



Shizuoka University

Faculty of Engineering / Graduate School of
Integrated Science and Technology,
Department of Engineering,



Department of
Mechanical
Engineering



Department of
Electrical and
Electronic Engineering



Department of
Applied Chemistry and
Biochemical Engineering



Department of
Electronics and
Materials Science



Department of Mathematical and
Systems Engineering



Management of
Business Development

Freedom
and
Enlightenment





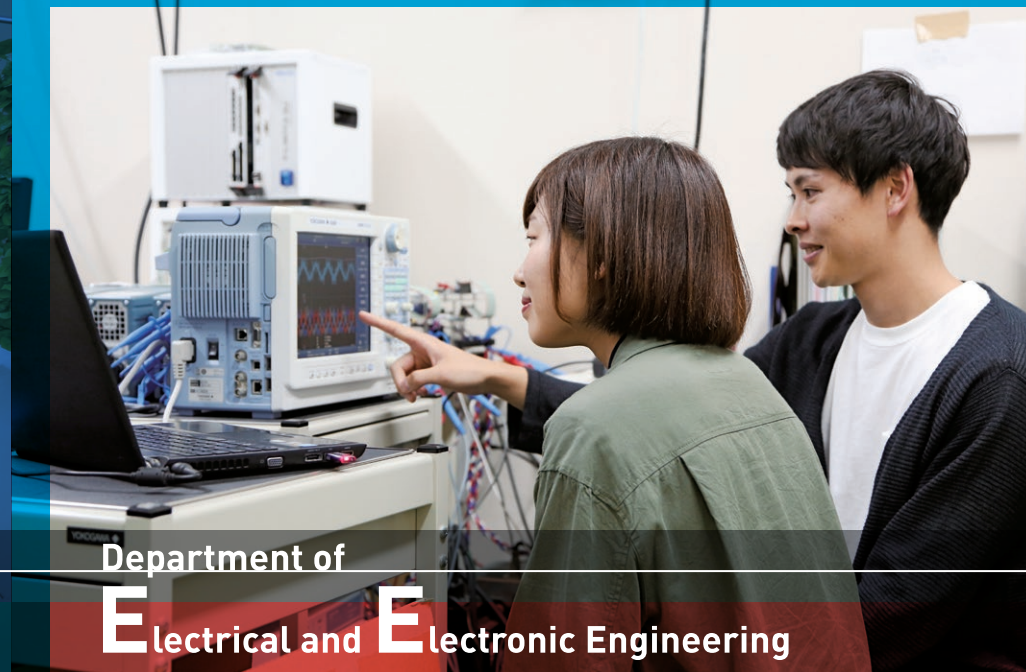
Department of Mechanical Engineering

Outline

Mechanical engineering is a fundamental science that aids in developing novel and useful machines, instruments, and processes that secure the safety and comfort of our daily lives. Despite the fact that Mechanical engineering is one of the oldest branches of engineering, it has seen much innovation in a new age and it serves as a foundation for various industrial fields such as mechanics, electronics, optics, robotics, vehicle and transportation systems, aerospace engineering and chemical engineering. In our department, we look forward the future industrial development and train skilled engineers who can help shape the future of their respective fields.

Education

Our department produces engineers with excellent knowledge and technical skills in mechanical engineering along with a strong sense of social responsibility. For this purpose, we aim to educate our students with a greater emphasis on the following skills and abilities: communication skills, versatile thinking, engineering ethics, knowledge of mathematics and natural science, the ability to use the design skills, and modern engineering tools necessary for engineering practice. Our department offers three courses: (1) aerospace and environmental engineering, (2) intelligent processing and materials engineering, and (3) opto-electronics and precision engineering. Students spend first two years studying basic subjects and then select the course of their interest for specialized trainings. Our department has been cooperating closely with the Japan Aerospace Exploration Agency (JAXA) in high quality research and education since 2005.



