

# 国際高度人材キャリア開発プログラム Career Development Program for International Professionals(CDIP)

## GUIDANCE



CDIPs Program Office  
The Institute of Innovation in International  
Engineering Education,  
Graduate School of Engineering,  
The University of Tokyo

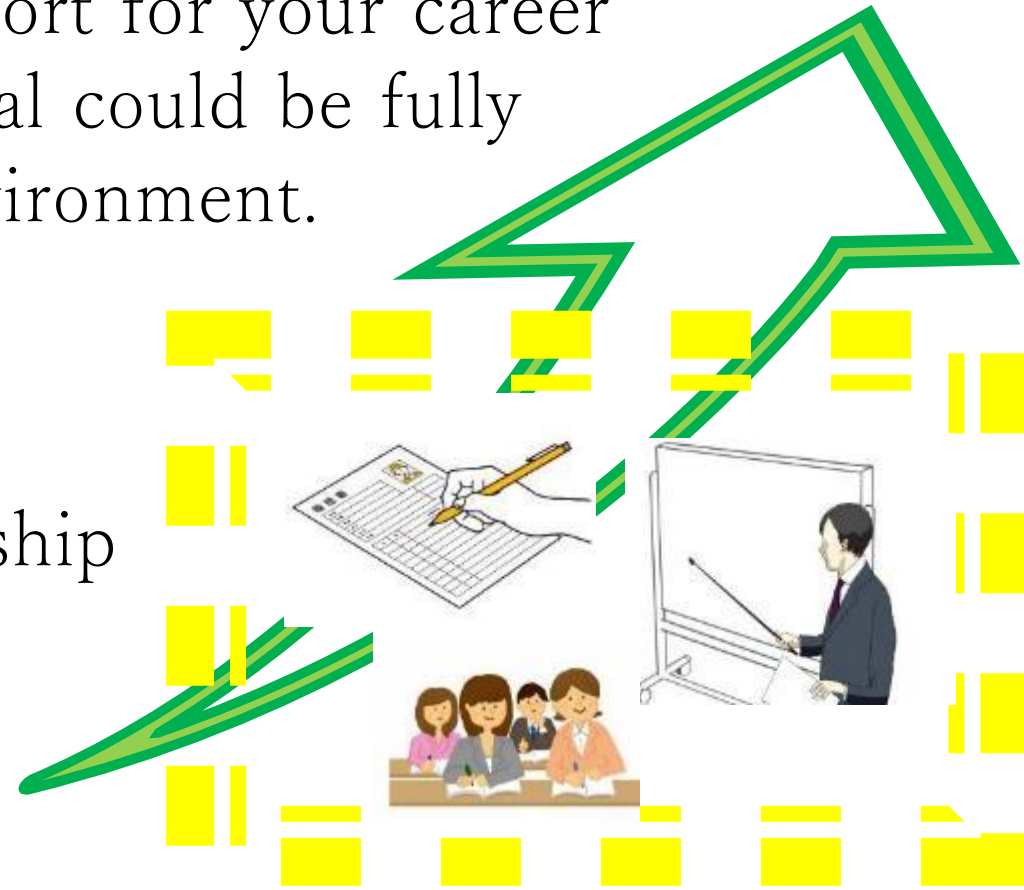
# Career Development Program for International Professionals

## • CONCEPT

- We will provide the necessary support for your career development in which your potential could be fully activated in the Japanese social environment.

## • CURRICULUM

- Japanese, Career Education, Internship

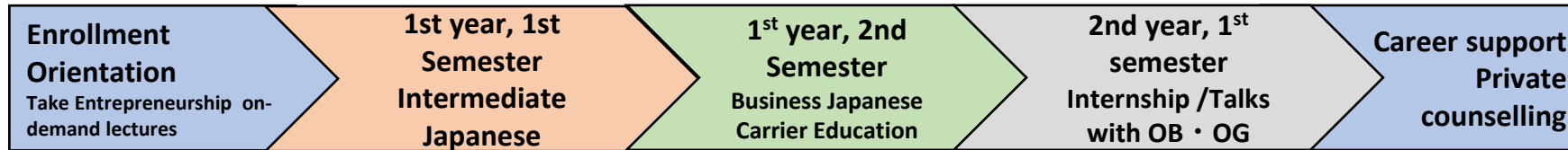


- Eligible students
  - Any international graduate students who are interested in starting a career in Japan
- Course requirements for certificate
  - at least 5.0 credits from following three sections:  
 Japanese ( $\geq 2.5$  credits), Career Education ( $\geq 1.5$  credits), Internship ( $\geq 1$  credit)

