

Application Guideline
for
Short-Term Research and Training Program
“*ASEAN Biotechnology Program*”
at
The University of Osaka, School of Engineering

The School of Engineering, The University of Osaka (hereafter “UOsaka”), invites applications for its Short-Term Research and Training Program designed for international students.

1. Target Applicants

Undergraduate students studying biotechnology or a related field at home university

2. Program Description

This program offers participants the opportunity to engage in advanced research projects under the supervision of leading professors, while experiencing Japan’s academic culture and daily life.

Program Highlights:

- 1) Conduct project-based training or advanced research in cutting-edge laboratories at UOsaka.
- 2) Participate in seminars, workshops, and collaborative activities.
- 3) Interact with Japanese students and researchers to foster academic and cultural exchange.
- 4) Explore Japanese culture through organized events.

3. Eligibility

- 1) Must be able to obtain a recommendation from the supervisor at the home university.
- 2) Must be able to communicate in English.

NOTE: As a general guideline: TOEIC 550, TOEFL iBT 35 or IELTS 5.0.

- 3) Must have prior laboratory experience in biotechnology or a related field.

4. Activities

- 1) Pre-arrival activities: Japanese language learning (preparatory assignments required) and learning about the research topics of the host laboratory.
- 2) Activities after laboratory placement: Conduct research activities and experimental training under the supervisor of the host laboratory.

NOTE: Seminars and experiments will be arranged by the supervisor

5. Duration

Between 2 weeks and 20 weeks

- 1) The starting and ending dates must fall on the same day of the week.

Ex) When you start your stay at UOsaka from Monday, you have to stay till Monday.

2) Dormitory availability may affect your preferred period.

NOTE: Priority will be given to applicants starting in April; applications for later start dates (May onward) may be accepted if the host laboratory has availability.

6. Status at UOsaka

The student status will be assigned as “Special Auditor (Credited)”.

The Frontier Lab Mini Program applies to stays of 2 to 12 weeks.

The Frontier Lab Flex Program applies to stays of 13 to 20 weeks.

NOTE: VISA application would be necessary

7. Tuition

Tuition fees are waived for students enrolled in a faculty or department that has an Inter-Faculty Agreement with the School of Engineering, UOsaka.

8. Scholarship

No scholarship is available for this program.

9. Crediting and Grading

Select one course (*FrontierLab Mini* or *FrontierLab Flex*).

Grades will be based on research activities, presentations, or reports.

10. Course and Credits (The number of hours is approximate.)

FrontierLab Mini

Course Name and Period	FrontierLab Mini 2 [2-4 weeks]	FrontierLab Mini 4 [4-6 weeks]	FrontierLab Mini 6 [6-8 weeks]	FrontierLab Mini 8 [8-10 weeks]
Credits at UOsaka	2	4	6	8
Contact Hours (Laboratory time) :hours	60	120	180	240
Preparation for Presentations :hours	5	10	15	20
Supervised Study (Meeting with a faculty supervisor) :hours	5	5	10	10
Tutorial (Supplementary advice from senior students) :hours	5	10	15	20
Independent Study :hours	10	30	40	60
Participation in Seminar :hours	5	5	10	10
Total Student Workload :hours	90	180	270	360
ECTS Equivalent (25 hrs. $\approx$ 1ECTS)	3.6	7.2	10.8	14.4

Course Name and Period	FrontierLab Mini 10 [10-12 weeks]	FrontierLab Mini 12 [12weeks]
Credits at UOsaka	10	12
Contact Hours (Laboratory time) :hours	300	360
Preparation Hours for resentations :hours	25	30
Supervised Study (Meeting with a faculty supervisor) :hours	15	15
Tutorial (Supplementary advice from senior students) :hours	25	30
Independent Study :hours	70	90
Participation in Seminar :hours	15	15
Total Student Workload :hours	450	540
ECTS Equivalent (25 hrs. $\approx$ 1ECTS)	18	21.6

FrontierLab Flex

↓ Recommend ↓

Course Name	FrontierLab Flex B	FrontierLab Flex C	FrontierLab Flex D
Credits at UOsaka	8	10	14
Contact Hours (Laboratory time) :hours	240	300	420
Preparation for Presentations :hours	30	30	40
Supervised Study (Meeting with a faculty supervisor) :hours	15	15	20
Tutorial (Supplementary advice from senior students) :hours	20	30	30
Participation in Seminar :hours	15	15	20
Independent Study :hours	120	150	210
Other Laboratory Activities :hours	10	10	10
Total Student Workload :hours	450	550	750
ECTS Equivalent (25 hrs. $\approx$ 1ECTS)	18	22	30

A+	90 points and above
A	85 points to 89 points
A-	80 points to 84 points
B+	75 points to 79 points
B	70 points to 74 points
C+	65 points to 69 points
C	61 points to 64 points

C-	60
F	59 points or below

F = Fail

10. Host Laboratory

Students will be assigned to a laboratory listed below based on their research interests and faculty availability.

Other laboratories may be considered upon consultation and mutual agreement.

