# Collaborative Education Program between UET and JAIST in Materials Science

Excellent students at University of Engineering ant Technology can transfer to JAIST under the Collaborative Education Program. Transfer students study at JAIST for 1 year under a JAIST faculty supervisor, and write a report of study at UET as their minor research project at JAIST. JAIST facility can assist with progress of the minor research project. Under the program, both UET and JAIST can increase their opportunities for international collaborative research and the publication of jointly-authored research articles.

## Candidates

1st year students in UET master course program

## Application Deadline

8th May 2023

## Application Procedure

1. Contact coordinators by the deadline and provide the followings:
   - Name, e-mail address, and curriculum vitae
   - Recommendation letter from the student's supervisor at UET
   - Pledge of enrollment after passing the screening
   - Choice of the supervisor at JAIST
2. Wait precheck by JAIST coordinator
3. After notification of the precheck result, start to contact the supervisor at JAIST for discussion on research topic at JAIST before the interview.
4. Prepare and submit the followings to JAIST coordinator by the specified date via e-mail.
   - A "study and research plan at JAIST" short essay and its presentation file
   - Score on standard English proficiency test (IELTS/TOEFL/TOEIC) if possible
   - List of expected credits in 1st year in UET masters course program
   - Research topic at UET (It will be considered as the minor research project at JAIST [Course #: S401].)

## Coordinators

UET: Dr. Bui Dinh Tu buidinhtu@vnu.edu.vn
Dr. Nguyen Tuan Canh canhnt@vnu.edu.vn
JAIST: Dr. Masashi AKABORI akabori@jaist.ac.jp

## Screening Method

Screening by interview
A 30-minute interview including a 7-minute presentation and Q&A section.
The number of expected credits earned at UET and the student's score on an English proficiency test will be also considered.

## Student Transfer Procedure

After the interview, JAIST will provide a list of approved candidates to the coordinator at UET. Candidates must then prepare the following:

- Application form designated by JAIST
- Official transcripts (undergraduate and master's programs)
- Proof of graduation
- Proof of screening fee payment (Screening fee: 30,000 JPY)

Details can be confirmed by the application guide provided by JAIST. Admission by student transfer is determined by consultation between UET and JAIST.

## Financial Support

Remission of entrance and tuition fees (given by JAIST based on the Collaborative Education Program)

- Entrance fee: 282,000 JPY
- Tuition fee: 535,800 JPY

Living expense support (given by the supervisor at JAIST)

- Amount of the support: 70,000 JPY / month (Total: 840,000 JPY)
- This will cover the cost of living while studying at JAIST.
- Monthly support is earned working under your JAIST faculty supervisor.

## Coordinator at JAIST

Assoc. Prof. Dr. Masashi AKABORI
e-mail: akabori@jaist.ac.jp
Japan Advanced Institute of Science and Technology (JAIST)
1-1 Asahidai Nomi Ishikawa, 923-1292 Japan

## Information on JAIST and the School of Materials Science

JAIST web page:
https://www.jaist.ac.jp/english/
School of Materials Science digital catalog:
https://www.jaist.ac.jp/english/areas/materials-science/digital-catalog/
YouTube (School of Materials Science):
https://www.youtube.com/user/JAISTClips
Twitter (School of Materials Science):
https://twitter.com/JaistMs

## Research topics for the present batch

"Computational Materials Simulations and Informatics"
"Exponential Biomedical DX (Digital Transformation)"
HONGO lab.: https://www.jaist.ac.jp/english/laboratory/si/hongo.html

"Materials Informatics based on electronic structure calculations"
MAEZONO lab.:
http://www.jaist.ac.jp/is/labs/maezono-lab/homepage2019/index.html

“Polymer electrolyte fuel cell (both proton and anion), rechargeable proton batteries, research on external force response sensors, and ion switching”
NAGAO lab.: http://www.jaist.ac.jp/ms/labs/nagao-www/?lang=en

“Development of next-generation silicon-based solar cells”
OHDAIRA lab.: http://www.jaist.ac.jp/ms/labs/ohdaira/en/home_e

“Polymeric organization inspired from natural environment and biomaterials”
OKEYOSHI lab: https://sites.google.com/oke-acgroup.com/web

“High-throughput screening of photocatalysts in water purification”
TANIIKE lab.: http://www.jaist.ac.jp/ms/labs/taniike/en/

“Study on rheological properties of polymeric materials”
YAMAGUCHI Masayuki. Lab.:
https://www.jaist.ac.jp/ms/labs/yamaguchi/index-e.html

## Schedule

March 2023: Announcement of Research topics
Contact coordinators for precheck by JAIST coordinator
Contact preferable JAIST supervisor after precheck
(Do not contact preferable JAIST supervisor before precheck)
8th May 2023: Deadline of application
Prepare short essay, presentation file, etc.
Late May - Early June 2023: Online interview for screening
Middle June 2023: Announcement of screening result
Prepare official documents for student transfer
Late June 2023: Deadline of submission of official documents
Late July 2023: Notification of admission by student transfer
Visa procedure etc.
October 2023: Student transfer to JAIST, start MC 2nd year at JAIST
Credit transfer, take courses, research at JAIST
August 2024: MC defense at JAIST
September 2024: Completion of MC at JAIST