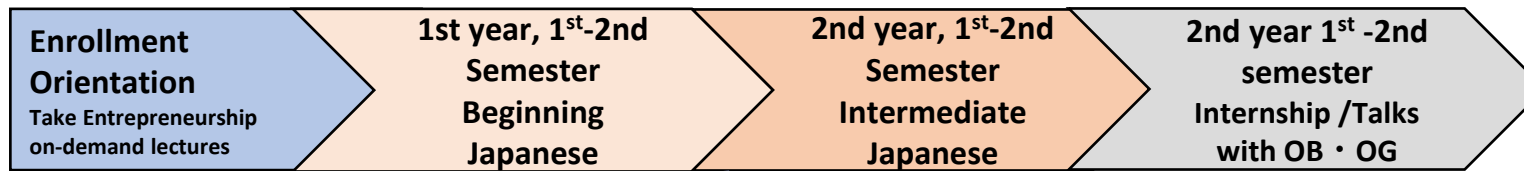
Japanese proficiency : Above N2 level, Master student or Doctoral student



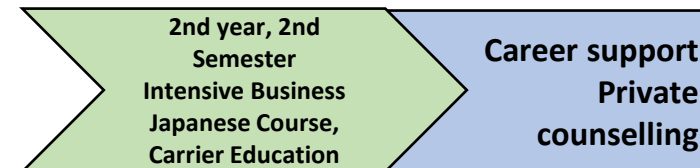
Japanese proficiency : N3 level, Master student or Doctoral student



Japanese Beginner, Doctoral student, or master student



Aim to pass JLPT N4 in the first year  
 Aim to pass JLPT N 3 ~2 in the second year



# Japanese Language Class School of Engineering (JLCSE)

**Objective:** We offer Japanese language education targeting graduate students and researchers at the School of Engineering so that they acquire the Japanese language ability necessary for daily living and specialized research work.

**Period:** 2 semesters/year April (S1S2) & October (A1A2) 14weeks/semester

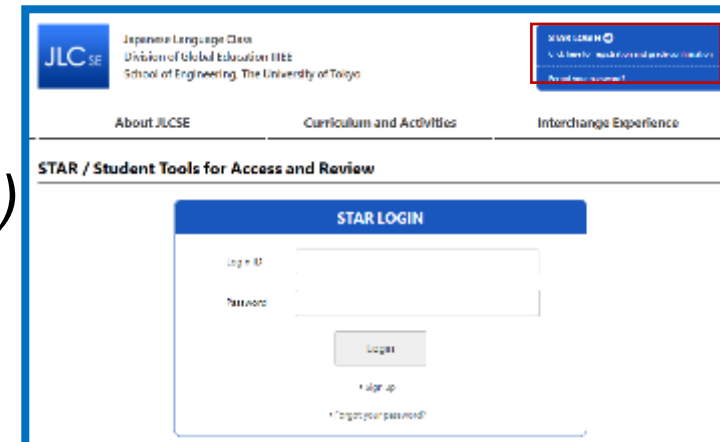
**Courses :** 7 level 32 courses (Beginning, Intermediate, Advanced)

