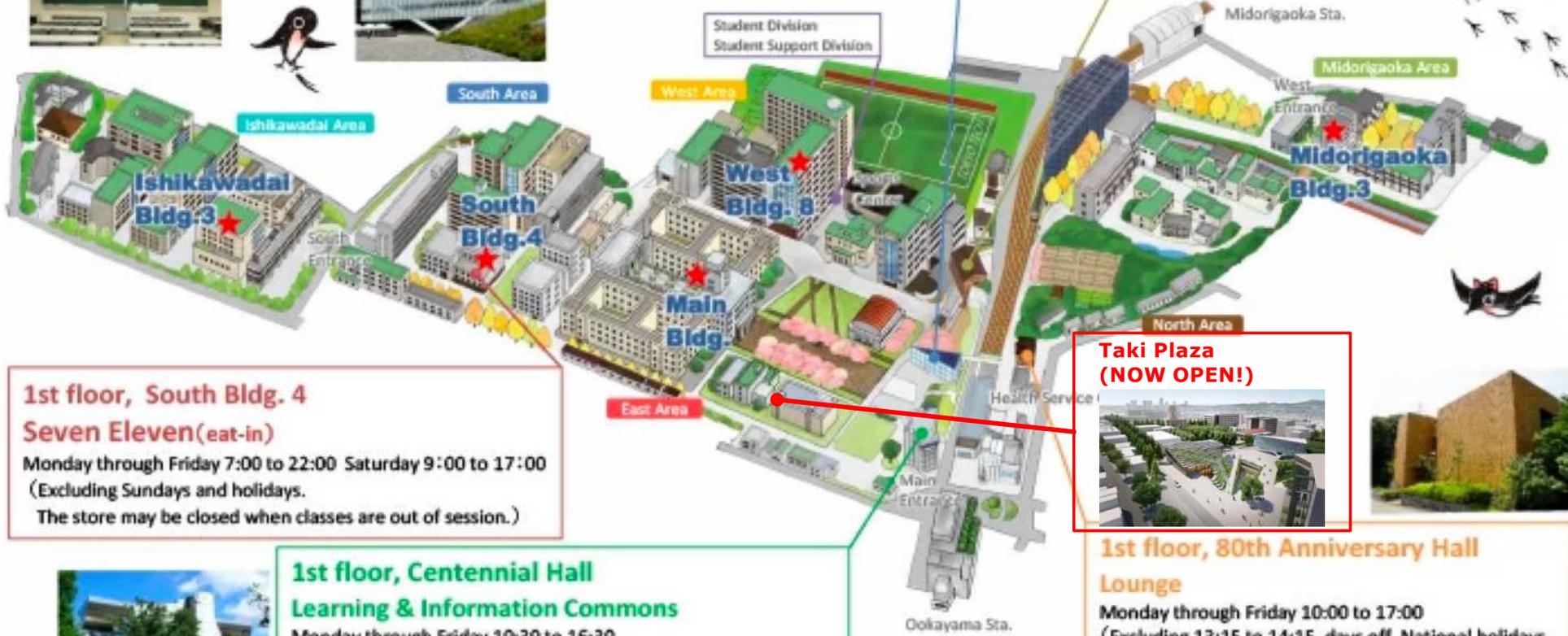
2nd floor, Student Hall (Cafeteria)

Communication lounge

9:00 to 20:00

(Excluding Saturdays, Sundays and holidays)

※Food & Drinks allowed/No reservations required.
Reservations are required in order to use the premises for things like special events.



1st floor, South Bldg. 4 Seven Eleven (eat-in)

Monday through Friday 7:00 to 22:00 Saturday 9:00 to 17:00
(Excluding Sundays and holidays.)
The store may be closed when classes are out of session.)

Taki Plaza (NOW OPEN!)



1st floor, 80th Anniversary Hall Lounge

Monday through Friday 10:00 to 17:00
(Excluding 13:15 to 14:15, days off, National holidays, New Year's holidays, etc.)
※Food & Drinks allowed/No reservations required.
Reservations are required in order to use the premises for things like special events.

1st floor, Centennial Hall Learning & Information Commons

Monday through Friday 10:30 to 16:30
(Excluding days off, National holidays, New Year's holidays, etc.)
With air conditioner renovation work, from June 12, 2017
It is scheduled to close until the end of June 2018.



※Opening hours and rules of use vary between facilities. Also, please understand there may be times when use for things like special events is not possible.

Ranking

QS World University Ranking 2021

37th

Electrical
&
Electronic

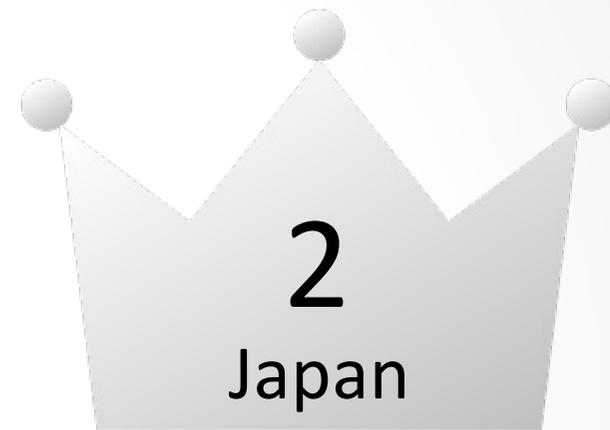
56th

Overall

28th

Engineering &
Technology

Ranking



Ranked **24th** in the world and **2nd** in Japan
in **the Best universities for graduate jobs:**

Global University Employability Ranking 2021
by Times Higher Education.

Novel Prize Awardees

2016 Nobel Prize in Physiology or Medicine



Yoshinori Ohsumi

Honorary Professor
Physiology or Medicine

“for his discoveries of
mechanisms for autophagy”

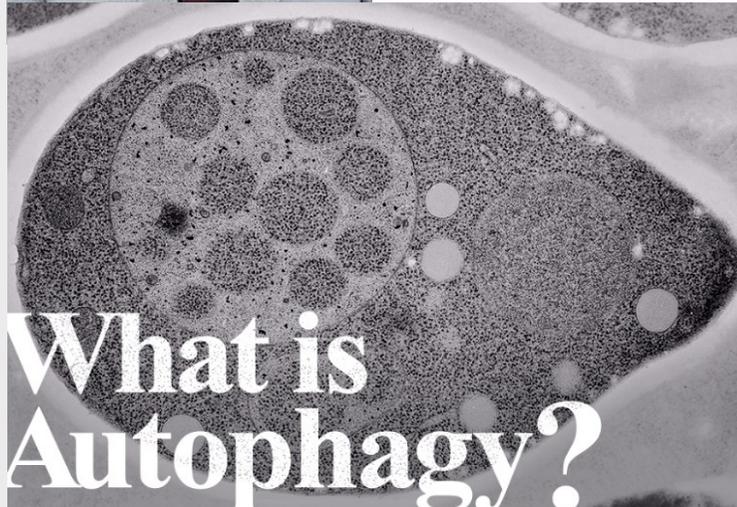


Hideki Shirakawa

Chemical Engineering

“for the discovery and
development of
conductive polymers”