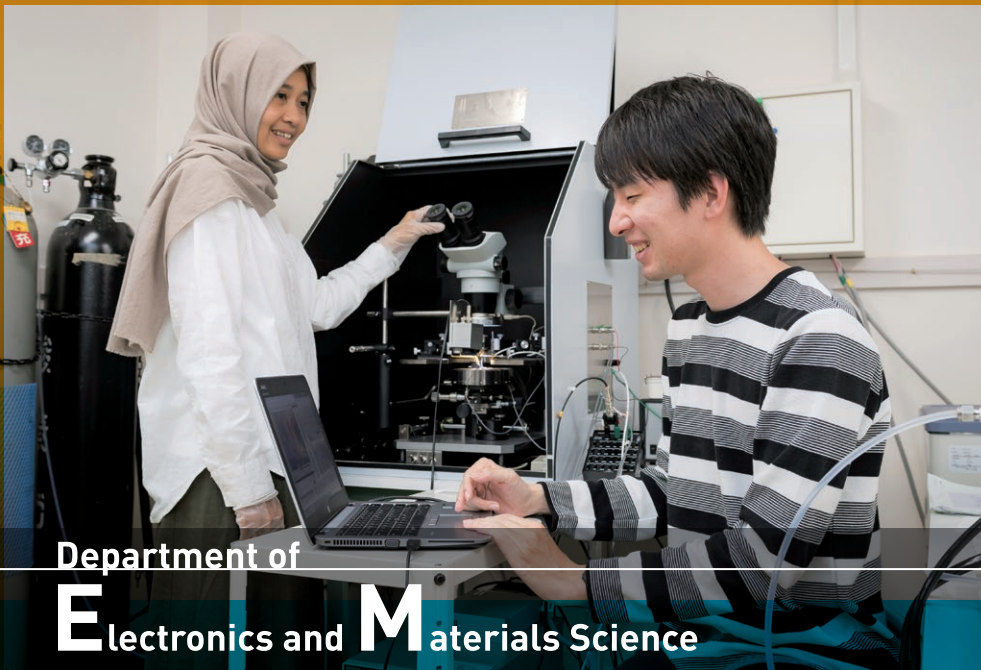
Department of Electrical and Electronic Engineering

Outline

Electrical and Electronic engineering forms the basis of a broad spectrum of industrial fields, including electrical and electronic equipment, automobiles, communications, electrical power, aerospace devices, medical devices, and so on. The Department of Electrical and Electronic Engineering conducts education and research in various fields of academia and engineering. Our aim is to educate engineers who are specialized at finding solutions to wide ranging issues in electrical, electronic, and information engineering.

Education

Our curriculum is divided into two separate tracks: Information Electronics, and Energy and Electronic Control. Once they have enrolled, students first study electric circuits, electromagnetism, electronic circuits, information and computers, programming, and other fields that are necessary in preparation for studying electrical and electronic engineering. Starting from their second year, students then branch into more specialized classes tailored to their specific curriculum. Our educational approach heavily emphasizes creativity and the craftsmanship aspect of manufacturing. Our department is involved in joint research with many companies, providing numerous opportunities for students to experience realistic research and development closely tied to actual product development. After graduating from university, about 60% of our students go on to graduate school to add specialized capabilities through master's courses. Companies in Tokai region as well as those from all over Japan, look on graduates and master's-degree students in these fields as skilled and accomplished human resources who will lead industry forward into the future.



Department of **E**lectronics and **M**aterials Science

Outline

In the field of electronic devices and materials science, innovative new technologies have been developed to improve the quality of life and the products of industry. LED lighting systems, nanodevices for electronics applications, high-efficiency solar cells and low-fuel-consumption cars, and many other science and technologies. Based on physical electronics and materials chemistry, our department offers practical and basic education aiming directly at the development of various advanced materials, electronic and energy devices, including nanomaterials and nanodevices. For such purposes, we aim to train many talented researchers and engineers who can work at the frontiers of science and technology and may help push them further.

Education

In addition to the basic study of electronics and chemistry, students thoroughly learn solid-state physics, materials science, and electromagnetics as well. We aim to train talented researchers and engineers with a base knowledge of electronic devices and materials science that will transform into the ability to create novel energy-efficient devices from a global view-point. We have two courses: (1) Electronics and Devices and (2) Materials Science and Engineering. After one year of general subjects, students can choose one of the two courses, where they learn both basic and specialized knowledge concerning their fields.