**Credits:** 2 credits per once-a-week course

**Registration:** **STAR** (*Students Tools for Access and Review*)

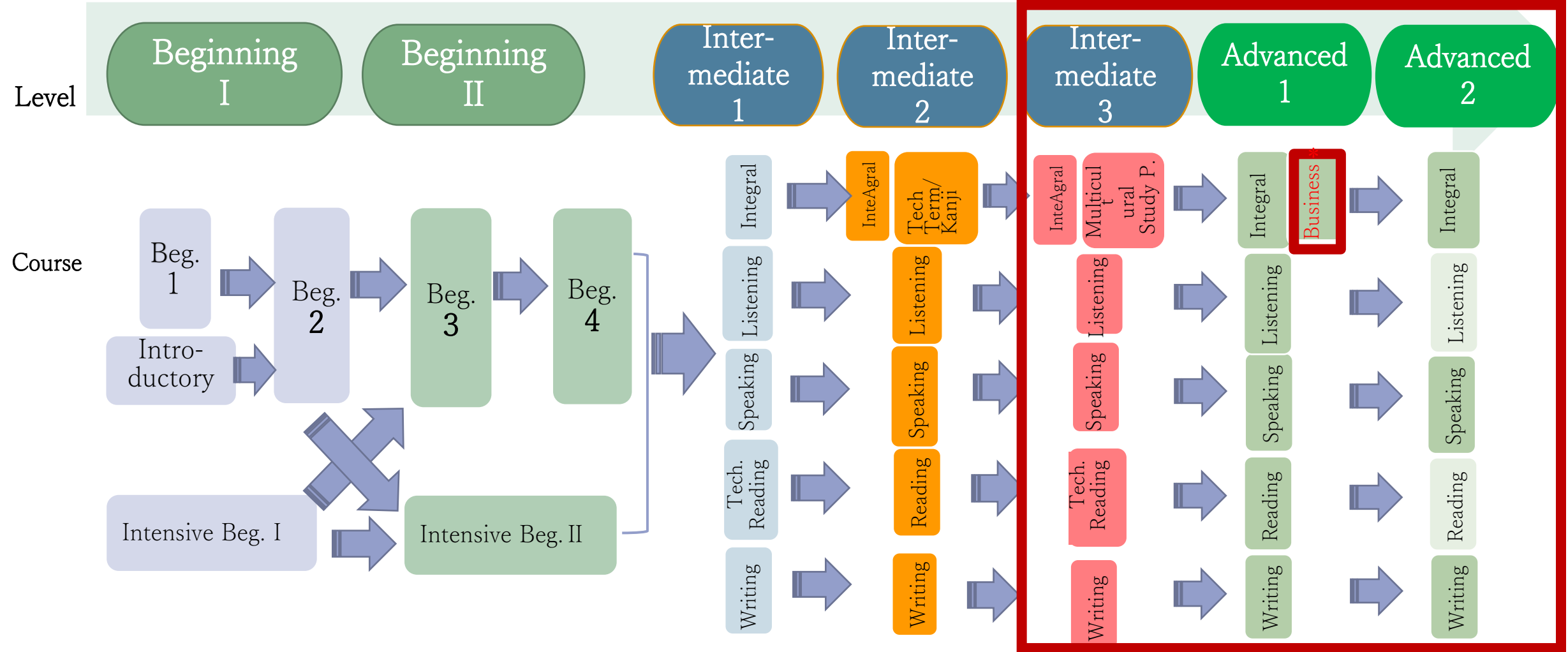
<https://www.jlcse.t.u-tokyo.ac.jp/en/star/>

**Deadline: Oct.8**



# JLCSE Course Steps

<https://www.jlcse.t.u-tokyo.ac.jp/en/>



*Make a plan and take Japanese Language courses !*

For CDIPs

# Japanese language requirements for CDIPs

## Internship

## Career Education

2.5 credits or more

N1  
N2

Japanese courses/Intermediate 3, Advanced 1 · 2

2credits

N2

Summer and Winter Intensive Courses/Business Japanese

0.5credit

N2

On-demand Video Streaming/Business Japanese

0.5credit

## Entrepreneurship

Email: [inquiry@cdip.t.u-tokyo.ac.jp](mailto:inquiry@cdip.t.u-tokyo.ac.jp)



# Career Education

- Entrepreneurship
  - Entrepreneurship I,II (3799-371, 3799-372 : 1 credit)
  - On-demand lectures (five videos)
- Japanese Career Bridge (2 credits)
- Japanese Career Design (2 credits)
  - Intensive Course/Career (0.5 credit)
  - On-demand Video Streaming/Career (0.5 credit)
- Engineering Literacy I,II  
- Business Strategy & Intellectual Property (3799-150: 1 credit)
- Frontier of Technology I,II (3799-021, 3799-022: 2 credits)


