

Special Scholarship Program

3-Year Doctoral program at Kochi University of Technology



KOCHI UNIVERSITY OF TECHNOLOGY



Message from the President

Shigeomi CHONO, President

Kochi University of Technology (KUT) was established in April 1997 as a private university, but in 2009 it became a public university run by Kochi prefecture. This history has made the university both independent and unique, and financially stable. The university offers graduate programs in Engineering, and Economic and Management. Working towards our lofty ideal, "Making KUT a world class university through the pursuit of unique excellence," we pride ourselves on developing advanced innovations that emphasize freedom from the constraints of conventional practice. Our special scholarship program (SSP), which started in 2003, emerged from this concept. The SSP promotes research excellence by inviting highly qualified PhD students from around the world. SSP students are exempted from school fees and are paid living expenses so that they can maximize their engagement in their doctoral degree study. Under the direction of KUT faculty members, so far over 200 students have obtained doctoral degrees and are now making dynamic contributions in various academic fields. Since 2007, a series of biennial, alumni-centered, international conferences has been held. It helps to connect SSP graduates who are playing key roles in varied research field all over the world, and this network is expanding further. Fully committed to the recent worldwide trend of globalization of universities, we at KUT will continue to do our utmost to support the SSP system, and to maximize the achievements of our SSP students. We eagerly await applications from diligent and talented students.

Project-based

English instruction

Outline

The Special Scholarship Program (SSP) was established in 2003 in order to support the development of advanced research at the university through the contribution of highly capable doctoral students. Every year, KUT enrolls approximately 15 selected doctoral students to work in specific research projects. Each student pursues a doctoral course in English while at the same time assisting his/her host professor in his/her research projects and receiving monthly payment in return for his/her contribution to the projects. This program is for those who have strong intention to engage in his/her research projects for the whole three years acquiring profound knowledge and skill and ability to become a full-fledged researcher, and aspire to satisfy the degree requirements accordingly. It is designed to help students with limited financial resources who are ready to devote themselves to the expected research and related studies so as to finally accomplish their academic goal.

- **Entry: April and October**
- **Language: English**
- **Number of students to be admitted: Each project can have a maximum of 3 students enrolled concurrently (See the concrete figures on the web)**
- **Program of study: Doctoral program (3 years)**

Fields of Research Projects

Kami Campus

- Environmental Systems Engineering
- Intelligent Mechanical Systems Engineering
- Electronic and Photonic Systems Engineering
- Information Systems Engineering
- Infrastructure Systems Engineering