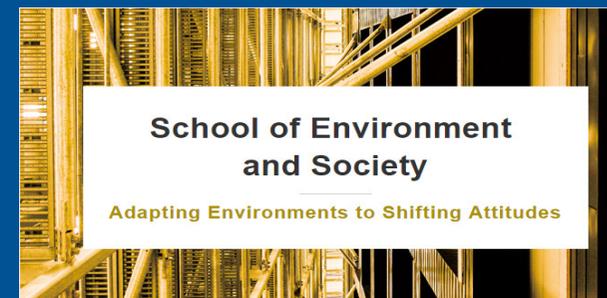
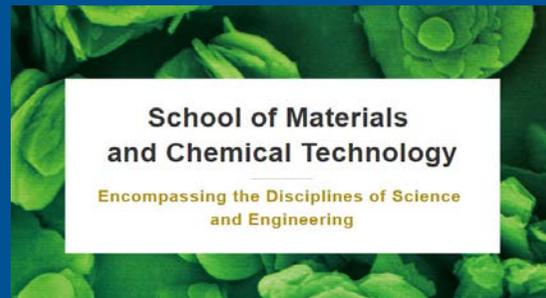
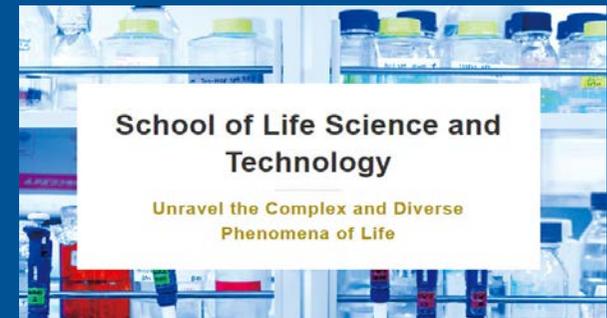
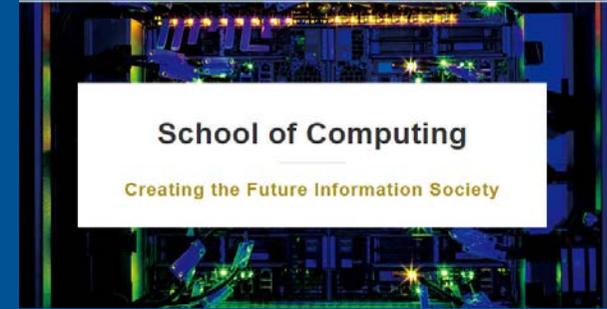
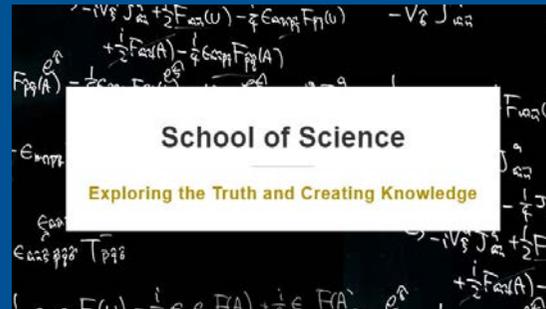
Dr. Shirakawa, who learned the basics of chemistry at the Institute, succeeded in synthesizing polyacetylene films for the first time in history at a laboratory in the Main Building on Ookayama Campus, which is still in use today.



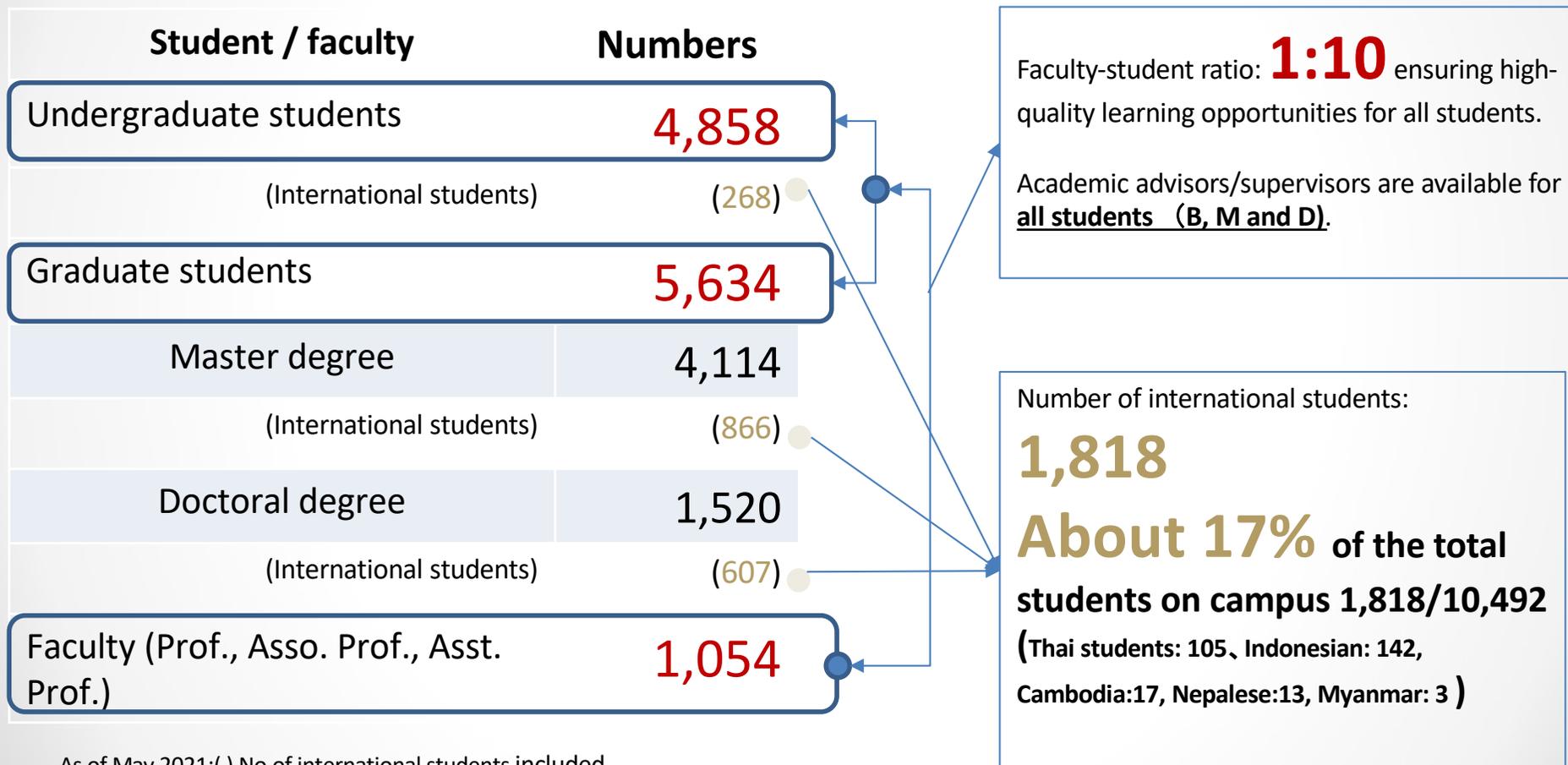
2000 Nobel Prize in Chemistry

Organization

**6 Schools,
19 Departments and
1 Professional Master's
Degree Program (MOT)
+
Institute for Liberal Arts**



Composition



As of May 2021:() No.of international students included

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1. Overview

2. Education system

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Education system

Prior System

Undergraduate

3 Schools 23 Departments

School of Science

School of Engineering

School of Bioscience
and Biotechnology

Discontinuity in curricula

Graduate

6 Schools 45 Departments

Graduate School of Science and
Engineering

Graduate School of Bioscience
and Biotechnology

Interdisciplinary Graduate School of
Science and Engineering

Graduate School of Information
Science and Engineering

Graduate School of Decision
Science and Technology

Graduation School of Innovation
Management

Current System since April 2016

6 Schools, 19 Departments &
a professional master's degree program

Science

Mathematics / Physics / Chemistry / Earth and
Planetary Sciences

Engineering

Mechanical Engineering / Systems and Control
Engineering / Electrical and Electronic Engineering /
Information and Communications Engineering /
Industrial Engineering and Economics

Materials and Chemical Technology

Materials Science and Engineering / Chemical
Science and Engineering

Computing

Mathematical and Computing Science / Computer
Science

Life Science and Technology

Life Science and Technology

Environment and Society

Architecture and Building Engineering / Civil and
Environmental Engineering / Transdisciplinary
Science and Engineering / Social and Human
Sciences / Innovation Science / Technology and
Innovation Management (professional master's
degree program)

