"Creating things" to think about the mechanisms useful for society,"Making things" to shape it. A value chain generated by the challenge for creation produces innovative technologies useful to society.

"Science" explores the essence of material things, and based on that knowledge "Engineering" and "Informatics" aims at creating "material things" that are useful for human life.

Students create the future for people and the earth on campuses surrounded by nature.

Pour effort into research, sharpen the senses and study how to learn.

We cultivate comprehensive "expertise" and "human skills", nurturing the skills to contribute to society.

Please take a close look at the university that continues to evolve as a science and engineering university.

Shizuoka Institute of Science and Technology President

Hiroshi Noguchi

Learning program with research as the core

Create opportunities

Businesses
Government
Community

Offer knowledge

University
(expertise)

Provide experiences

Self-directed
learning space

Societal participation

Students

Human skills

Through valuable experiences with research as the core, we foster human skills that are actually useful in the real world.

This is what we consider "the power of research."
International Exchange Center

With the advancement of globalization, we established the International Exchange Center in 2013. In addition to accepting international students, we aim to promote student and faculty interests in international culture and academia and to stimulate education and research.

Role of the International Exchange Center

- Promote exchanges with overseas universities/educational research institutes
- Exchange between international students and our students
- Support the improvement of acceptance system for international students and of living environment
- Consideration, planning, and management of projects for promoting international exchange of students, faculty and staff members
- Surveys and information collection contributing to the university’s international exchange promotion

Overseas University Agreement

Shizuoka Institute of Science and Technology has agreed to carry out student exchanges and joint programs with universities in China, Taiwan, South Korea and Brazil.

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of participating schools</th>
</tr>
</thead>
</table>
| China    | Zhejiang Gongshang University - Zhejiang Sci-Tech University  
Zhejiang University of Science and Technology - China Jiliang University  
Luyang Institute of Science and Technology - Zhejiang Yuefu University of Foreign Languages  
Jiangsu University - Nanfong University |
| Taiwan   | National Kaohsiung University of Applied Sciences  
South Taiwan University of Science and Technology  
National Pingtung University of Science and Technology - S1. John’s University |
| South Korea | Daegu University・Kookmin University |
| Brazil   | ITA (Instituto Tecnológico de Aeronáutica) |

Foreign students

We accept international students in the undergraduate and graduate school. In addition to a tuition reduction and exemption system for international students, we also provide various scholarships. Male students are introduced to student dormitories (10,500 yen per month), and female students are referred to neighboring apartments so students are able to concentrate on studying.

We also hold annual student exchange events, which includes Nagashi Somen (a dish of cold noodles flowing down an open bamboo tube that you must catch with chopsticks) tea ceremony experience, barbecue, autumn leaf hunting and a Christmas party, as well as a yearly international student Japanese and English speech contest.

<table>
<thead>
<tr>
<th>Country of citizenship</th>
<th>Undergraduate</th>
<th>Undergraduate research students</th>
<th>Graduate students</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>12</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Vietnam</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>South Korea</td>
<td>2</td>
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<td>Nepal</td>
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<tr>
<td>Sri Lanka</td>
<td>1</td>
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</tr>
</tbody>
</table>
Faculty of Science and Technology

Department of Mechanical Engineering

Aerospace Engineering Course
Robotics Engineering Course
Automotive Engineering Course

We train technicians that support manufacturing industries such as aircraft, robotics, and automobiles, which society demands. They learn the practical process of design, analysis, production, and evaluation by understanding the four mechanics that are the foundation of mechanical engineering—material dynamics, fluid dynamics, thermodynamics, and mechanics—as well as processing and materials.

Aerospace Engineering Course

In addition to basic knowledge of general mechanical engineering, students learn information and technology specializing in aviation engineering in lecture subjects such as structural dynamics and prime movers, as well as practical subjects such as aviation engineering design drawing/aero-engineering experiment, etc. We train engineers who are skilled in the areas of aircraft and transportation equipment industries.

Robotics Engineering Course

The field of robots and mechatronics has developed dramatically by the progress of computers and electronic technologies, and its evolution never stops. We train design and production engineers for robots and various assistive devices that play active parts in the future IT society and high-welfare society, and for mechatronics-related engineers of various machines.

Automotive Engineering Course

In Shizuoka Prefecture, transportation equipment industries, such as the automobile industry, are popular, and demand is very high for mechanical engineers who can design and develop. We train design and development engineers who can fully respond to such demands from the region.
Students will learn communication and control technology as well as technologies to reliably create and carry electricity that are essential for robots, electric cars, smart phones, tablets and more. In education that emphasizes the process rather than the result, we nurture the ability to "think and act on your own" that is essential to engineers.

Control / System Field

Students learn basic knowledge for designing robots, such as power suits and EV that is conscious of automatic driving and safety, as well as for designing welfare and medical equipment, by utilising microcomputer and electronic control circuits. Students will gain skills for designing electronic control systems for a prosperous society in the future, and for designing electronic circuits and control programs.

Power / Energy Field

Students learn the basic knowledge for electrical equipment/systems such as electric energy supply systems and electric equipment, including power generation, transmission and distribution of power, which consists of new energy systems, power electronics equipment, electric power application systems and more. It is an essential course for electric chief engineer qualification certification (DENKEN: electric exam).

Information / Communication Field

Students acquire hardware and software knowledge and technology skills for understanding the mechanism of microprocessors, sensing devices, signal processing devices and electronic circuits supported by recent information communication machines and information communication systems applied by a combination of these devices.