  
**工学リテラシーII-事業戦略と知的財産-(3799-160:1単位)**
  
**修士・博士対象**

概要: 高い専門性は持ちつつ、リーダーシップ、課題設定・解決・実行力、責任感・使命感、高いコミュニケーション能力、情報・機密等に優れた能力を備え、複合領域で柔軟な応用を持つことを目指した教育プログラムの一環として実施する。イノベーション、技術マネジメント、リーダーシップ、事業戦略、知的財産管理、機密などをキーワードとし、産業界等の第一線で活躍されている講師による講義。

**履修スケジュール: 木曜日 4回(14:55-18:40) 場所: オンライン**

日 時	講 義	講義内容
10月7日 (木)	授業 彦原 東京大学大学院工学系研究科 機械工学専攻 特任教授	ガイダンス
10月21日 (木)	吉川 恭 コランダムイノベーション株式会社 事業開発部 ディレクター	エンジニアからコンサル、VCへの転職の過程で得た経験・知見の伝わり
11月4日 (木)	辻村 学 株式会社 彦原製作所 フェロー	今そこにある危機:半導体は産業の米・頭脳・戦略物資?
11月11日 (木)	高橋 和裕 株式会社日立製作所 オプティクス推進本部 副本部長	半導体産産が重視される企業経営と自立の取り組み
11月18日 (木)	高田 英樹 独立行政法人日本貿易振興機構(JETRO) スタートアップ支援課長	JETROの活動及びスタートアップ支援の取組み
12月2日 (木)	杉山 晋也 独立行政法人日本貿易振興機構(JETRO) 知的財産課 アドバイザー	海外での知的財産
12月16日 (木)	新井 拓 一般財団法人 電力中央研究所 エネルギーシステムフォーメーション研究本部 研究統括室 原子力(設備保全)分野統括	課題中
12月23日 (木)	原田 大輝 株式会社 本田技術研究所 先進IT/ユニットエネルギー研究所 先進エネルギー研究ドメイン AGE	Power of Dreams ~地上から、空、宇宙へ広がるHondaのニューフロンティア開発~

講師や開催日時の変更を行う場合があります。GMSIのHPをご確認ください。  
 東京大学大学院工学系研究科機械工学専攻 GMSIプログラム事務局  
 〒113-8656 東京都文京区本郷7-3-1 工学部2号館2階203号室  
 Tel/Fax: 03-5841-1411(内線27437)  
 E-mail: office@gmsi.t.u-tokyo.ac.jp URL: <http://gmsi.t.u-tokyo.ac.jp/>

2024年度S152 工学部・工学系研究科 全学科共通科目 後期教養科目  
**先端技術と社会特別講義II**  
 工学部 FEN-CO4952L1  
**先端技術特別講義II**  
 工学系研究科 3799-022

企業の第一線で技術開発・導入を実践されている技術リーダーから「現場の知」を学べる講義です。先端技術と社会との関係をはじめ、工学分野の幅広い教養を身につけることができます。

毎週水曜日  
 14:55-16:40  
 (4時間)  
 工学部 2号館  
 212講義室  
 5/1, 5/8は  
 オンライン授業

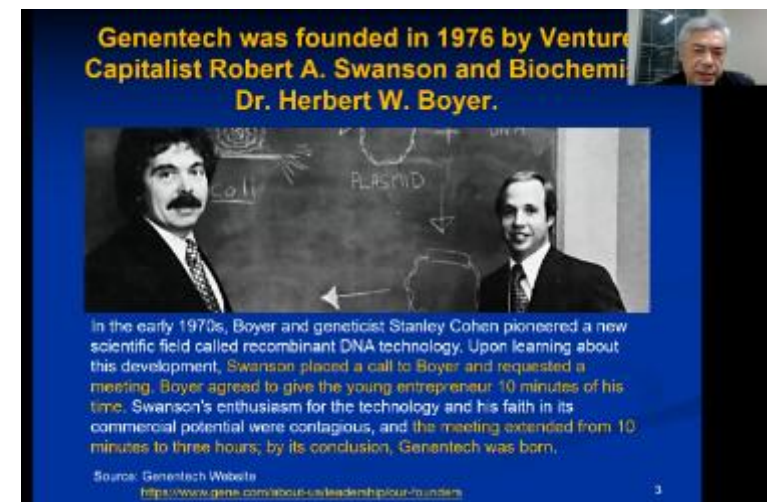
日 時	講 義	講 師
4/10	ガイダンス/ 米田スタートアップによる下水道学の社会実装 0-1&1-100	川口 孝雄 米田スタートアップ 代表取締役 兼 専任講師 渡藤 礼子
4/17	電動マイクロモビリティの社会実装への道のり	梶井 大輝
4/24	「空飛ぶクルマ」と呼ばれる移動の未来 日本利権での最先端移動ロボットのビジョン	中井 拓
5/1	線虫がん検査N-NOSEの発明と実用化 大学発の社会実装	松本 義典
5/8	CO <sub>2</sub> 地中貯留の技術開発とその社会実装	藤 直求
5/22	半導体ストレージで実現するAIの長期記憶 記憶検索型AI	出口 淳
5/29	ヒルス創出を支える様々な技術	梶井 義典
6/5 6/12 6/19	生成AIと事業デザイン	橋本 敏久
6/26 7/3 7/10	QRコードの開発の原点と成長	原 義典