Institute
for Liberal
Arts

Schools, Departments and Undergraduate and Graduate Majors



Schools	Departments	Undergraduate Majors (B)	Graduate majors (M & D)
Science	Mathematics	•	•
	Physics	•	•
	Chemistry	•	•
	Earth and Planetary Sciences	•	•
Engineering	Mechanical Engineering		
	Systems and Control Engineering		
	Electrical and Electronic Engineering	•	•
	Information and Communications Engineering	•	•
	Industrial Engineering and Economics	•	•
Materials and Chemical Technology	Materials Science and Engineering	•	•
	Chemical Science and Engineering	•	•
Computing	Mathematical and Computing Sciences	•	•
	Computer Science	•	•
Life Science and Technology	Life Science and Technology	•	•
Environment and Society	Architecture and Building Engineering	•	•
	Civil and Environmental Engineering	•	•
	Transdisciplinary Science and Engineering	•	•
Institute for Liberal Arts	Social and Human Sciences		
	Innovation Science		
	Technology and Innovation Management		
Institute for Liberal Arts		Liberal arts courses taken throughout each program	

First year students gain core knowledge independent of the schools

Global Engineering for D, E and S (GEDES)

TSE department has one primary graduate major (GEDES) and other three interdisciplinary majors (ESD, Energy, Nuclear)

GSEP students belong to TSE department

- Major offered exclusively by department •
- Human Centered Science and Biomedical Engineering •
- Energy Science and Technology •
- Engineering Sciences and Design •
- Nuclear Engineering •
- Artificial Intelligence •
- Urban Design and Built Environment •

Revitalizing curricula

Old Curriculum

[School Year]



Current Curriculum

[Course Numbering]



Graduate courses are provided in English

Students can take both bachelor's (200-399) and master's (400-599) courses

Set 100-level courses, such as math, physics and chemistry, as general Institute requirements

More in-depth liberal arts education

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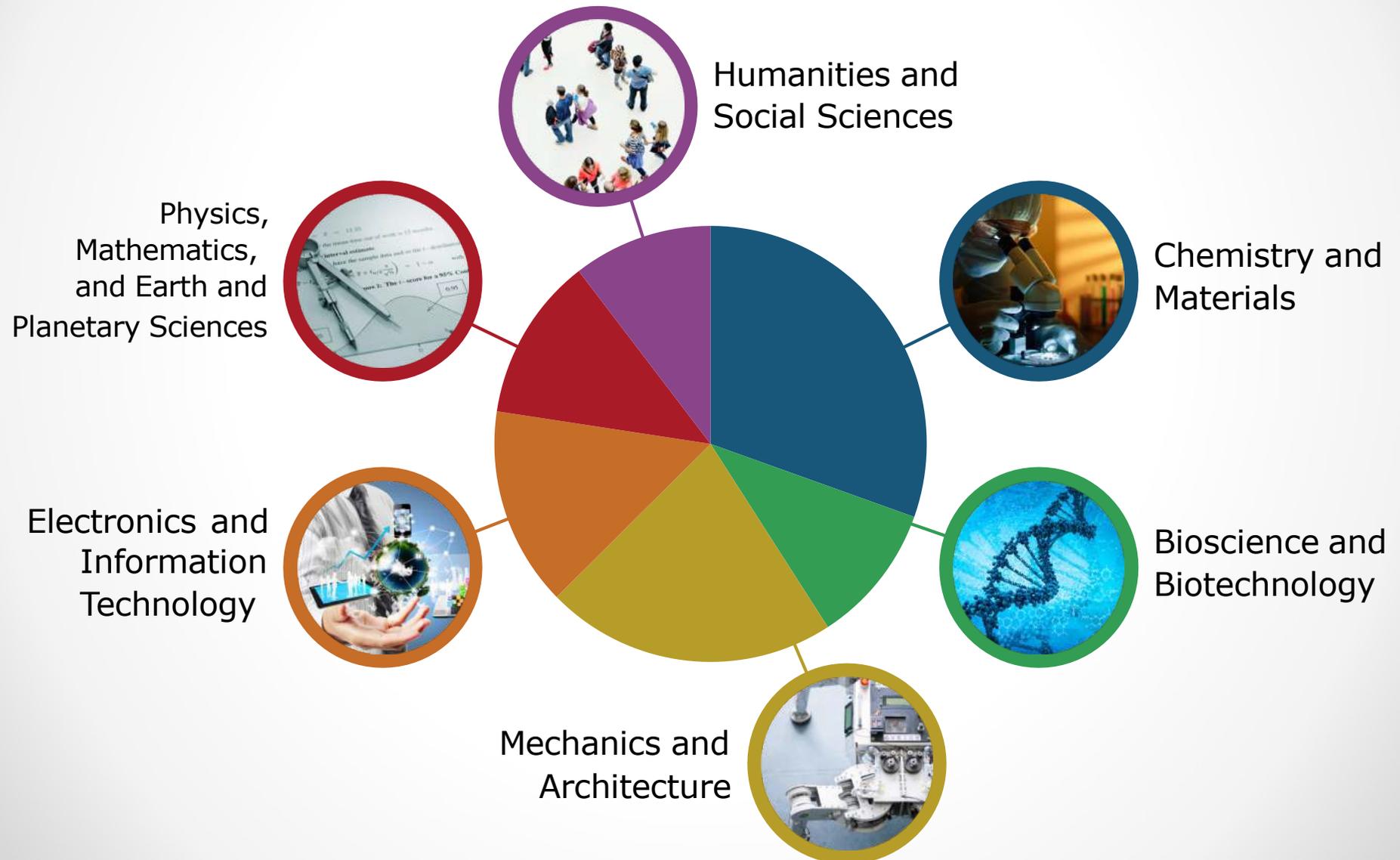
4. International Students

5. GSEP

Research Areas

(of the 1,110 Faculty Members)

(In general, Professors and Asso.Professors lead their group (lab.).)



Recent Research Awards



2016 Nobel Prize in Physiology or Medicine



Yoshinori Ohsumi

Honorary Professor
Physiology or Medicine

“for his discoveries of
mechanisms for autophagy”

2013 Thomson Reuters Citation Laureate



Hideo Hosono

Honorary Professor, Physics
for “his discovery of **iron-based superconductors**”

6,235 citations, as of February 25, 2016.
JACS, 2008, 130 (11), 3296.
Iron-Based Layered Superconductor $\text{La}[\text{O}_{1-x}\text{F}_x]\text{FeAs}$ ($x = 0.05\text{--}0.12$) with $T_c = 26$ K

Japan Prize

2000 Nobel Prize in Chemistry



Hideki Shirakawa

Chemical Engineering

“for the discovery and
development of
conductive polymers”



Gairdner Intl. Award

Yoshinori Ohsumi

Honorary Professor

International Prize for Biology

Kyoto Prize

Thomson Reuters Citation Laureate

Person of Cultural Merit, Japan

for “**pioneering the molecular elucidation of autophagy**, an essential intracellular, degradation system and when disordered, is linked to many diseases including neurodegeneration, cancer, and infection” (2015)



Order of Culture, Japan Prize

Yasuharu Suematsu

Honorary Professor

for “pioneering research on **semiconductor lasers** for high-capacity long-distance optical fiber communication” (2014)



Benjamin Franklin Medal

Kenichi Iga

Professor Emeritus

for “the conception and development of the vertical cavity **surface emitting laser** and its multiple applications to optoelectronics” (2013)