Eikokuji Campus

- Economics and Management

Doctoral Degree

Doctor of Engineering

or

Doctor of Philosophy

Completion Requirements

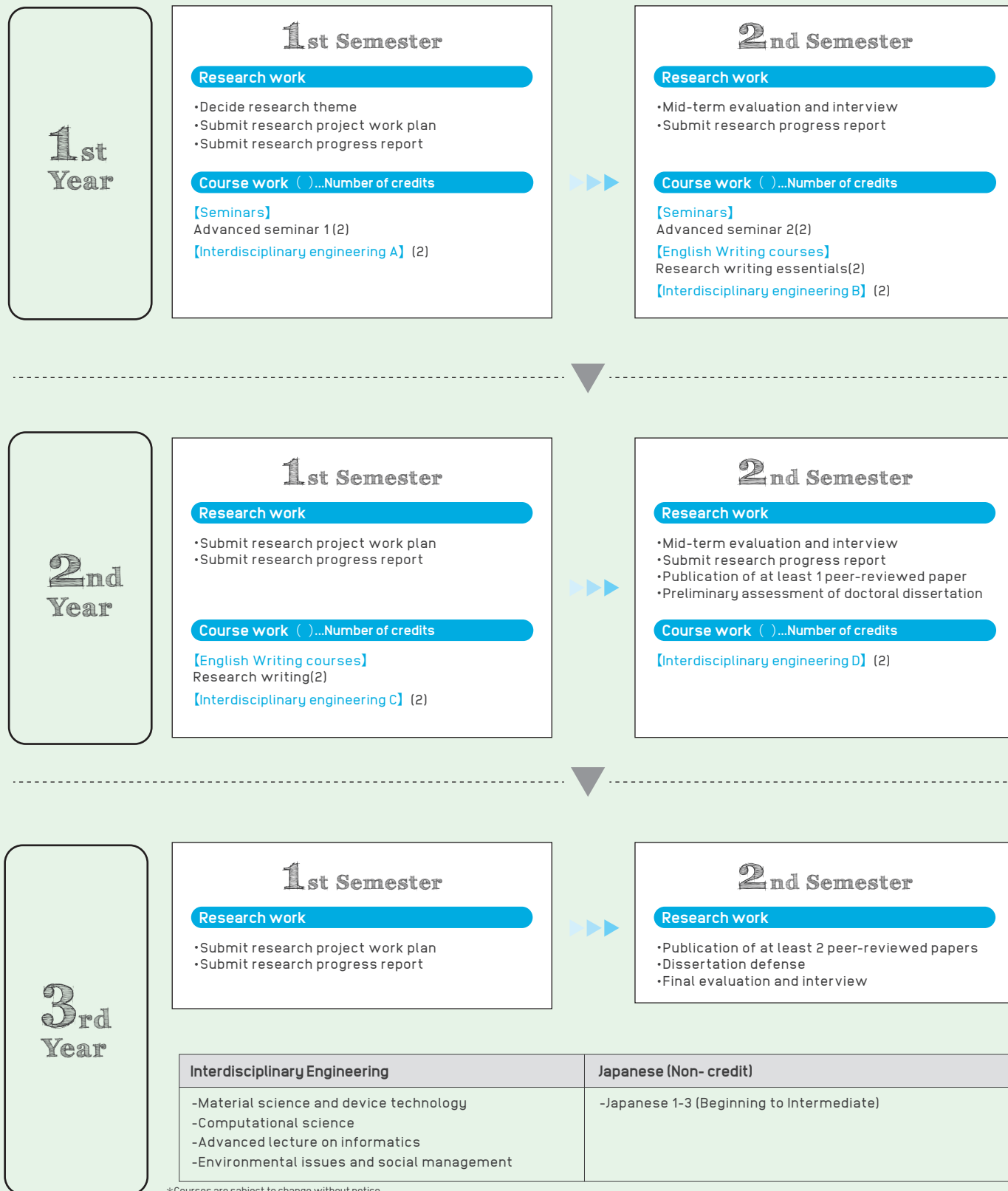
- 1) 3 years' enrollment in a doctoral program at KUT
- 2) 10 or more doctoral course credits earned
- 3) Successful completion of the doctoral dissertation defense after receiving a preliminary assessment more than one year in advance of the defense.
- 4) Two or more papers in high level peer-reviewed journals, published at least two months before completion of the program; this is the basic requirement for holding a dissertation defense.

Origin of SSP international students admitted

From more than 30 countries around the world, including Asia, Europe, America and Africa.

Curriculum and Standard Schedule for Completion

For April Enrollees:








Tuition waiver and full financial assistance

Benefits for Successful Applicants

- ① **Exemption** from 30,000 yen entrance examination fee, 300,000 yen enrollment fee and 535,800 yen/year tuition fee.
- ② To support living expenses, **150,000yen/month** is paid for research project work.
- ③ **150,000 yen** is provided for travel and initial living costs (given only to international applicants who are living outside Japan).

Examples of monthly living expenses

 Room fee	27,500 yen~30,000 yen
 Electricity fee / Utility fees	2,500 yen~
 Food *	40,000 yen
 Taxes **	15,000 yen
 Other	34,000 yen
Total	Approx 120,000 yen

1 JPY=about 0.008 USD

Support Systems

- Free Japanese language class will be provided for daily conversation and grammar.
- Tutors assist new international students with academic and daily life matters.
- Many types of Japanese cultural activities and sightseeing local bus tour will be offered seasonally.
- International students can receive assistance in finding accommodation.
- Free shuttle bus will be available between Kami campus and Eikokuji campus.
- Individual consultation with an IRC member or faculty member will be supplied as necessary.



International House on Kami Campus

- Located on Kami Campus.
- 84 single rooms each with its own bathroom.
- Two room types (with kitchen/ without kitchen) are available.
- Common lounge, common kitchen, mail boxes and laundry room are available.
- Internet access in the dormitory is free of charge.
- Use of KUT bicycles is free of charge.
- Furnished with an air-condition, bed, desk, chair and fridge.



