

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

AY2021 Fall 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 the participation of students who want to
make a social impact utilizing 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 Fall Semester 2021. 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

If you are interested in this program, please participate in the briefing session.

Monday, May 17, 2021

To be live-streamed using Zoom

- ① 17:15~18:00 in Japanese
- ② 18:15~19:00 in English

※ Registration required.

[How to register]

If you wish to participate in the briefing session, please register from the TAC-MI website.



URL: <https://www.tac-mi.titech.ac.jp/en/event/ay2021fall-briefing/>

※ It is posted as a questionnaire on the Web Services for Students and Faculty. You can also register from there.

Application Eligibility

Master's 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 September 30, 2021 (The beginning date of Fall Semester).
- (2) Those who wish to go on to a doctoral degree program.

Selection Schedule

June 2021 - July 2021, 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

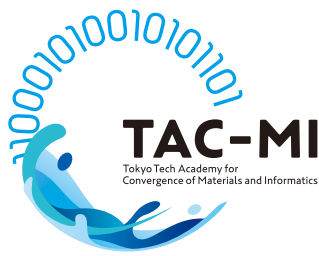
TAC-MI Office (S6 Bldg., Rm 402)

✉ tac-mi@jim.titech.ac.jp

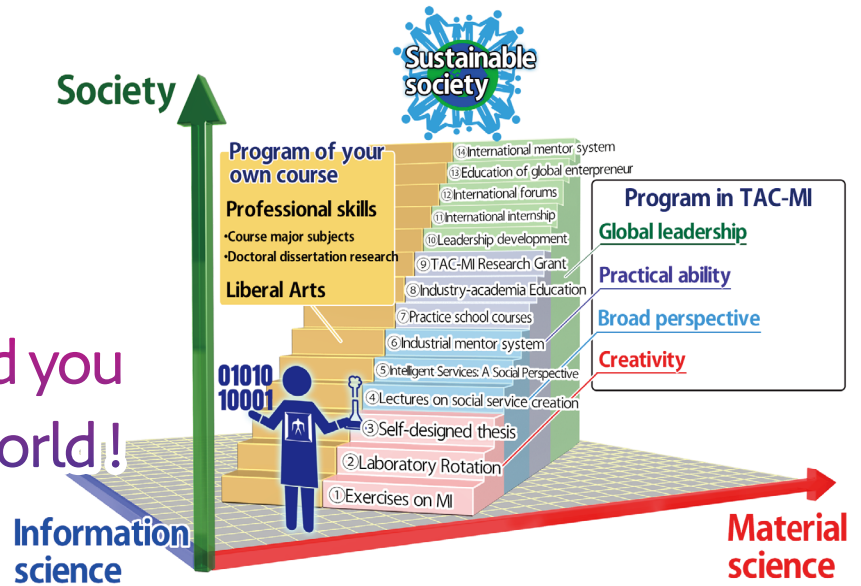
Please visit our website for details.

<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 partner organizations including 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
Laboratory rotation
Originality education with self-designed thesis

Broad perspective

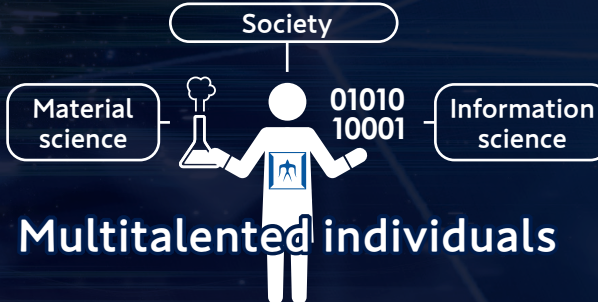
Lectures on social service creation
Intelligent Services: A Social Perspective
Industrial mentor system

Practical ability

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

Global leadership

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



Creating new industry

Sustainable society

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 — 26

(as of March 1, 2021)

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 / ASAHIKASEI CORPORATION / 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 / AGC Inc. / ZEON CORPORATION / Showa Denko Materials Co., Ltd. / KANEKA CORPORATION / Toyo Seikan Group Holdings, Ltd. / NAGASE & CO., LTD. / Hamamatsu Photonics K.K. / ENEOS Corporation / JEOL Ltd.