東京大学大学院工学系研究科 工学部 2号館212号室 Tel: 070-1539-2376 E-mail: sawanaka@cc.t.u-tokyo.ac.jp(中野)

# Entrepreneurship on-demand lectures

- You can reflect on career through learning entrepreneurship which is important even for people who do not start their own businesses
- It is a very introductory course, so if you want learn more, please attend advanced courses or programs
- You can watch lectures on <https://www.cdip.t.u-tokyo.ac.jp/>

Introduction	
Session 1	Challenges Facing Innovation Ecosystem in Japan
Session 2	What is Entrepreneurship?
Session 3	University Entrepreneurship Ecosystem at the University of Tokyo
Session 4	University's Support for Entrepreneurial Students





# Career Education

Study about **Job-Hunting** in Japan

Internship

Career Support

N1

Japanese Career Design (2 credits)

:<https://www.jlcse.t.u-tokyo.ac.jp/en/>



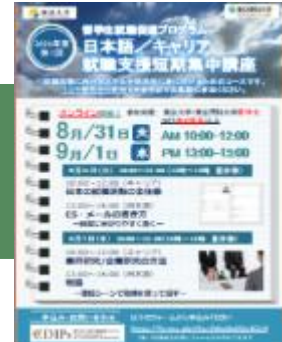
Advanced Business A		2021-2142
Level	W2/W3/20	
Title	0464	
Period	2021/10/04-2022/01/20	
Time	10:15-12:00 Thursday	
Course	W200	
Objectives	To acquire the knowledge and business skills necessary to understand Japanese business and act as a GM.	
Prerequisites	Completion of "Introduction 3" (C), or "JPN B" (English), "Applied Japanese" (English), "Business Studies" (English), "GTP"	
Textbook	General textbooks	
Evaluation	Classroom tests, assignments, reports, presentations, etc. (exam 20%) * Exam is held on the last day of the course. * Based on the result of the exam, the number of students who pass will be limited to the number of seats. * If the number of students who pass is less than the number of seats, the number of students who pass will be reduced to the number of seats. * Students who do not pass the exam can be enrolled only in the next semester after the exam. * Students who do not pass the exam can be enrolled only in the next semester after the exam.	



N2

Japanese Career Bridge (2 credits)

Summer and Winter, Intensive Course/Career (0.5 credit)

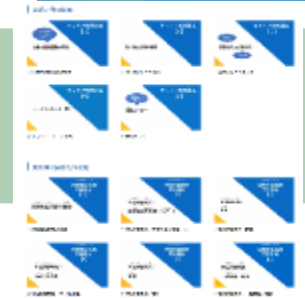


日本語/キャリア 就職支援短期集中講座	
8月/31日	Am 10:00-12:00
9月/1日	Pm 12:00-1:00
ES・キャリア教育 就職支援短期集中講座	
ES・キャリア教育 就職支援短期集中講座	
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ES・キャリア教育 就職支援短期集中講座	

N2

On-demand Video Streaming/Career (0.5 credit)

