

Benefits

- Developing your logical thinking, critical thinking ,and problem-solving skills, and enabling you to understand the process of creating new value
- Training your creativity, while providing the enjoyment of research and a broad perspective on technology in relation to society
- Helping you gain self-confidence to work independently regardless of field, a wider range of career path options, and greater chances of finding satisfying and rewarding jobs and success.

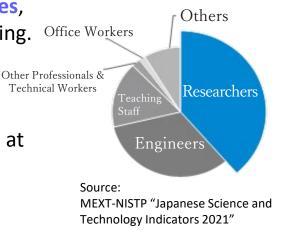
Changes in the perception of doctoral degrees

With the goal of taking advantage of scientific and technological progress, and developing capabilities for creating new industries, the expectations for individuals with doctoral degrees are growing. Their advanced sci-tech knowledge, as well as problem-finding and -solving skills are sought after by society.

After completing doctoral programs, a wide range of career paths can be considered – doctoral graduates work as scientists at higher education or research institutions, active players in companies, entrepreneurs, bureaucrats, politicians, etc. In particular, they are becoming more active in R&D companies.

First occupations for science and engineering doctoral graduates

Tokyo Tech



Related information: 「博士」のすゝめ* <u>https://www.tac-mi.titech.ac.jp/pdf/hakasenosusume.pdf</u>

* Roughly translated as "Benefits of earning doctoral degrees"

Three Takuetsu Programs

Financial support for doctoral students At Tokyo Tech, almost all doctoral students receive financial support from public or private entities. The TAC-MI, WISE-SSS, and ISE academies engaging in Takuetsu programs offer students opportunities for financial support.

Takuetsu programs and academies

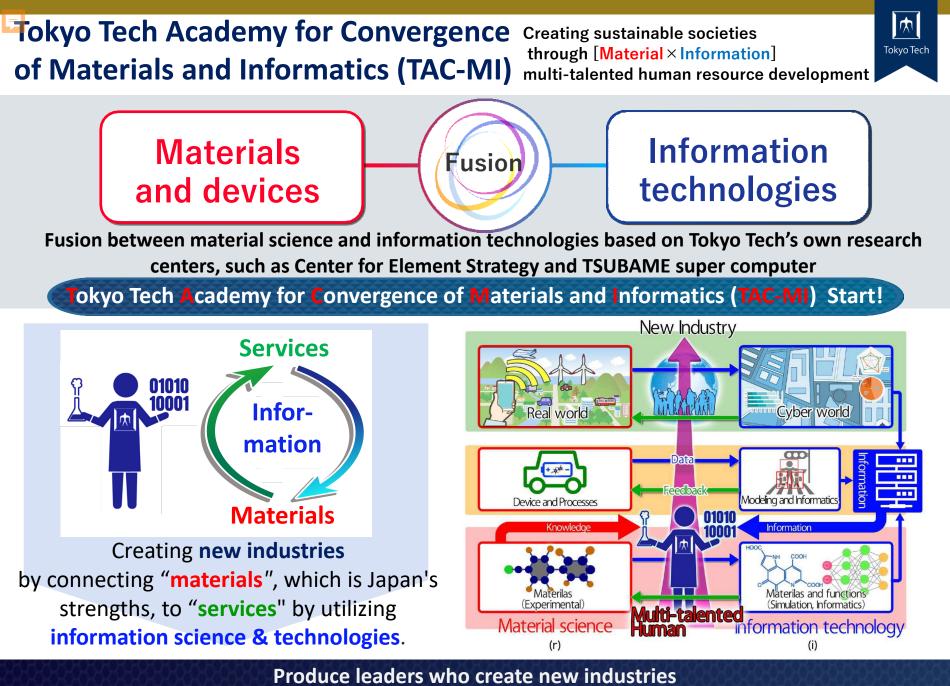
As part of efforts to foster outstanding doctoral graduates, Tokyo Tech has established the aforementioned three academies that function across academic disciplines at the Institute, and enable seamless transition between master's and doctoral degree programs. With the objective of developing students' abilities and skills required to create new value and solve social problems, these academies offer unique programs. They aim to promote interdisciplinary research, and encourage personnel exchanges among various organizations such as industrial entities, national institutions, and overseas institutions, while placing value on laboratory work and activities.

Takuetsu programs are waiting to welcome you!



* Takuetsu programs: Programs offered by the TAC-MI, WISE-SSS, and ISE academies are supported by MEXT's Doctoral Degree Program for World-leading Innovative & Smart Education (WISE Program). They are commonly called Takuetsu (卓越 in Japanese, meaning excellence or superiority) programs.