Harada Lab: under construction

Sastia Lab : <https://sastialab.wixsite.com/home>

Watanabe Lab: <https://www-bio.eng.osaka-u.ac.jp/ez/en/index.html>

Uchiyama Lab: <https://macromolecularbiotechnology.com/en/>

Seki Lab: https://www-bio.eng.osaka-u.ac.jp/pl/index_e.html

Kino-oka Lab: <https://www-bio.eng.osaka-u.ac.jp/ps/English.html>

Omasa Lab: https://biochemicalengineering.jp/en/top_en

Aoki Lab: <https://aoki-lab.wrapas.site/>

Honda Lab: <https://hondalab.sakura.ne.jp/Molecular-M/>

11. Accommodation

Accommodation in a university dormitory will be provided.

While room rent is waived, students are responsible for utility fees and other related expenses.

As dormitory space is limited, accommodation is subject to availability and cannot be guaranteed.

12. Others

- 1) Purchase overseas travel insurance in your home country.
- 2) Register as a resident in Japan and be sure to enroll in the National Health Insurance NOTE: This is applied to *FrontierLab Flex Program* only
- 3) Purchase College insurance PAS/PAS comprehensive (Gakkensai & Gakkensai Futai) soon after arriving at UOsaka.
- 4) Discuss with your supervisor if you would like to visit outside of Osaka Prefecture for your cultural activities.
- 5) Follow the rules of UOsaka regarding safe research conduct and the use of bicycles.
- 6) We provide online Japanese learning materials both before and after your arrival in Japan.

13. Contact Information

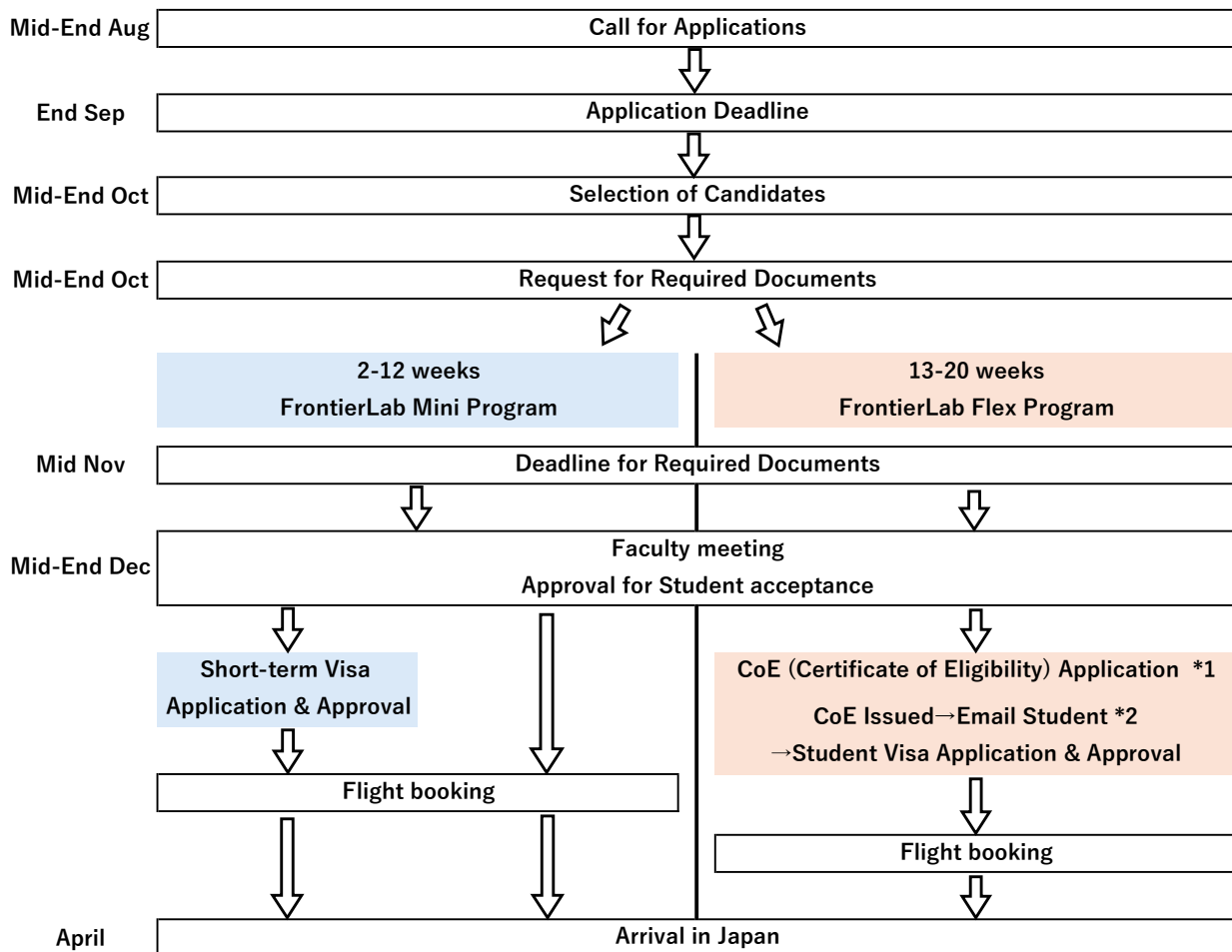
International Center for Biotechnology (ICBiotech)

The University of Osaka

Email: icbjim@icb.osaka-u.ac.jp

For Reference

< Pre-Arrival Workflow for International Student Acceptance >
(Example: April Arrival)



*1: To be completed approximately 3 months before arrival

*2: 3-8 weeks for approval after application