Takasone Dormitory C on Eikokuji Campus

- Located 2.6 km from Eikokuji Campus.
- 40 single rooms each with its own bathroom and kitchen.
- Common lounge is equipped with a TV, tables and chairs, and a kitchen with a fridge and a microwave. Laundry room are available.
- The main entrance of the building has an auto-locking door and security camera.
- Internet access in the dormitory is free of charge.
- Each student room has Wi-Fi access.



Application and Admission Schedule

https://www.kochi-tech.ac.jp/english/admission/ssp_aft19oct/ssp_application_guideline.html



Enrollment time	Application and admission flow	The 1st schedule	The 2nd schedule
April	① Pre-application	By the end of January (previous year of enrollment)	By the end of July (previous year of enrollment)
	② Application	By mid- March (previous year of enrollment)	By mid-September (previous year of enrollment)
	③ Screening (Documentary exam, Interview, Written exam (specialization))	April-May (previous year of enrollment)	October-November (previous year of enrollment)
	④ Notification of Admission Decision (Individual notification)	Mid-June (previous year of enrollment)	Mid-December (previous year of enrollment)
October	① Pre-application	By the end of July (previous year of enrollment)	By the end of January
	② Application	By mid-September (previous year of enrollment)	By mid- March
	③ Screening (Documentary exam, Interview, Written exam (specialization))	October-November (previous year of enrollment)	April-May
	④ Notification of Admission Decision (Individual notification)	Mid-December (previous year of enrollment)	Mid-June

*Each deadline can be confirmed on our web page.

- ① Each applicant must send only one pre-application request to the project leader of his / her preferred project via "KUT Online Pre-application Request Form". The applicants are encouraged to send a pre-application request to the project leader of his / her preferred project at least 6 weeks prior to the formal application deadline.
- ② Only applicants who obtain the permission of the project leader can submit a formal application.
- ③ Interview and written exams are scheduled individually after the due consultation, if necessary.

Requirements and Eligibility for Admission

Applicants are required to meet all of the following conditions:

- ① To have permission from the project leader of the applicant's preferred SSP project to apply for that project
- ② To hold a degree from an accredited institution comparable to the master's degree offered at KUT after 18 years of education, or to be scheduled to acquire such a degree before the KUT enrollment date
- ③ To be 35 years old or under at the time of enrollment
- ④ To have an excellent academic record and strong bachelor's and master's degrees from reputable universities
- ⑤ To have the intention, adequate knowledge and research skill to work in the research project
- ⑥ To have high English proficiency

*Applicants must have one of the following score to apply: a minimum score of TOEFL iBT72 (Writing 17), IELTS5.5 (Writing 5.5), CET-6 or WSK, at least.

SSP Project Leaders List

(2023)

https://www.kochi-tech.ac.jp/english/admission/ssp_aft19oct/ssp_research_project_list_for_prospective_students_enrolling_in_oct.html



Environmental Systems Engineering (Kami campus)

- Prof. Nagatoshi Nishiwaki
Field: Organic Synthetic Chemistry, Heterocyclic Chemistry, Nitro Chemistry
- Prof. Mamoru Furuta
Field: Semiconductor Materials and Device Physics, Flexible Devices, Transparent Electronics, Flat Panel Displays
- Prof. Hideo Kohno
Field: Nanostructure, Electron Microscopy
- Prof. Hiroshi Frusawa
Field: Soft Condensed Matter, Statistical Physics
- Prof. Yusuke Kamachi
Field: Molecular Developmental Biology
- Prof. Seiji Tanaka
Field: Molecular Biology, Molecular Genetics
- Prof. Kojiro Ishii
Field: Chromosome Biology
- Prof. Takeshi Fujita
Field: Catalysis, Metallurgy, Electrochemistry, Electron microscopy
- Assoc. Prof. Sadao Momota
Field: Nano-meter Scale Fabrication, Ion Beam Technology, Material Science
- Assoc. Prof. Masataka Ohtani
Field: Nanomaterial Chemistry, Physical Chemistry, Polymer Chemistry
- Assoc. Prof. Michikazu Kobayashi
Field: Statistical physics, hydrodynamics, nonlinear dynamics
- Assoc. Prof. Noriko Nitta
Field: Materials Engineering
- Assoc. Prof. Akitaka Ito
Field: Photochemistry, Coordination Chemistry, Analytical Chemistry
- Assist. Prof. Shotaro Hayashi
Field: Functional Polymer Chemistry, Crystal Engineering, Optoelectronics in Polymer and Crystal Materials