:<https://www.cdip.t.u-tokyo.ac.jp>



Japanese Courses

# Internship

- General internship
  - Work at company as a Trainee
  - Engineering competency II -research internship- (3799-147 2credits)
  - Science and technology/practice training 1~4, Internship, Research internship I
  - Internship found by yourself may be counted
- Project based learning
  - Make solution for problems provided by company
  - Engineering competency I -Project Based Learning- (3799-146 2credits)
  - Creative Engineering Project I , II (3799-024, 3799-025 : 2 credits)
  - Joint research project with company may be counted
- Duration more than 2 weeks(10days)

UTokyo  
2024 A1A2 Dept. of Engineering Common Courses 2 credits

**Creative Engineering Project for Undergraduate II** Undergraduate B3-B4 A1 A2  
Online. Please check the Zoom URL listed in the syllabus.

**Creative Engineering Project II** Graduate A1 A2 (Master, Doctor)

**Oct. 3 Thu 18:45~** Guidance for each individual project will also be provided. Please check the syllabus for the guidance schedule.

**A Semester Guidance & S Semester Debriefing Session**

[Course registration] Each project has a different course number. Please check the syllabus and handbook for registration. The course number has been changed from 2023 when students who matriculated in 2022 era credits for the courses offered in 2024. The credits will automatically be registered with the old course numbers.  
[When enrolling in multiple projects in the same semester] Please register for the following "Common Project" and participate in each project.

Note: The course numbers correspond to Creative Engineering Project for Undergraduate II and Creative Engineering Project II, respectively.

<p><b>UT innovators' Guild</b> Akira Hirose-Koji Nagatsuna JT innovators' Guild is a group of people who wish to design, create, and develop something new. You will be able to work with professionals with various business/technical background. If you have any business idea, please bring them over. Let's work together to make it real! Koji Nagatsuna   nagatsuna@coe.u-tokyo.ac.jp</p>	<p><b>Startup Training (Hongo)</b> Keisuke Nagato-Yuki Sugie The training part of Sony's social collaboration course, where you can learn the start-up method of technology x design x business through social implementation. Yuki Sugie   yusugie@hongo.sony.com</p>	<p><b>MAKAIZO Project</b> Keisuke Nagato-Hideyoshi Yanagisawa Learn the process of remodelling toys or home appliances to "useless" monsters, based on the policy of "Night of the MUKAIZO SOCIETY". Experience actual remodelling of familiar toys. Keisuke Nagato   nagato@hongo.u-tokyo.ac.jp</p>
<p><b>Urban Digital Twin Application Project</b> Yoshihide Sekimoto-Yuka Sogawa Learn the basic technology of the MIT's urban digital twin project "PLATEAU". The goal is to submit a product to the "PLATEAU AWARD," an application development competition that utilizes PLATEAU's data. Yuka Sogawa   sogawa-yu@mit.jp</p>	<p><b>Web Programming from Scratch</b> Lui Yoshida It's a web programming course suitable for complete beginners. Learn the knowledge and skills necessary to bring your own ideas to life. Lui Yoshida   luyoshida@coe.u-tokyo.ac.jp</p>	<p><b>Student Formula Project</b> Yamasaki Yuzuki-Kohji Kusaka You will plan, design, manufacture and test a formula racing car to enter "Student Formula SAE Competition of Japan". Not only manufacture a racing car, you will manage a virtual company. Technical Advisor: Yuta Yaguchi Kohji Kusaka   kusaka_kohji@mail.coe.u-tokyo.ac.jp</p>
<p><b>Mono-Lab Project</b> Naohiko Sugita-Baina Yoshizaki Develop and implement "work shops for creative manufacturing of Rubi Goldberg's machine" for elementary school students with students participating in the project. Naohiko Sugita   yosizaki@naohiko@coe.u-tokyo.ac.jp</p>	<p><b>Flying Robot Project</b> Takeshi Tsuchiya Design, build and fly a Flying robot for the Student Indoor Flying Robot Contest. Takeshi Tsuchiya   tsuchiya@hongo.u-tokyo.ac.jp</p>	<p><b>AIWolf Project</b> Fujiro Toriumi Develop AI agents to play waterwolf games to participate in the International AIWolf Contest. Learn programming and AI techniques. Fujiro Toriumi   toriumi@sys.t.u-tokyo.ac.jp</p>
<p><b>Solar Boat Challenge</b> Hideo Murayama-Gaburu Aoyama-Daisuke Ozawa-Gazu Yonokura Design and build a 1-passenger solar-powered boat using model-based approach (developing a digital twin and simulation environment). Hideo Murayama   murayama@coe.u-tokyo.ac.jp</p>	<p><b>International Internship</b> Hironori Kato This program provides you with an opportunity of technical experience through international internship. It enables you to enhance practical expertise. You are required to participate in the IAESTE program. Hironori Kato   katoh@coe.u-tokyo.ac.jp</p>	<p><b>Global Aviation Business</b> Taro Imamura-Hiroko Nakamura-Jiro Koda We learn and discuss the Aviation Industry with Airbus Japan. Hiroko Nakamura   hironaka@hongo.u-tokyo.ac.jp</p>
<p><b>Artificial Intelligence Application Project</b> Yutaka Matsuo-Yusuke Iwasawa-Tatsuya Matsushima Plan and develop a project to apply artificial intelligence technology to robot control. Participation in international robotics competitions (RoboCup) is also encouraged. Yusuke Iwasawa   creative_eng@coe.u-tokyo.ac.jp</p>	<p><b>Robot Contest Project</b> Yasuo Kuniyoshi-Yoshiyuki Ohmura-Kohji Kusaka Learn how to build a robot system designed for an optimal strategy. The goal of this project is to be a winner in the MUKAIZO robot contest. In 2024, 1st the project will be opened but no new recruitment will take place. The next new recruitment will take place in 2025(1st). Yoshiyuki Ohmura   creative_robot@coe.u-tokyo.ac.jp</p>	<p><b>Common Project</b> If you enroll in multiple projects during the same semester, please register for the course number. You can enroll in multiple projects during the same semester. However, this course plan is only worth 2 credits, which is equivalent to registering for a single project. The final grade you receive will be the highest grade among all the projects you have completed. Tadashi Kawana   kawana@coe.u-tokyo.ac.jp</p>