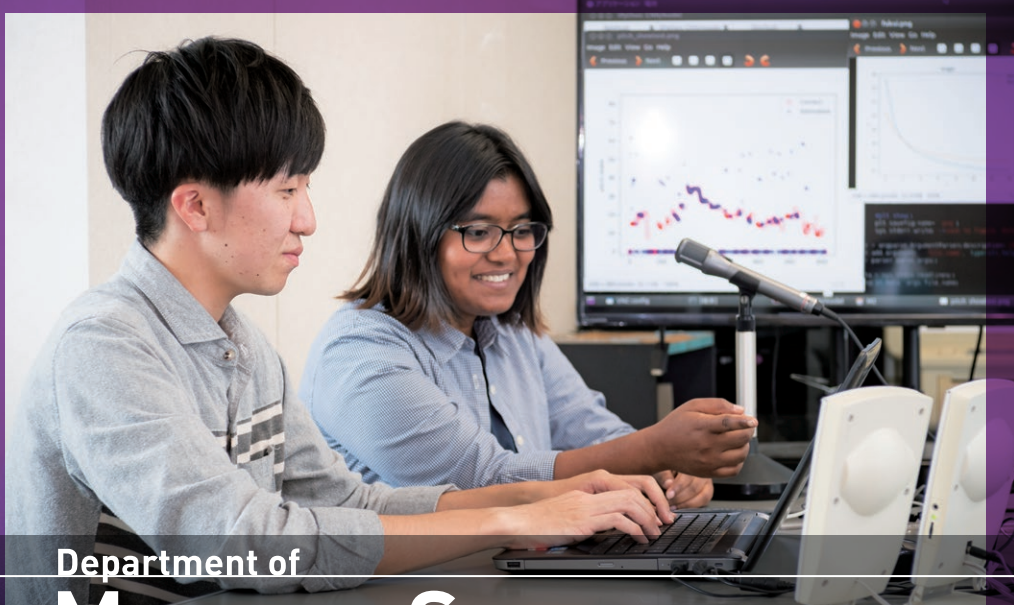
Department of **A**ppplied Chemistry and **B**iochemical Engineering

Outline

The department consists of two courses, the course of Applied Chemistry and the course of Chemical and Bioengineering. These chemistry-based courses include basic chemistry, bioengineering, environmental chemistry, fine chemical production, and process systems engineering. It also includes green chemical biology for a low-carbon society that embraces recycling. These two courses together provide a high standard of education and research to achieve new developments for industrial applications with chemistry and bioengineering as a foundation.

Education

Undergraduate education in these two courses covers environmental chemistry and chemical systems for the creation of environment-conscious products, and a study fusing applied chemistry and biochemical engineering for developing manufacturing technologies based on biological materials. These courses aim to foster the student's ability to take the lead in future society through studying technological applications for research and development, as well as system architecture, based on Chemistry. The first year provides a common curriculum devoted to the acquisition of fundamental skills (e.g., mathematics, physics, and basic chemistry), which are required for later study of applied chemistry and biochemical engineering. Laboratory work and exercises are introduced in each course in the second and third years to strengthen the student's expertise. Students acquire more specialized knowledge and skills in the fourth year through seminars and leading-edge research in active laboratories.



Department of Mathematical and Systems Engineering

Outline

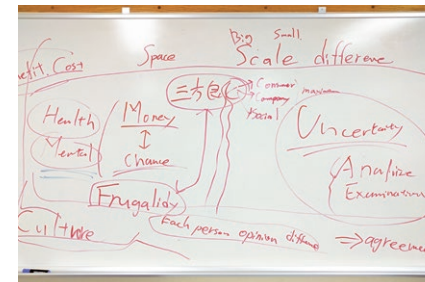
Due to the fast growth of information systems, the demand for engineers who can develop both human and environment friendly computer systems also rapidly grows in many fields, such as manufacturing, service, and communication. In addition, issues of protecting the global environment and realizing the safety and security of our society become more important as well. We aim to educate independently-minded systems engineers, contributing to the harmony between the natural environment and the human society.

