

# Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI)

## AY2020 Spring Semester Student Recruitment Briefing



MEXT H30 WISE Program: Doctoral Program for  
World-leading Innovative & Smart Education  
"Creating sustainable societies through  
[Material×Information] multi-talented  
human resource development"

**We look forward to students who wish to make  
an impact on society using materials and information.**

In order to foster outstanding individuals, the Institute established the Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI) in April 2019 under the auspices of MEXT's WISE Program, and will begin recruiting students starting in the spring of 2020. While in their graduate studies, students pursuing a doctoral degree can take this additional program, which will enable them to connect information with materials by using information science and multifaceted thinking, as well as by taking a broad perspective. The program aims, in addition to the top-level research, to cultivate multi-talented human resources to become leaders in this "space in multi-axes" that is our continually advancing society.

### Schedule

Each day, it will be conducted remotely at Ookayama and Suzukakedai.

If you are interested in this program, Please participate in the briefing session. (No advance reservation required)

#### 1st

Monday, October 28  
17:00~18:00

##### Main

W833 (Bldg.8E, Floor 3) Ookayama

##### Remote

G115 (Bldg.G1, Floor 1) Suzukakedai

#### 2nd

Friday, November 15  
17:00~18:00

##### Remote

W833 (Bldg.8E, Floor 3) Ookayama

##### Main

G115 (Bldg.G1, Floor 1) Suzukakedai

#### 3rd

Monday, November 25  
17:00~18:00

##### Main

W208  
(West Bldg.8E, Floor 2) Ookayama

##### Remote

Medium Meeting Room  
(Bldg.J2, Floor 20) Suzukakedai

### Application Eligibility

Students of all Schools who fall under the following are eligible to apply.

- (1) Those who are enrolled in a master's degree program at Tokyo Institute of Technology as of April 2020.
- (2) Those who wish to go on to a doctoral degree program.

### Selection Schedule

December 2019 - January 2020, Enrollment Examination will be conducted.  
(Document screening and Interview)

### Economic Support for Students

We provide economic support (1,280,000 to 2,000,000 yen per year)  
for doctoral students.



Lectures and Exercises using the supercomputer TSUBAME

Contact  
information

TAC-MI Office (S6 Bldg., Rm 402)



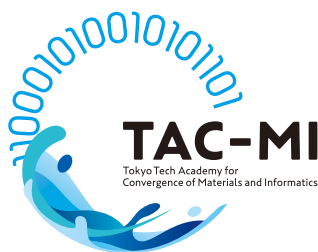
tac-mi@jim.titech.ac.jp

Please visit our website for details.

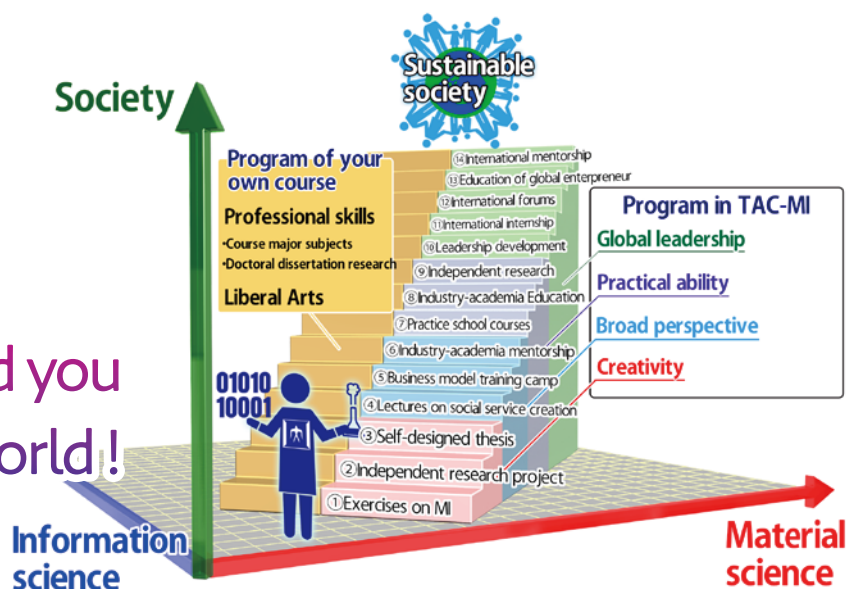
<https://www.tac-mi.titech.ac.jp/>







Excellent education and  
leading-edge research lead you  
to create the bran-new world!



The TAC-MI program is a seamless educational program provided throughout graduate learning. It aims to empower students to become multitasking individuals capable of promoting creative, interdisciplinary research in materials science and informatics. The program, in collaboration with partners from industry and the National Institute for Materials Science, will enable students to connect information and materials by utilizing information science and multifaceted thinking.

Cutting-edge facilities such as the Materials Research Center for Element Strategy and the supercomputer TSUBAME, combined with the Institute's collective strength, will allow TAC-MI students to acquire the following four attributes necessary.

## Creativity

Materials and Informatics lectures with exercises  
Independent research out of your field  
Originality education with Self-designed thesis

## Broad perspective

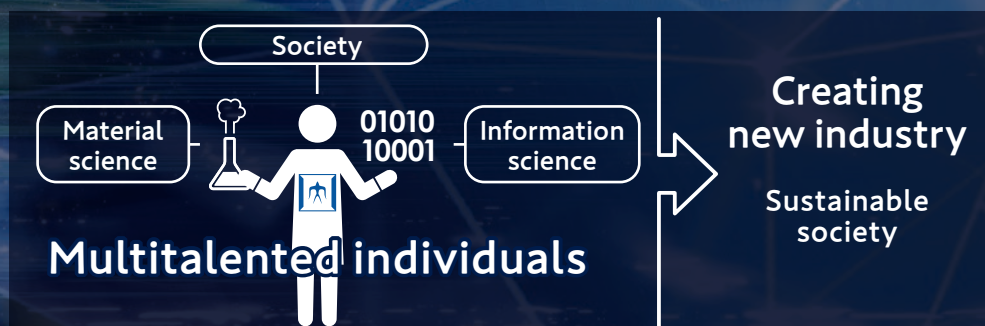
Lectures on social service creation  
Business model training camp  
Industry-academia mentorship

## Practical ability

Practice School to solve companies issues.  
Independent research and Self-designed thesis  
writing to find and to solve problems.

## Global leadership

Leadership development courses provided by ToTAL  
International internships  
International forums on materials and informatics  
International mentorship



## Multitasking individuals

We expect our students to take a leading role in the 'complex space' of a transdisciplinary framework as multitasking individuals that includes materials science, information science, and services to society, pursuing a path toward sustainability.

## Partner organization

National Research and Development Agency — 2

Overseas university — 7

Company — 18

(as of September 1, 2019)

National Institute for Materials Science / National Institute of Advanced Industrial Science and Technology / Leiden University / McGill University / Max Planck Institute / Imperial College London / Cornell University / Sorbonne University / Tsinghua University / TOYOTA MOTOR CORPORATION / Nissan Motor Co., Ltd. / Mazda Motor Corporation / Toshiba Corporation / JFE Steel Corporation / JX Nippon Mining & Metals Corporation / ASAH KASEI CORPORATION / Gurunavi, Inc. / Mitsubishi Chemical Corporation / SUMITOMO CHEMICAL Co., Ltd. / TOSOH CORPORATION / MITSUBISHI GAS CHEMICAL COMPANY, INC. / Sumitomo Electric Industries, Ltd. / SHOWA DENKO K.K. / TDK Corporation / LG Japan Lab Inc. / Panasonic Corporation / FUJIFILM Corporation