Division of Engineering Education, Institute for Innovation in International Engineering Education, The University of Tokyo  
Tel: 070-1539-2378  
E-mail: kawana@coe.t.u-tokyo.ac.jp (Takaaki Kawanaka)

SCHOOL OF ENGINEERING THE UNIVERSITY OF TOKYO  
https://deet.u-tokyo.ac.jp/

# Engineering Competency II

## -Research Internship- (3799-147) 2 Credits

- Companies offer research theme for the internship
  - Coop-J consortium (from Oct. '21)
    - 45 companies, Salary will be paid
  - C-Engine program (Consortium)
    - 26 companies / 17 Univ.
  - Toshiba, (Evonik, Airbus, Apollo tires, Repsol)
  - 2 months or longer and report
- Please contact GMSI office for the detail
- Registration deadline, Preparation procedure etc.

### Research Internship Guidance

Date : October 7th. 2024

Venue: Online (ZOOM)

<https://u-tokyo-ac-jp.zoom.us/j/82951174728?pwd=OjaIFhA4HCY8XbMiMGmOsxHh0bBQlA.1>

ミーティング ID: 829 5117 4728

パスコード: 771512

GMSI (Graduate school of Mechanical System Innovation)

E-mail : [office@gmsi.t.u-tokyo.ac.jp](mailto:office@gmsi.t.u-tokyo.ac.jp)

URL : <http://gmsi.t.u-tokyo.ac.jp/>

# Engineering Competency I -Project Based Learning (PBL)-

■ PBL, which is one of active learning, aims to cultivate ability to succeed in Industry, Government, and Academia through problem setting/solving through coordination and integration, based on needs-oriented approach and challenges to the subjects from Industry.

■ PBL is promoted by each of group, consisting of 5 – 6 members students from different fields, laboratories, nationalities, and young faculty staffs.