Education

We offer an educational program consisting of mathematical science and information science, which form the base of systems engineering. Subjects in the former field include mathematical modeling, simulation methods, numerical calculation, and mathematical optimization. On the other hand, subjects in the latter field contain programming, algorithms, computer networks, and computer architecture. To help students to develop necessary skills for creating optimal systems that are both human and environment friendly, we apply the learned knowledge in the basics to the field of environmental science and engineering. Application subjects in this field include environmental systems engineering and environmental design. We also introduce group-based learning such as applied practice of systems engineering and programming contests, aiming at developing students' presentation and communications skills, learning and research abilities, and creativity.



Management of Business Development



Outline

This course is basically designed for businesspeople, engineers and entrepreneurs. We aim to develop students' capability of management, and for playing an active part in creating new businesses. Students will tackle realistic problems by combining the 'Management of Technology' way-of-thinking in academia with their engineering skills in industries, mainly based in Hamamatsu.

Education

While holding regular jobs, students can study on campus in the evening on weekdays or during the day on the weekend. As a result, we offer both weekdays and weekend classes. For graduation, it is necessary to independently and purposefully find and figure out a relevant problem, for the course aims at training people engaged in creating new businesses and further improving regional values.

How to Apply

Undergraduates

The Faculty of Engineering contains five departments; each of them has specific requirements for eligibility and subjects on their examination (conducted in Japanese only). Applicants should check the admission guidelines online (available in Japanese and English) and confirm the requirements prior to their applications.

Asia Bridge Program (ABP) students

Only potential students from the following five countries are eligible: India, Thailand, Indonesia, Myanmar and Vietnam.



<http://www.abp.icsu.shizuoka.ac.jp/eng/undergraduate/admissions/>

Graduates

The Graduate School of Engineering contains six departments offering courses in English; each of them has specific requirements for eligibility and subjects on their examination (conducted in English). Applicants should check the admission guidelines online (available in English) and confirm the requirements prior to their applications.

Asia Bridge Program (ABP) students

Only potential students from the following sixteen countries and regions are eligible: Sri Lanka, Nepal, India, Thailand, Laos, Malaysia, Mongolia, Bangladesh, China, Indonesia, Korea, Singapore, Philippines, Myanmar, Vietnam and Taiwan.



<http://www.abp.icsu.shizuoka.ac.jp/eng/master/admissions/>

* Asia Bridge Program (ABP)

ABP is a unique industry-academia collaborative program that offers an undergraduate program in Japanese and a graduate program in English. ABP provides all students with financial aid. In addition to exemption from the application and enrollment fees, it waives the tuition of the first year. For more details, please visit: <http://www.abp.icsu.shizuoka.ac.jp/eng/>

International Students

Japanese-based course for international students via special admission is also offered.



<http://www.shizuoka.ac.jp/nyushi/>
私費外国人留学生入試

International Students

English-based course for international students



<http://www.shizuoka.ac.jp/english/subject/graduate/stg/index.html>

Japanese-based course for international students via special admission is also offered.



<http://www.shizuoka.ac.jp/admission/index.html#a02>
工学専攻外国人留学生入試

Research students

A person who has completed an undergraduate course or has completed the educational equivalent of an undergraduate course may be admitted. To become a research student, one has to find an academic supervisor and get permission to study in his/her office or laboratory. Research students conduct independent research under the guidance of their academic supervisors. The period of attendance is between six months and one year. No degree is conferred.



Tuition

Undergraduate Students

(As of August, 2019)

	Application Fee	Enrollment Fee	Tuition	
ABP students	Waived	Waived	1st year Waived (100%)	2nd-4th year Waived (50% or 100%)
International students	17,000 JPY	282,000 JPY	535,800 JPY / year	

Graduate Students

	Application Fee	Enrollment Fee	Tuition	
ABP students	Waived	Waived	1st year Waived (100%)	2nd year Waived (50% or 100%)
International students	30,000 JPY	282,000 JPY	535,800 JPY / year	

Research Students

Application Fee	Enrollment Fee	Tuition
9,800 JPY	84,600 JPY	29,700 JPY / month x approved research period

*The table shows the tuition and other fees from 2019. The exact amounts are subject to change without notice.