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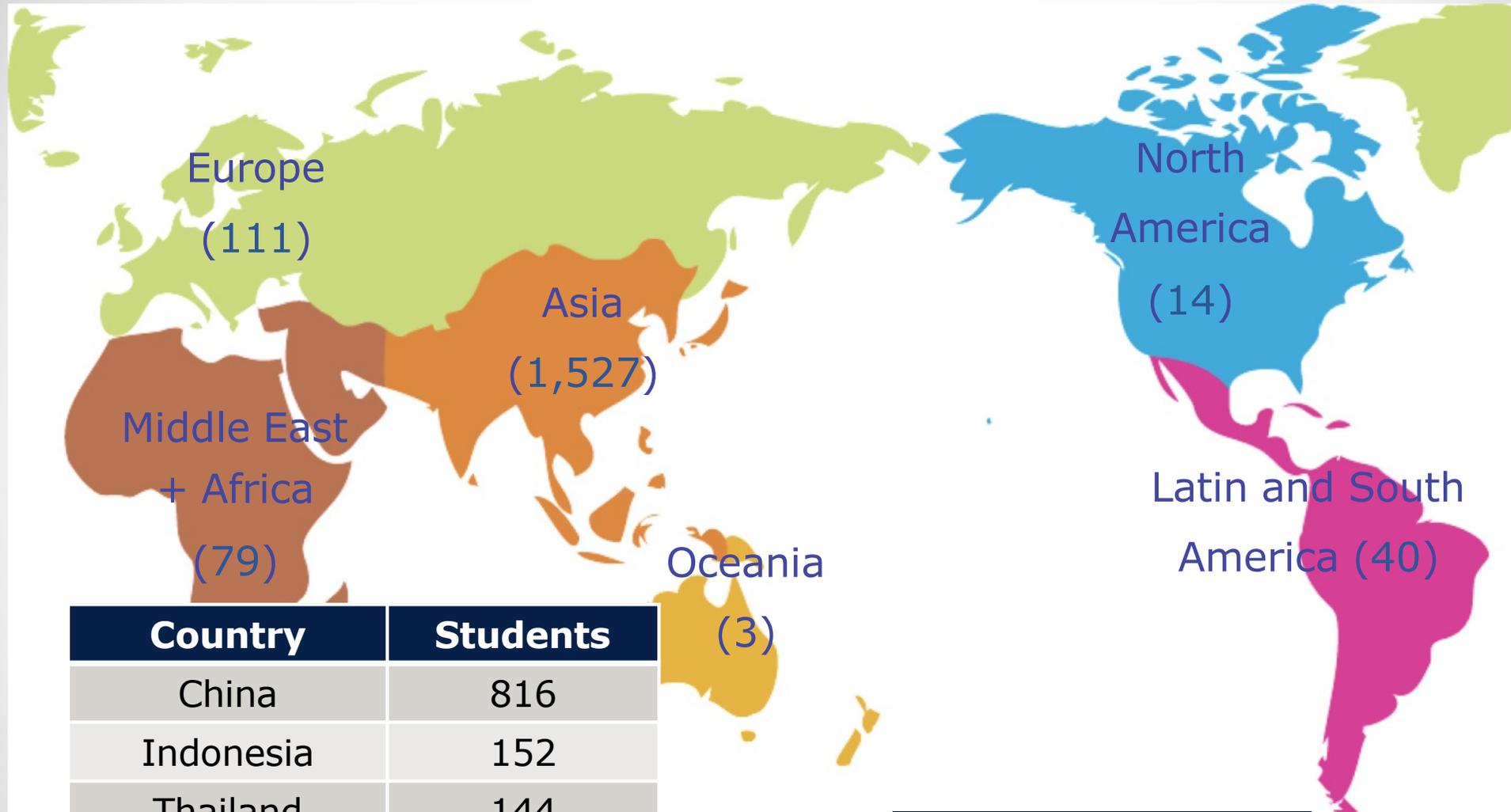
Hisao & Hiroko Taki Plaza

The new landmark on O-okayama as the center of international exchange

chief architect - Kengo Kuma



International Students



Country	Students
China	816
Indonesia	152
Thailand	144
Korea	135
Vietnam	46

Total 1,774
(ca. 17.1 %)
As of May 1, 2019

Tokyo Tech International Network

Tokyo Tech ANNEX Bangkok



Tokyo Tech ANNEX Bangkok was established in March 2018. Promoting Tokyo Tech's collaborations in Thailand and in the ASEAN region overall, the ANNEX is located on the campus of the National Science and Technology Development Agency, Thailand.

Tokyo Tech ANNEX Aachen



Tokyo Tech ANNEX Aachen was launched in March 2019. Intended to advance Tokyo Tech's collaborations in Europe, the ANNEX is located on the campus of RWTH Aachen University, Germany.

Tokyo Tech ANNEX Berkeley



Tokyo Tech ANNEX Berkeley opened in October 2021. Intended to drive Tokyo Tech's education and research activities in North America, the third Tokyo Tech ANNEX is located within JSPS San Francisco in Berkeley, California.

Overseas Offices

Tokyo Tech's three Overseas Offices in the Philippines, China, and Egypt support the Institute's academic exchanges and cooperation with universities and research institutions in Asia and the Middle East.

Tokyo Tech Philippines Office



Tokyo Tech Philippines Office supports student exchanges, including short-term visit and language programs, and implements the Institute's public relations activities.

Tokyo Tech China Office



Tokyo Tech China Office provides support for the Tokyo Tech-Tsinghua University Joint Graduate Program and publicizes the education and research activities of Tokyo Institute of Technology.

Tokyo Tech Egypt E-JUST Office



Tokyo Tech Egypt E-JUST Office provides support for the development of Egypt-Japan University of Science and Technology (E-JUST).

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GSEP core faculty and staff



Core faculty members

- Jun-ichi Takada (Dean of School of Environment and Society, Professor)
- Naoya Abe (GSEP Chair, Professor)
- Shinya Hanaoka (Vice GSEP Chair, Professor)
- Kunio Takahashi (Professor)
- Yoshihisa Matsumoto (Professor)
- Ryuichi Egashira (Associate Professor)
- Kazuaki Inaba (Associate Professor)
- Alvin Christopher Galang Varquez (Associate Professor)
- Takumi Ohasi (Associate Professor)
- Mehrdad SADEGHZADEH NAZARI (Specially Appointed Associate Professor (Lecturer))
- Sunkyung Choi (Specially Appointed Associate Professor (Lecturer))
- Sasipa Boonyubol (Specially Appointed Associate Professor (Lecturer))
- Farid Triawan (Visiting Associate Professor, Jakarta, Sampoerna University, Indonesia)