Intelligent Mechanical Systems Engineering (Kami campus)

- Prof. Tomohiro Tsuji
Field: Dynamics of Liquid Crystal
- Prof. Shuoyu Wang
Field: Control Theory, Intelligent Robotics
- Prof. Toshiyuki Kawaharamura
Field: Thin Film Fabrication, Semiconductor Device Fabrication, Reaction Engineering, Electrical Engineering, Chemical Engineering, Physical Chemistry, Fluid Dynamics, Quantum Mechanics
- Prof. Tatsuro Kosaka
Field: Composite Materials Smart Materials, Nano Composite Materials
- Prof. Kyoko Shibata
Field: Measurement and Control Engineering, Mechatronics
- Assoc. Prof. Eiichi Inami
Field: Surface Science, Scanning Probe Microscopy, Single Atom/Molecule Manipulation, Nano-functional-materials/devices
- Assoc. Prof. Motomichi Sonobe
Field: Human Dynamics, Kinematics and Kinetics Analysis, Instrument Technology, Control Engineering
- Assoc. Prof. Akinori Harada
Field: Air Traffic Management (ATM) and Communication, Navigation and Surveillance (CNS) Technologies
- Assist. Prof. Yousuke Ogino
Field: Hypersonic Flow Computation, Nonequilibrium Plasma, Radiative Heat Transfer, Collisional-Radiative Model

Economics and Management (Eikokuji campus)

- Prof. Koji Kotani
Field: Agriculture, Natural Resource Management and Environmental Economics
- Prof. Yutaka Kobayashi
Field: Mathematical Biology

Information Systems Engineering (Kami campus)

- Prof. Makoto Iwata
Field: Computer Architecture and LSI Design
- Prof. Xiangshi Ren
Field: Frontier of User Interface Research, Human Computer Interaction, Human-Computer Interaction, Human-Engaged Computing
- Prof. Keizo Shinomori
Field: Vision Psychophysics, Vision Science and Color Vision, Non-invasive Brain Research, Vision Science, Color Vision, Affective (kansei) response measurement
- Prof. Kiyoshi Nakahara
Field: Cognitive Neuroscience, Functional Brain Imaging, Neuroscience, Functional Imaging, Brain Stimulation
- Prof. Masahiro Fukumoto
Field: Signal Processing, Information Distribution, New Generation Network (Future Internet)
- Prof. Masanori Hamamura
Field: Wireless Communications and Networking
- Prof. Mikifumi Shikida
Field: Computer-Supported Cooperative Work, Network Service, and Cloud Computing
- Prof. Kiminori Matsuzaki
Field: Structured Parallel Programming, Game Informatics and Artificial Intelligence
- Prof. Hiroaki Shigemasa
Field: Human 3D Visual Perception
- Prof. Shinichi Yoshida
Field: Pattern Recognition and Machine Learning for Brain Decoding and Neuroscience
- Prof. Toru Kurihara
Field: Image Processing and Understanding
- Prof. Masaki Takeda
Field: Neuroscience, Functional imaging, Brain stimulation
- Prof. Yoshiaki Takata
Field: Formal Specification and Verification of Software
- Assoc. Prof. Hiroshi Kadota
Field: Systems Neuroscience, Brain Imaging, Motor Control
- Assoc. Prof. Takahiko Mendori
Field: e-Learning Systems and Its Support System, Learning Analytics
- Assoc. Prof. Hiroki Nishino
Field: Creative and Cultural Computing
- Assist. Prof. Shogo Takeuchi
Field: Game Informatics

Infrastructure Systems Engineering (Kami campus)

- Prof. Masahiro Ouchi
Field: Concrete Engineering
- Prof. Masataka Takagi
Field: Remote Sensing
- Assoc. Prof. Hiroaki Nishiuchi
Field: Traffic Engineering and Infrastructure Planning
- Assist. Prof. Suguru Suzuki
Field: Seismic design, Reinforced Concrete, Composite Structure

Electronic and Photonic Systems Engineering (Kami campus)