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as advanced professionals in materials science and informatics

Specially offered degree programs for TAC-MI students

To help students develop the four attributes required to become **multitalented individuals**, the academy has designed 12 educational modules:

(1) Creativity

- Materials and Informatics lectures with exercises
- Laboratory rotation
- Originality education with Self-designed thesis

(2) Broad perspective

- Lectures on social service creation
- Intelligent Services: A Social Perspective
- Industrial mentor system

(3) Practical ability

- Practice School to solve companies issues
- TAC-MI Research Grant to enhance the ability to find and solve problems

(4) Global leadership

- Leadership development courses provided by ToTAL
- International internships
- International forums on materials and informatics
- International mentor system

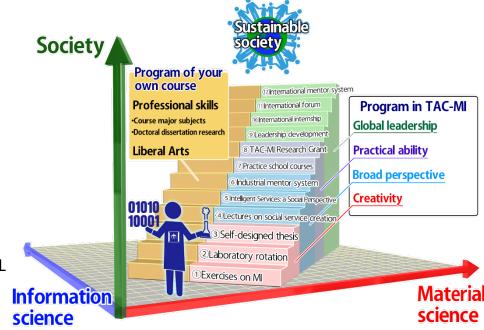
We also offer the **TAC-MI Scholarship** and **RA** that helps TAC-MI students to be financially independent and allows them to concentrate on their studies.

Student Recruitment Briefing will be held online. Please participate in the briefing session !

Schedule April 27th ,2022 To be live-streamed using Zoom

- (1) 16:30 \sim 17:15 Explanation in English
- (2) 17:15~18:00 Explanation in Japanese
- **③ 18:00~19:00** Exchange Meeting with TAC-MI Students

https://www.tacmi.titech.ac.jp/en/event/ay2022fall-briefing/





, LULL I o be live-streamed using Loom n in English If you wish to participate in the briefing session,

please register from the TAC-MI website.



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Super Smart Society (SSS) Promotion Consortium



But, how? \int

A next-generation education and research platform has been established! Students have opportunities to form interdisciplinary research teams with consortium partners and participate in the team with financial support.

SSS matching workshop



Match the needs of the Consortium partners with the seeds of the research and human resources of students through mutual presentations and discussions

Matching results 2020: 35 cases 2021: 18 cases Next chance is coming soon! June 6 (Wed) ... Seeds from students June 29 (Wed) ... Needs from industry All of you are eligible for attending.





† WISE Introduction Video

- Opportunities for education and advanced research using multiple research & education fields that bring together the best of cutting-edge science and technology
- Unique educational programs in cooperation with industry
- Substantial financial support
 Join us at the Briefing Session for Student Recruiting!



S) WISE for Super Smart Society (since Apr. 2020)







Tokyo Tech Academy of Energy and Informatics

Tokyo Tech Academy of Energy and Informatics Multi-scope · Energy WISE Professionals

Briefing Session on Recruiting Students for 2022AY Spring Enrollment

DATE : April 7th, 2022 (Thu) JPN 16:30-17:30 ENG 17:45-18:45

Venue : Online by Zoom

Register here→



HP: https://www.infosyenergy.titech.ac.jp/Academy/

Feel free to attend the session!!

Tokyo Tec

Outline of Tokyo Tech Academy of Energy and Informatics



Tokyo Tech Academy of Energy and Informatics



Expectations Create, design and lead the future society Multi-Scope · Energy WISE Professionals Multi-Scope · Energy WISE Professionals

Our Efforts

okvo Tech

Promote the integrative researches of

system" and "devices'

Public

Companies institutions universities

6

Tokyo Tech

25

World's top

15

- Hitotsubashi University's cooperation by providing knowledges of social science, educational skills and professional skills
- Utilization of energy big-data in smart energy system developed and demonstrated at Tokyo
- Collaboration with consortium members of 25 companies, 6 public institutes and 15 world's leading universities
- Cultivating abilities of flexibly handling on the site and finding problems by providing internship and co-research programs with domestic/overseas companies and universities
- Constructing a global human network centered on doctoral students by participating in various events such as cutting-edge research workshops and exchange events with consortium member companies and overseas universities
- The business and international mentorship system will help students develop multifaceted viewpoints

collaborative research

industry cooperation

education system

across all of Tokyo Tech's schools

Over 70 Professors/Assoc. Professors participating from

Organized into nine areas, teams design and conduct

"Multi-scope" energy education through academia-

Strategic student-industry matching, and a recurrent

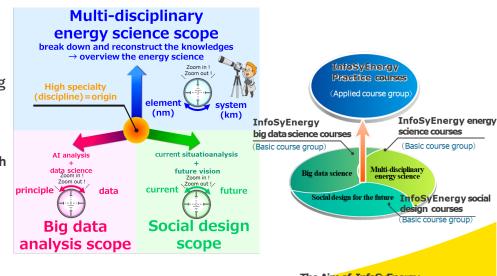
Our Curriculum

Various energy devices and elemental technologies of Tokyo Tech

Solar cells

Solid-state batteries Electrolysis(H2)/fuel cells

Cultivate "3 scopes" by "4 course groups" collaborating with "InfoSy**Energy** Research and Education Consortium"



The Aim of InfoSyEnergy

Synergistic effects from integrated promotion of "energy device development" and "system development Campus system technology developed and demonstrated at Tokyo Tech

Distributed Energy system Ene-Swallow