Staff

- Ms. Naoko Ono
- Ms. Eiko Masuda



GSEP
Program
Overview

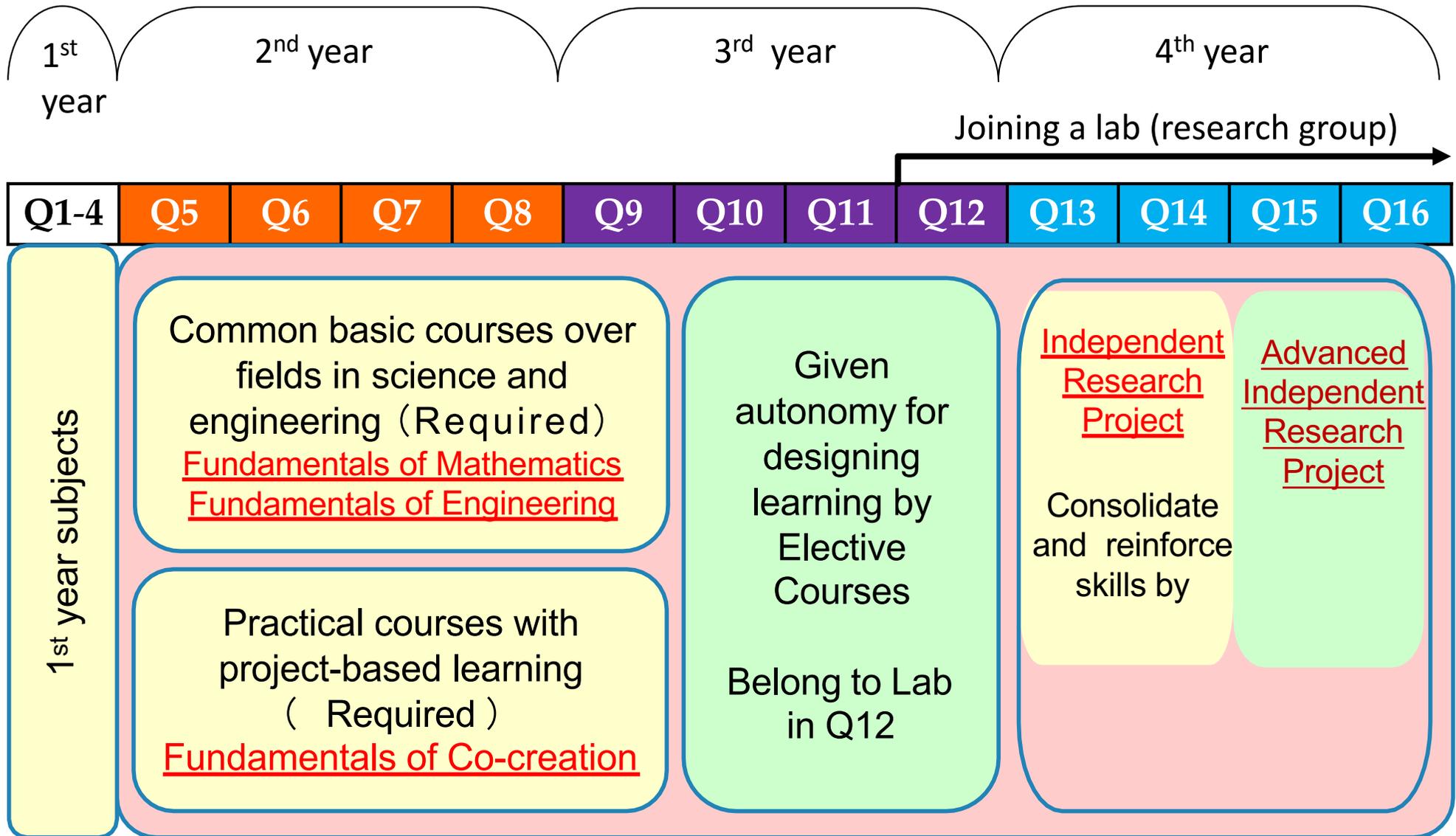


- GSEP students belong to the **Department of Transdisciplinary Science and Engineering (TSE)** which includes science, engineering, and management courses. GSEP is a transdisciplinary degree program not limited to any specific science or engineering field.
- GSEP students earn a degree of ***Bachelor of Engineering*** from *TSE Department* after they have completed all the units and course requirements in the undergraduate program.

TSE Dept. Website : <http://educ.titech.ac.jp/tse/eng/>



TSE Curriculum (Undergraduate)



カリキュラム構成

COURSE STRUCTURE

1年目は、2年目以降の学びの土台となる数学・物理分野の基礎知識を、100番台の科目の履修を通して修得します。2年目～3年目は、200番台～300番台の科目の履修を通し、分野横断的なエンジニア・科学者に必要な能力・技能を修得します。300番台には、コラボレーション分野の実務能力の修得に役立つPBL（課題解決型学習）分野の科目も複数含まれています。

最終学年では、「学士特定課題研究」及び「学士特定課題プロジェクト」を、学士課程の総括として行います。学生は本研究を通し、個々の知識・関心を深めることができます。

This course is based on a fundamental knowledge of mathematics and physics, which are studied through the 100-level courses during the first year. In the second and third years, 200- and 300-level courses train students to be interdisciplinary engineers and scientists. Students will learn practical collaboration through Project Based Learning (PBL). Relevant subjects will be studied as part of the 300-level courses.

The final year is a summary of the undergraduate course, and students will conduct Bachelor Special Studies Research and a Bachelor-specific Project. This is designed to further the knowledge and interests of the students.

100番台 | 100-Level

200番台 | 200-Level

300番台 | 300-Level

線形代数学第一
Linear Algebra I

線形代数学演習第一
Linear Algebra Recitation

微分積分学第一
Calculus I

微分積分学演習第一
Calculus Recitation I

力学基礎 1・2
Fundamentals of Mechanics 1 / 2

電磁気学基礎 1・2
Fundamentals of Electromagnetism 1 / 2

量子化学基礎
Basic Quantum Chemistry

無機化学基礎
Basic Inorganic Chemistry

有機化学基礎
Basic Organic Chemistry

化学熱力学基礎
Basic Chemical Thermodynamics

生命化学基礎第一 1・2
Fundamentals of Life Science 1 / 2

類専門科目 1～4
School type subjects

数理基盤群 FUNDAMENTALS OF MATHEMATICS

常微分方程式と物理現象
Ordinary Differential Equations and Physical Phenomena

偏微分方程式と物理現象
Partial Differential Equations for Science and Engineering

線形システム論
Theory of Linear Systems

統計とデータ解析
Statistics and Data Analysis

工学基盤群 FUNDAMENTALS OF ENGINEERING

材料・物性工学基礎
Material and Molecular Engineering

固体・構造力学基礎
Solid Mechanics and Structural Engineering

電気・磁気工学基礎
Electrical Engineering

熱力学基礎
Engineering Thermodynamics

流体工学基礎
Fluid Engineering

生物工学基礎
Biological Engineering

工学計測基礎
Engineering Measurement

融合理工学実験A
Transdisciplinary Engineering Experiments A

融合理工学実験B
Transdisciplinary Engineering Experiments B

共創基盤群 FUNDAMENTALS OF CO-CREATION

融合理工学基礎
Introduction to Transdisciplinary Science and Engineering

システムデザインプロジェクト
System Design Project

融合デザインプロジェクト
Transdisciplinary Design Project

システムデザイン&アセスメント
System Design & Impact Assessment

プロジェクトマネジメント
Project Management



専門科目群

ELECTIVE COURSES

融合理工学とデータサイエンス(I) Data Science for Transdisciplinary Research (I)
融合理工学とデータサイエンス(II) Data Science for Transdisciplinary Research (II)
プログラミングと数値解析基礎 Programming and Numerical Analysis
プログラミングと数値解析応用 Applied Programming and Numerical Analysis
通信とネットワーク Communications and Networks
電磁気学 (融合理工) Electromagnetics (TSE)
環境流体力学基礎 Basis of Environmental Hydrodynamics
防災工学基礎 Introduction to Natural Disaster Science and Engineering
剛体の運動力学 Rigid Body Dynamics
強度の力学 Mechanics of Strength
操作論 Unit Operations
工業化学 Industrial Chemistry
実用材料の冶金学基礎 Introduction to Metallurgy of Engineering Materials
原子核工学概論 Introduction to Nuclear Engineering
原子核工学基礎 第1～第4 Basic Nuclear Engineering 1-4
社会環境政策概論 Introduction to Environmental Policy and Social Systems
水・物質循環システム概論 Introduction to Water and Mass Transport in the Environment
気象学基礎 Introduction to Meteorology

地球・地域生態学概論 Introduction to Global and Local Ecology
地域・地球環境概論 第1&第2 Basic Theory of Regional and Global Environment 1 and 2
国際開発共創概論 Introduction to International Development
開発経済学入門 Introduction to Development Economics
融合技術論 Methodology of Transdisciplinary Research: Theory and Practice
エンジニアリングデザイン概論 Introduction to Design Engineering
国際エンジニアリングデザインプロジェクト基礎F&S International Engineering Design Experience (Fall Semester and Spring Semester)
エンジニアリングデザインと技術経営基礎 Introduction to Engineering Design and Management of Technology
エネルギーシステム設計基礎論 Foundations of Energy Systems Design
資源・エネルギー工学概論 Theory of Resource and Energy Engineering
エネルギーと環境 (融合理工) Energy and Environment (TSE)
特定課題研究・特定課題研究プロジェクト など RESEARCH OPPORTUNITIES AT LABORATORIES, INDEPENDENT RESEARCH PROJECTS, INTERNSHIPS, ETC.
研究プロジェクト (融合理工学系) Research Opportunities at Laboratories (TSE)
学士特定課題研究 (融合理工学系) Independent Research Project (TSE)
学士特定課題プロジェクト (融合理工学系) Advanced Independent Research Project (TSE)
国際プロジェクト演習 Exercises in International Development Engineering
融合理工学海外研修 International Training in Transdisciplinary Science and Engineering
融合理工学インターンシップ Transdisciplinary Science and Engineering Internship

TSE Curriculum

GSEP students follows the TSE curriculum. Many of the core courses will be conducted through project- based learning (PBL) or hands-on formats covering various fields of science and engineering.