<http://www.abp.icsu.shizuoka.ac.jp/eng/schoollife/scholarship/>

Scholarships

Various governmental agencies and organizations offer scholarships for international students. Many of them are applicable only after the students have enrolled at a university in Japan. Shizuoka University also has its own financial aid program for international students.



<http://www.icsu.shizuoka.ac.jp/english/0301.htm>

Living expenses

Monthly cost: Accommodation: 5,900 - 30,000 JPY. Dining expenses: 30,000+ JPY.

International Residence

Brandnew dorm buildings completed in March 2016. / Five students per unit. / Shared spacious living room and kitchen with two showers and bathrooms.

- Name: Hamamatsu International Residence Building 2
- Address: 3221, Shijimizuka, Nakaku, Hamamatsu, 4328018
- Specification: 5 floors
- Distance to Hamamatsu Campus: 10 min by bicycle, 30 min on foot
- Unit Type: Furnished; Five residents per unit
- Monthly Cost: Rent 20,000 JPY plus management fee



<http://www.abp.icsu.shizuoka.ac.jp/eng/schoollife/dormitory/>



Career Support and Employment

Career support information

At Career Support Office and Hamamatsu Student Support Section, resources such as job posting information particularly for Shizuoka University students can be freely accessed. Career advising by counselor, preparation for interview and resume review services are also available.

For more details about our support, please visit the website below.
Career Support Office website <http://www.shizuoka.ac.jp/english/career/index.html> (the following additional information is available)

- Jobs posting information
- Internship information
- Guidance program
- Counseling schedule, appointment
- Introduction of career counselors
- Employment information
- Resources



<http://www.shizuoka.ac.jp/english/career/index.html>
(Inquire form in English available)

Internship

An internship is a work experience in a company or public office related to students' field of study or future career. This is a valuable opportunity for students to be able to work practically in a company and in the society. Shizuoka University recommends students to participate in internships for thinking about "working" and determining their future goals.

For more details about internship, please visit the website below.
Internship website <http://www.shizuoka.ac.jp/english/career/index.html> (the following additional information is available)

- Internship information for students
- Registration of hosting company and organization

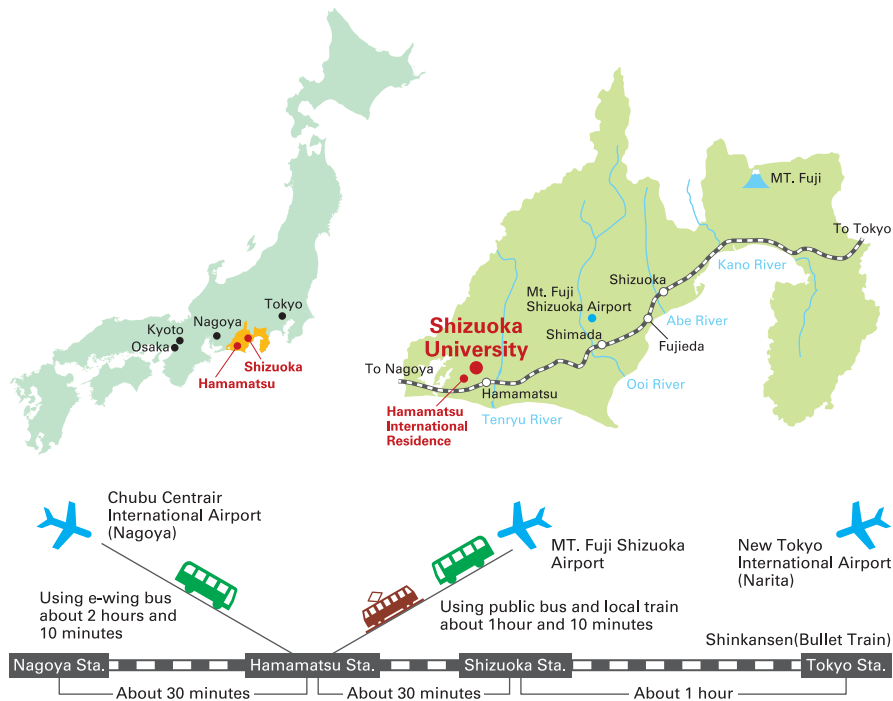
Representative employments after graduation