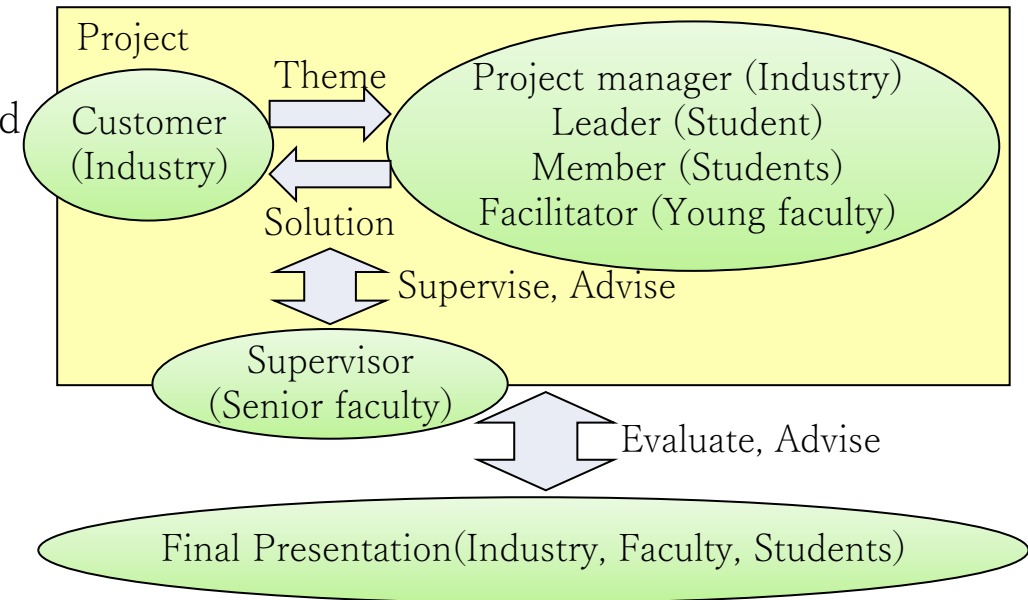
➤ Previous comments from participants said that PBL offers good opportunities for:

- ✓ Training of teamwork/communication.
- ✓ Creation of hints for new business models by mixing knowledge of industry and academia, based on fresh ideas and perspective of students.

■ From 2009 to 2020, PBL provided the total 57 interesting themes offered from 21 companies, and 2 departments of UTokyo.

PBL themes and participating companies in 2023

No	Company	Title
1	Hitachi Astemo, Ltd.	Business Model for Connected Autonomous Vehicle Services
2	Ebara Corporation	Platform business produced by a manufacturer
3	System JD CO., Ltd.	Verification of the 6th Basic Energy Plan for "Island"



PBL implementation framework



Final presentation



# Career Support

Supports and Opportunities to **develop Career** for International Students

## Interact with Alumni



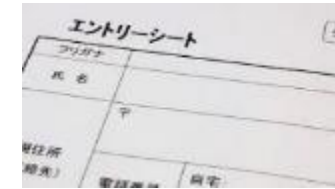
2 times a year  
(Summer & Winter)  
interact with **alumni**  
and learn about various  
**industries and careers**

## Practice Japanese Interview



Practice Session of Japanese  
• Group Interview,  
• Group Discussion  
• Interview manners

## Consult about Individual Careers



- Consult about general job-hunting in Japan
- **Correction of Japanese documents**
- **Personal career counseling**



For more information about specific recruiting companies and recommended applications, please contact your **department's employment office** or Career Office for Faculty of Engineering and Science  
**理工連携キャリア支援室** <http://t-career.t.u-tokyo.ac.jp/>



理工連携  
キャリア支援室  
東京大学 大学院  
[工学系研究科・工学部]  
[理学系研究科・理学部]

工学部 2号館 208号室

# Certificate/Scholarship

- Certificate of completion
  - Presenting at seeking employment
  - Signed by President of the University of Tokyo
  - Priority when you change the visa status
- Scholarship granted to this program
  - Registered students are eligible to apply
  - Year of 2024 (Selected)
    - JASSO: 10 students, 48,000Yen/Month × 12
    - 7 students, 20,000Yen/Month × 12



※Image

**Monbukagakusho  
Honors Scholarship  
for Privately-Financed  
International Students**



# CDIPs

留学生就職促進プログラム

国際高度人材キャリア開発プログラム

- Registration
  - Download the form from CDIP HP
- URL: <https://www.cdips.t.u-tokyo.ac.jp/>
- Email: [inquiry@cdip.t.u-tokyo.ac.jp](mailto:inquiry@cdip.t.u-tokyo.ac.jp)