From the second half (specifically from 4Q) of their 3rd year, GSEP students join a laboratory (research group).

Examples of research fields (not limited to): Chemical Eng., Mechanical Eng., Civil Eng., Electronic and Communication Eng., Nuclear Eng., Environmental Policy, Translation Studies, International Development, Applied Linguistics, etc.

Required Credits for Undergraduate major in TSE

Courses	Eligibility to engage in independent research project	Eligibility for graduation
Humanities and social science courses	9 credits	13 credits
Basic science and technology courses	14 credits	14 credits
English language courses	6 credits	9 credits
Second foreign language courses	2 credits	4 credits
Research-related courses of TSE	2 credits	12 Credits
	<i>Research Opportunity in Laboratories (2 credits)</i>	<i>Research Opportunity in Laboratories (2 credits)</i>
		<i>Independent Research Project (4 credits)</i>
		<i>Advanced Independent Research Project (6 credits)</i>
Common requirements by Tokyo Tech		
Required courses (credits), designated by each undergraduate major	Determined for each study program (For TSE, refer to the Study Guide)	Determined for each study program (For TSE, refer to the Study Guide)
TOTAL	110 or more credits	128 units or more to graduate

Please check the following pdf for HSS and language courses.

<https://www.titech.ac.jp/english/student/pdf/20b.pdf>

Agreement	Credits acquired by students	→ Can be counted toward the credit requirements for the courses below
1.1	Humanities and Social Science Courses (200-level restricted electives)	→ Humanities and Social Science Courses (100-level restricted electives)
1.2	Humanities and Social Science Courses (300-level restricted electives) (A)	→ Humanities and Social Science Courses (100- or 200-level restricted electives) (B)
1.3	English Language Courses (200- or 300-level electives) (courses other than “English 1” to “English 9”)	→ Second Foreign Language Courses (restricted electives)
1.4	Japanese Language and Culture Courses (up to 3 credits) (up to 3 out of the following 4 courses: “Japanese Culture: Adaptation,” “Japanese Culture: Society,” “Japanese Culture: Arts,” and “Japanese Culture: Japanology”)	→ Humanities and Social Science Courses (100- or 200-level restricted electives) (C)
1.4	Japanese Language and Culture Courses (9 credits) (In principle, the following 9 courses: “Japanese 1 GSEP” to “Japanese 9 GSEP”; For students who enrolled in 2016, “Survival Japanese 101, 102” and “Introduction to Japanese 2A, 2B” are deemed equivalent to “Japanese 1A, 1B, 2A, 2B.”)	→ English Language Courses (required courses) (9 credits) (9 courses: from “English 1” to “English 9”)
1.5	Global Awareness and Other Breadth Courses (2 specific courses)	→ Humanities and Social Science Courses (100-level restricted electives)

Notes for
section 1

International students may use up to 12 credits acquired from Japanese Language and Culture Courses to fulfill the requirements for Humanities and Social Science Courses. For consistency with that rule, regarding credits that can be counted toward the credit requirements for Humanities and Social Science Courses (100- or 200-level restricted electives) under agreement 1.4, GSEP students may use up to 3 credits (9 credits for English Language Courses subtracted from the 12 credits) to fulfill the same requirements. (C)

Notes for
section 2

For example, when a student attains 300-level course credits from Humanities and Social Science Courses (200- and 300-level restricted electives) as stipulated in (A) and uses those credits to fulfill the requirements stipulated in (B), the student may not use those credits to fulfill the requirements for 300-level restricted electives .

Requirements for engaging in Independent Research Project (IRP)

In addition to the common requirements of Tokyo Tech, the following conditions should be satisfied.

1. **28 credits** of required subjects (◎) in the list of the subjects in the Department of TSE should be obtained.
2. **2 credits** by taking “Research Opportunity in Laboratories”
3. **44 credits, including 28 credits** of required subjects (◎) , in the major course in the list of the subjects in the Department of TSE should be obtained.
4. In total, a student should obtain **110 credits**, including 44 credits above.

Requirements for graduation in the Department of TSE

In addition to [the common requirements of Tokyo Tech](#), the following conditions should be satisfied.

1. All **30 credits** of required subjects (◎) in the list of the subjects in the Department of TSE should be obtained.
2. “Research Opportunity in Laboratories (2 credits)”, “Independent Research Project (4 credits)”, and “Advanced Independent Research Project (6 credits)” should be obtained.
3. **54 credits, including 30 credits** of required subjects (◎) , in the major course in the list of the subjects in the Department of TSE should be obtained.
4. **128 credits** should be obtained in total.

Required Liberal Arts course credits for GSEP

- Special arrangements have been set for GSEP students regarding liberal arts courses.
- Roughly speaking, GSEP students only need to concern whether a course is listed as in 200s or in 300s. Do not worry about the categories of liberal arts courses (three categories.)
- GSEP students take Japanese language course as a first foreign language courses. **ALL GSEP students are highly recommended to pass JLPT N2 by the time of their graduation.**
- Review the requirements and special arrangements through the link:
- <https://www.titech.ac.jp/english/student/pdf/20b.pdf>

GSEP Japanese Language and Culture Courses 2023

GSEP students must obtain the following 9 credits of Japanese language and culture courses to receive your bachelor's degree.

[Course list]

- 100-level (1st year), Beginner level
Japanese 1(1Q): Tuesday 14:20~ and Thursday 16:15~
Japanese 2(2Q), 3(3Q) and 4(4Q): Tuesday 14:20~ and Thursday 10:40~
- 200-level (2nd year), Pre-intermediate level
Japanese 5(1Q), 6(2Q), 7(3Q) and 8(4Q) : Wednesday 14:20~
- 300-level (3rd year)
Japanese 9(1-4Q)

Japanese Class Online System (JCOS) will open at noon on **Apr. 4.**

Please complete the following procedures by April 5th, Wednesday:

- 1) Make an account on Japanese Class Online System at
(<https://cuckoo.js.ila.titech.ac.jp/~yamagen/regist-h/>)
- 2) Take an online placement test at the following site
(<https://cuckoo.js.ila.titech.ac.jp/~yamagen/placement/>)
- 3) Please enter your test results into Google Forms
(<https://forms.gle/HojGnraDpekHe3uM9>)



GSEP student Orientation for Japanese language

Day and time: 13:30-14:10, Apr. 6 (Thu)

Place: West Bldg.1, Ookayama campu

Research Ethics Education

The targets of education on research ethic are the following four items:
(1) academic integrity, (2) responsibility as a researcher, (3) responsible conduct of research, (4) legal compliance.