- Prof. Akimitsu Hatta
Field: Plasma Electronics, Plasma Science and Engineering, Gas Discharges, Plasma Processing, Nanotechnology, and Nano-material
- Prof. Masa-yuki Yamamoto
Field: Upper Atmospheric Science and Space Engineering
- Prof. Chaoyang Li
Field: Nanotechnology for Semiconductor
- Prof. Hisao Makino
Field: Physics of Optoelectronic Materials
- Prof. Hiroshi Furuta
Field: Material Science, Thin Film Engineering
- Prof. Yukio Mitsuyama
Field: Computer Architecture and VLSI design, Reconfigurable Architecture and its CAD
- Assoc. Prof. Yukinobu Hoshino
Field: Computer Science and Engineering
- Assoc. Prof. Hirokazu Kobayashi
Field: Optical Wavefront Control, Optical Measurement, Quantum Measurement, Quantum Optics
- Assoc. Prof. Akihito Noda
Field: Circuits and Systems Engineering, Body Sensor Networks, Haptics, Virtual Reality, Microwave Engineering, non-Hermitian physics

Career path after graduation

Examples /

Total number of SSP graduates: 212 (As of May, 2023)

Research institutions, etc. (including universities): 147 Company position: 42

Professorship: 56

CHINA 🇨🇳

- Beihang University
- Beijing Normal University
- Chinese Academy of Science
- Chongqing University of Posts and Telecommunications
- Dalian University of Technology
- Fudan University
- Guizhou Normal University
- Guangzhou University
- Harbin Institute of Technology
- Harbin Normal University
- Hubei University of Chinese Medicine
- Jingnan University
- Jilin University
- Jimei University
- Kunming University of Science and Technology

- Lanzhou University
- Northeast Agricultural University
- Ocean University of China
- Renmin University of China
- Shaanxi Normal University
- Shenyang Pharmaceutical University
- Shenyang University
- Shenyang University of Technology
- Soochow University
- Southwest Jiaotong University
- Westlake University
- Xiamen University of Technology
- Yanshan University
- Zhejiang University
- Zhejiang University of Technology

JAPAN 🇯🇵

- Kochi University of Technology
- The University of Electro-Communications
- Okayama University
- The University of Tokyo

MONGOLIA 🇲🇳

- Mongolian University of Science and Technology

BANGLADESH 🇬🇧

- University of Rajshahi
- Bangladesh Agricultural University

Graduate's Voice!



Dr.
LIU Feng

Professor
School of Public Administration
Southwest Jiaotong University, China
Graduation year: 2009

My three years at KUT is the best memory of my school life, and I am very happy to share with all the candidates.

After graduating with a master's degree in engineering, it was a great challenge to me to pursue a doctorate in management in KUT. However, I obtained my doctoral degree with excellent grades under the guidance of my great supervisor Professor Makoto Hirano. I also received the Terada Award. Professor Hirano is an outstanding scholar for his first-class academic level, global vision, diligent and hard-working spirit. Till now, more than ten years after graduation, he has always been the light of my life and work. KUT professors have also continued to provide me with academic support after I returned to work in China.

My insights and methodology on rural revitalization were all learned at KUT, which supported my research and practice in China's booming rural revitalization. I am also mentoring international students from different countries now, and what I am doing is what KUT has taught me. I miss KUT so much.



Dr.
Anuwat Attachaiyawuth

Assistant Professor
Head of Civil Engineering Department
Faculty of Engineering at Sriracha
Kasetsart University, Thailand
Graduation year: 2015

Kochi University of Technology (KUT) provided me with invaluable experiences such as academic and research skills, fantastic Japanese cultural events, and very pleasant friends. The university is located in an amazing location by a river, surrounded by mountains, and not too far from the city's center. My Ph.D. journey began in 2012, with some challenges due to unfamiliar surroundings. However, with the support of my supervisor, Professor Masahiro Ouchi, friends, and KUT staff members, eventually, I was able to achieve my goals. KUT is well-equipped with tools to help students succeed, especially when it comes to the area of research. KUT has world-class professors in various fields of research with extremely high-tech tools and machinery. Graduation from KUT does not mean the end of relationships. KUT offers a "Follow-up Research Program for Former SSP Students" every year, which strengthens both the former students and KUT. Without hesitation, I strongly recommend anyone interested in studying in Japan to apply to KUT. Best wishes to KUT, and I hope you become the University of Sustainability that enhances the world.



高知工科大学
KOCHI UNIVERSITY OF TECHNOLOGY

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