ADVICS CO., LTD.	Mitsubishi Chemical Engineering Corporation	TOYOTA MOTOR CORPORATION
ALPS ALPINE CO., LTD.	NISSAN MOTOR CO., LTD.	The Dow Chemical Company
Alibaba.com Japan Co., Ltd.	Nanjing University of Science and Technology	The University of Tokyo
Asahi Denso Co., Ltd.	Paloma Co., Ltd.	Tianjin Polytechnic University
Central Japan International Airport Co., Ltd.	Panasonic Corporation	Toshiba Carrier Corporation
Chuo Hatsumei Institute Co., Ltd.	ROHM Co., Ltd.	University of Malaya
Daikin Industries, Ltd.	Renesas Electronics Corporation	YAMAHA MOTOR ELECTRONICS CO., LTD.
FUJITSU LIMITED	SUZUKI MOTOR CORPORATION	YATARO
Futaba Industrial Co. Ltd.	Sebelas Maret University	Yamaha Motor Co., Ltd.
Indonesia University of education	Sharp Corporation	Zhengzhou University of Light Industry
Johnson Controls-Hitachi Air Conditioning	Shizuoka University	
KYOCERA Corporation	Sony Global Manufacturing & Operations Corporation	

Snapshots of campus facilities

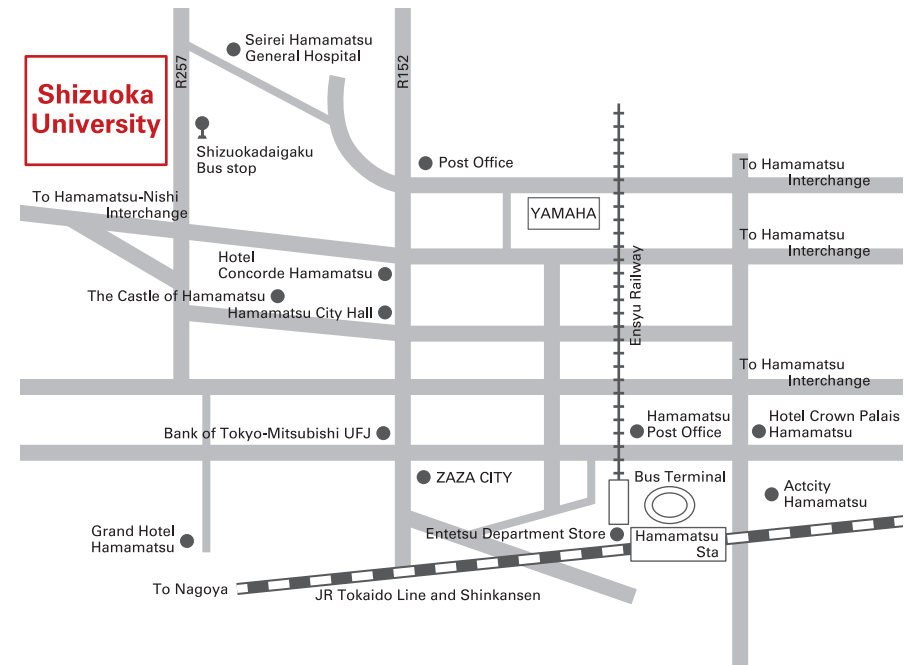


▶ Location and transportation from airports



▶ Transportation from Hamamatsu station

Board any bus from Bus Stop No. 15 or 16, North Exit Bus Terminal, JR Tokai Hamamatsu Station. Get off at Shizuoka Daigaku Bus Stop. (approx. 20 min., approx. 10 departures/hour)



Shizuoka University

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<http://www.eng.shizuoka.ac.jp/en/>