- Level 1 : 1st year to 3rd year in bachelor's program (before starting Independent Research Project (IRP))
- Level 2 : 4th year in bachelor's program (from the start of IRP) to master's program
- Level 3 : Doctoral program

Liberal Arts Courses

◎Tokyo Tech Visionary Project (LAH.C101)

○Ethics in Engineering A/B/C (LAH.T105, T206, T305)

○Frontiers of Science and Technology (LAS.F101)

Major course group

○Processes for Creation in Science and Technology

【School of Environment and Society】 (XES.P101)

○School of Environment and Society Academic Group Literacy (XES.A101)

◎Research Opportunities at Laboratories (TSE.Z381)

◎Independent Research Project (TSE.Z389)

NO worry about the requirements for Level 1 as long as you take the "visionary project" and "Intro. to TSE" in the second year. But you must understand the importance of research ethics. Simply, please do not "copy and paste".

◎ - Required courses

○ - Electives

Research Ethics Education

Online learning

Following on-line courses are also recommended:

0SPOC 「Tokyo Tech Science, Engineering, AI & Data Ethics : Level 1-2

<https://edge.edx.org/courses/coursev1:TokyoTechX+2020TT-ethics+2020Q1/about>

0eL CoRE (JSPS) Level 1-2 (Research ethics education materials)

<https://www.jsps.go.jp/j-kousei/rinri.html>

Academic Advisors (AA)

Students are assigned academic (primary and secondary) advisors to oversee their academic affairs in the department

Academic Advisors for GSEP Batch 2023

Student names	Primary Academic Advsiors		Secondary Academic Advisors	
	Names	e-mail address	Names	E-mail address
BAEK EUBIN	Shinya Hanaoka	hanaoka.s.aa@	Boonyubol Sacipa	boonyubol.s.aa@
NARARYA DZAKWAN FARRELL				
WAIWATTANA JINNA				
DANG BINH HOANG	Kunio Takahashi	takahashi.k.aq@	Alvin Varquez	varquez.a.aa@
SAKDAPIPANICH NATDANAI				
JEONG JIWOON				
SANTIGAN TANAPHUM	Yoshihisa Matsumoto	matsumoto.y.ac@	Mehrdad Nazari	mehrdad.aa@
KAUR PAVIT				
SOOD SHAMBHAVA				
KEERATISIWAKUL KUMKAB	Ryuichi Egashira	egashira.r.aa@	Choi Sunkyung	choi.s.ae@
TRUONG ALBERT PHUOC KIEN				

Health and mental well-being

(including COVID-19 related Updates and health related announcement for Tokyo Tech Students)

Keeping good health and mental well-being is important for your study.

Keep in close communication with your academic advisors and GSEP faculty.

Check the links below for the latest information from the university:

- <https://www.titech.ac.jp/english/students/health>
- <https://www.titech.ac.jp/english/enrolled/health/coronavirus.html>

Online Bulletin

TSE department on-campus website

<http://www.tse.ens.titech.ac.jp/en/>

(Note: GSEP students are automatically the TSE department students from the second year.)

For GSEP students

<http://www.tse.ens.titech.ac.jp/en/tag/gsep-undergraduate/>

GSEP Mailing List and Group Messaging (Slack)

The ML for your batch will be created accordingly.

Please also join GSEP slack channel for all current GSEP students, faculty and staff after your Tokyo Tech e-mail account is activated.

Slack channel is used for sharing event announcements, urgent instructions and/or casual purposes etc.

Lecture schedule in 2023

First Quarter Classes: April 8-May 31, June 3

- Lectures for Q1 will be held in principle face-to-face basis.
- April 5 - April 21: course registration for 1Q and 2Q via Tokyo Tech Portal
- June 1 – June 10: Quarter-end exams and makeup classes for 1Q
- <Caution!> May 8: Thursday classes, May 9: Friday classes, May 20: No classes due to Homecoming Day, May 26: Classes will be held despite Foundation Day

Second Quarter Classes: June 12-July 31

- August 1-9: quarter-end exams and makeup classes for 2Q

Summer break: August 10 - September 26

Check the following page for the detailed

<https://www.titech.ac.jp/english/student/students/life/schedules>

Lecture schedule in 2023 (continued)

Third Quarter Classes: October 2 - November 21,24,25,27

Fourth Quarter Classes: December 5-26

- Winter break: December 27-January 3, 2024
- Classes in 2024:January 4-February 1,3

Check the following page for the detailed

<https://www.titech.ac.jp/english/student/students/life/schedules>

GSEP 1st Year Timetable (1Q)

Enlistment procedure will be explained by assigned GSEP faculty to each students (separate session)

1st Quarter 2023 (For GSEP 1st Year Students)

(Last updated Mar 29, 2023)

Time		Mon	Tue	Wed	Thu	Fri	
8:50 9:40 10:30	1		Basic Inorganic Chemistry LAS.C101-09 Juhasz Gergely Miklos Face-to-face M-110 (H112) 1 credit		Linear Algebra I / Recitation [V] LAS.M102-07 Purkait Soma Face-to-face M-102 (H115) 2 credits	Fundamentals of Mechanics 1[I] LAS.P101-09 Webb Adrean Face-to-face M-B104 (H103) 1 credit	
	2						
10:45 11:35 12:25	3	Information Literacy I [EN(IL1)] LAS.J111-19 Bonnet Francois Face-to-face GSIC center 3F PC lab. 1 credit	Linear Algebra I / Recitation [V] LAS.M102-07 Purkait Soma Face-to-face M-102 (H115) 2 credits	Linear Algebra I / Recitation [V] LAS.M102-07 Purkait Soma Face-to-face M-102 (H115) 2 credits	Tokyo Tech Visionary Project [41] LAH.C101-41 Face-to-face I6-4F-404 (Commons) 2 credits	Fundamental Life Science 1-1 [K] LAS.B101-09 Takahashi Masayuki Face-to-face M-155 (H1104) 1 credit	
	4						
12:25 13:45	昼時間						
13:45 14:35 15:25	5	Tokyo Tech Visionary Project [41] LAH.C101-41 Face-to-face I6-4F-404 (Commons) 2 credits	Japanese 1 [GSEP] LAJ.J101-04 Komatsu Midori Face-to-Face W9-327 (W936) 1 credit	English Speech Seminar 9 LAE.E371 Kiyama Lorinda Face-to-Face M-B45 (H105) 1 credit	Frontiers of Science and Technology [b] LAS.F101-02 Face-to-face WL1-301 (W531) 1 credit (Japanese->English translation)		
	6						
15:40 16:30 17:20	7				Japanese 1 [GSEP] LAJ.J101-04 Komatsu Midori Face-to-Face W9-327 (W936) 1 credit	Exercises in Physics I[I] LAS.P105-09 Webb Adrean Face-to-face M-B101 (H102) 1 credit (for 1Q-2Q)	
	8						Physics Experiment I [Fr] LAS.P107-04 Introductory Physics Face-to-Face Laboratory (W2) 1 credit (for 1Q-2Q)
17:30 18:20 19:10	9						
	10						

Note

- * 1st year students are only allowed to take 100-level courses
- * However, GSEP 1st year students should take 200 and 300-level English courses
- * When choosing English courses, you should try to take the similar course in both 1Q and 2Q, or 3Q and 4Q
- * GSEP 1st year students are not allowed to take other English courses which are not shown in the timetable above

Course Registration Period

Wednesday, April 5, 2023 9 : 00 ~ Friday, April 21, 2023 13:00

Color Code

Basic Science & Tech. (Compulsory)

Basic Science & Tech.

English

Japanese

Humanities & Social Science

Breadth

GSEP 1st Year Timetable (2Q)

2nd Quarter 2023 (For GSEP 1st Year Students)

(Last updated Mar 29, 2023)

Time		Mon	Tue	Wed	Thu	Fri	Intensive
8:50 9:40 10:30	1		Basic Organic Chemistry LAS.C103-19 Juhasz Gergely Miklos Face-to-face M-110 (H112) 1 credit		Calculus I / Recitation [U] LAS.M101-13 Purkait Soma Face-to-face M-102 (H115) 2 credits	Fundamentals of Mechanics 2[I] LAS.P102-09 Webb Adrean Face-to-face M-B104 (H103) 1 credit	Economics A LAH.S116 Yang Qizhong On-demand 1 credit (Face-to-face)
	2						
10:45 11:35 12:25	3	Information Literacy II [EN(IL2)] LAS.I112-19 Bonnet Francois Face-to-face GSIC center 3F PC lab. 1 credit	Calculus I / Recitation [U] LAS.M101-13 Purkait Soma Face-to-face M-102 (H115) 2 credits	Calculus I / Recitation [U] LAS.M101-13 Purkait Soma Face-to-face M-102 (H115) 2 credits	Japanese 2 [GSEP] LAJ.J102-04 Komatsu Midori Face-to-face W9-202 (W922) 1 credit	Fundamental Life Science 1-2 [K] LAS.B102-09 Takahashi Masayuki Face-to-face W3-707 (W371) 1 credit	
	4						
12:25 13:45	休息時間						
13:45 14:35 15:25	5	Law (Civil Law) A LAH.S102 Kaneko Hironao Face-to-face W9-327 (W936) 1 credit	Special Lecture: Thinking and Learning through museums LAH.T112 Bektas Yakup Face-to-face M-107 (H113) 1 credit	Japanese 2 [GSEP] LAJ.J102-04 Komatsu Midori Face-to-face W9-202 (W922) 1 credit	English Speech Seminar 10 LAE.E372 Kiyama Lorinda Face-to-face M-B45 (H105) 1 credit	Oral Expression in English 6[8] LAE.E232-03 1 credit W351	
	6						
15:40 16:30 17:20	7					Exercises in Physics I[i] LAS.P105-09 Webb Adrean Face-to-face M-B101 (H102) 1 credit (for 1Q-2Q)	Physics Experiment I [Fr] LAS.P107-08 Face-to-Face Introductory Physics Laboratory (W2) 1 credit (for 1Q-2Q)
	8						
17:30 18:20 19:10	9						
	10						

Note

- * 1st year students are only allowed to take 100-level courses
- * However, GSEP 1st year students should take 200 and 300-level English courses
- * When choosing English courses, you should try to take the similar course in both 1Q and 2Q, or 3Q and 4Q
- * GSEP 1st year students are not allowed to take other English courses which are not shown in the timetable above

Course Registration Period

Wednesday, April 5, 2023 9:00 ~ Friday, April 21, 2023 13:00

Color Code

Basic Science & Tech. (Compulsory)
Basic Science & Tech.
English
Japanese
Humanities & Social Science
Breadth

Important notes

- Official announcement and information from Tokyo Tech and GSEP will be always sent to your Tokyo Tech e-mail address
- Important announcement and instructions will be sent to you via T2SCHOLA, the Tokyo Tech Learning Management System.
- T2SCHOLA is accessible after logging-in Tokyo Tech Portal

Extracurricular Activities

GSEP students can join different student clubs and circles in Tokyo Tech. Many countries have their own student associations in Tokyo Tech that can offer support to new incoming students from their own country.

TISA and **SAGE** are two of the most active international student associations in Tokyo Tech

Tokyo Tech International Student Association (TISA)



TISA is an organization dedicated to connecting all international students and working to enhance this multicultural experience at Tokyo Tech.

<https://www.titech.ac.jp/english/globalization/stories/tisa.html>

Student Association for Global Exchange (SAGE)

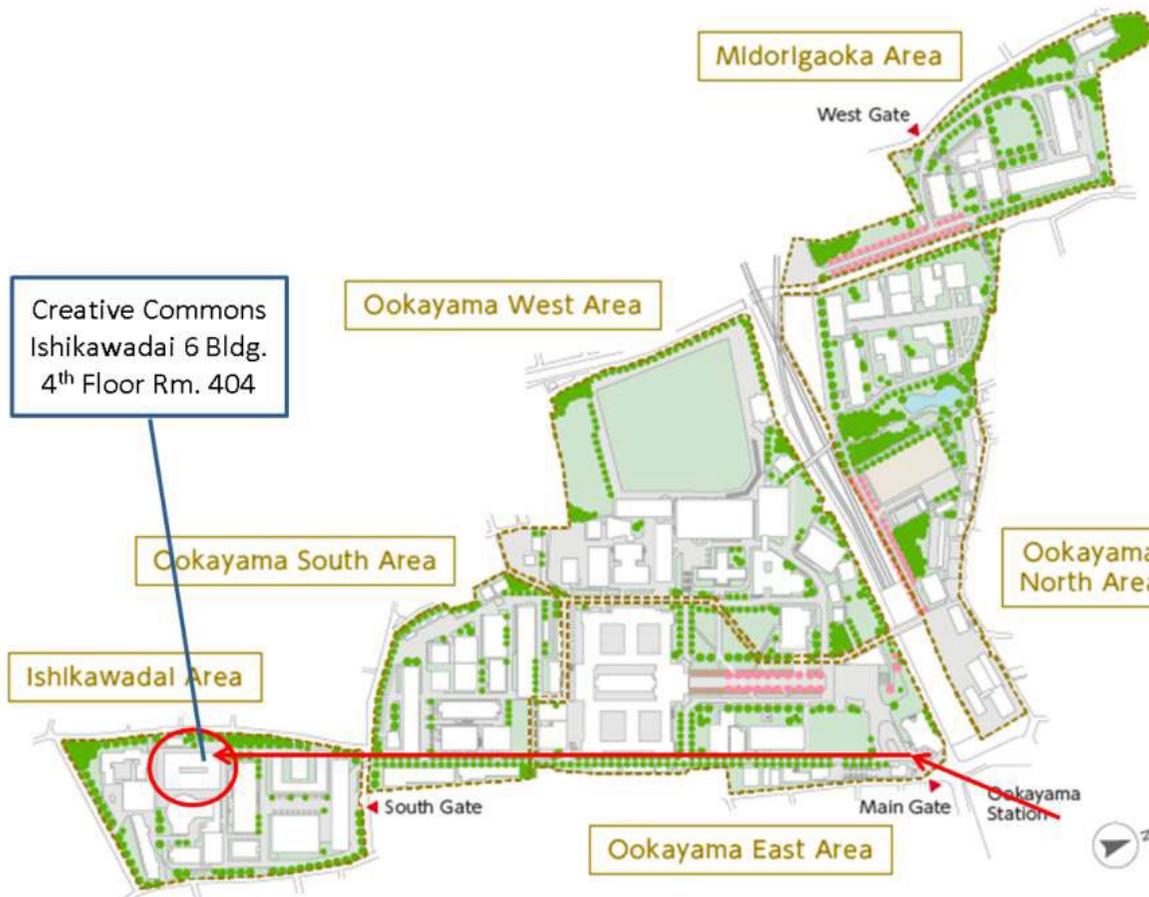


SAGE actively promotes academic and cultural exchange between students of Tokyo Tech and other universities through a variety of events and activities.

https://www.titech.ac.jp/english/globalization/stories/sage_2016.html

GSEP Creative Commons

- GSEP students can use the Commons room for group meeting, self-studying, etc.
- There is no trash bin in the room. Please take your trash with you when you leave.
- Keep it clean and orderly.
- CCTV installed for security.
- No staying overnight in GSEP Commons.
- Please sign distributed 'Oath' if you agree with the rules.
- Passcode to enter the lounge will be given to GSEP students as needed





GSEP Website

<http://www.tse.ens.titech.ac.jp/~gsep/>

GSEP Facebook Page

<https://www.facebook.com/gseptokyotech>

Inquiry? please contact at

gsep-contact@tse.ens.titech.ac.jp