Electronic / Optical Applications Field

Students learn the structure and operation principles of light-related electronic devices such as light-emitting and receiving diodes and semiconductor lasers, and energy devices such as solar cells in addition to integrated circuits and sensor circuits, and acquire knowledge of these applied techniques.
Bio / Food Science Course

In the Bio-Food Science Course, students use approaches from the atomic, molecular and genetic levels of life. In order to learn broad topics, such as environmentally friendly synthesis methods and substances that control biological reactions, substances related to food safety, production of useful substances that utilize the power of life, environmental purification by microorganisms, and other topics, students specialize in learning subjects such as organic chemistry, biochemistry, food science, biotechnology, microbiology and more, and acquire applied skills for comprehensively looking at life, living and the environment.

Environment / New Materials Science Course

The Environment and New Materials Science Course offers basic education on various substances in our living environment and an educational program that is conscious of the role of these materials in environmental problems. In order to build a firm foundation upon which to observe substances, students learn about chemical and physical thinking and measurement techniques. This course also offers students the chance to learn professionally about semiconductors, dielectrics, magnetic materials, catalytic materials, polymeric materials, etc. within many applied fields.
Architectural Course

Architectural Design / Planning Field
Architectural Structure / Materials Field
Building Environment / Equipment Field

By learning design, environment and structure equally, students acquire the fundamentals of architecture and develop them into specialized knowledge and technological skills. With Shizuoka prefecture as a teaching location, students gain skills in creative thinking and judgment by cross-referencing the scales from architecture, the city and the region and will be trained to be engineers who can respond with a global perspective.

Architectural Design / Planning Field

Students aim to acquire the knowledge and skills for planning and design. In order to create good architecture, students must understand the required functions, calculate the spatial scale corresponding to it and learn the drawing methods and presentation techniques for expressing design plans in drawings. This is not limited to designing single buildings, but also includes town and urban planning.

Architectural Structure / Materials Field

Students learn the foundation and applied knowledge of the structure of buildings that protect human life and property from earthquakes, tsunamis, typhoons and other natural disasters, and acquire the skills to solve problems in building structures that can be applied in the design and construction of buildings.

Building Environment / Equipment Field

In order for people to live happily and comfortably in their neighborhood and architectural space, students aim to explore the necessary requirements from the viewpoint of the building environment. Students understand the natural light and heat mechanism of solar energy and the flow of air, and learn about the shape of buildings, how to set them up and how to build buildings for comfortable living. Students also learn energy problems in the architectural field that affect the regional and the global environment.
Faculty of Informatics

Department of Computer Science

Software Field
Security / Network Field
Information Mathematics Field

Students learn specialized skills in information mathematics and computer expertise, exploring new technologies that will support future society with IT including AI, big data analysis, networks, security, embedded software and more.

Software Field

In order to develop software from the database stage all the way to implementation in the final system, including robots and smart phones, students deeply learn the whole program from principle to application. The aim is to become information technology engineers who can design and develop software, design information systems, build information networks and produce and build IoT.

Security / Network Field

In order to acquire the ability to develop and build information security and information network systems, students comprehensively learn about software, data, network security, SNS, cloud networks and more. Based on software design and development, students aim to become information processing engineers who can construct, operate, maintain and manage information systems and networks and who can create and build large-scale systems like IoT.

Information Mathematics Field

In order to acquire the ability to utilize data science for the advancement of information processing, students learn mathematics in related fields, such as information mathematics, that support overall computer systems in principle.

Students aim to become information-processing engineers who use fundamental theories and information mathematics of computer science programs to design and develop software, design and build information networks and plan and produce IoT.

By taking a teaching course, students can open the way to become high school teachers (in information and mathematics topics).
Faculty of Informatics

Department of Information Design

Digital Art / Media Design Field
Psychology / Brain/Life Information Field
Management / Social Systems Field

Not only focusing on scientific academic fields like life science and IT, students can apply methods to collect and analyze information utilizing IT in various fields such as psychology, sports design, management and sociology. By expanding the possibilities for these fields, students are supported to become people who can solve social problems.

Digital Art / Media Design Field

In order to acquire the ability to design and express using computers, students learn advanced usage technology, artistic expressions and techniques of application software related to various images and shaping, etc. Utilizing ICT and aesthetic knowledge of human sensibility, students are trained to become designers who can produce digital art and media for commercialization.

Psychology / Brain / Life Information Field

In order to acquire the ability to utilize human sensibility in industries and daily lives, students learn how to use advanced application technology of application software (especially statistics and simulation) and information processing mechanisms, such as human brain function, psychology and behavior. Students are supported to become planners capable of product development based on scientific knowledge of human sensitivity and to become people capable of collecting and analyzing human data and participating in planning by utilizing ICT.

Management / Social Systems Field

In order to acquire the ability to plan businesses, and organize community development, social contribution activities, etc., students learn about advanced application technology of application software (especially database and statistics), user and consumer trends and business management. Utilizing ICT and the scientific knowledge concerning business management and social value trends, students aim to become market researchers and business planners responsible for expanding projects and to become information system planners who can support others with the development and promotion of ICT strategies.
Graduate School

School of Science and Technology

Department of Systems Engineering
Department of Materials Science

Through advanced education and research in science and technology and in order to contribute to the development of a wide range of human cultures, students receive accurate knowledge on a broad range of subjects and are trained to have advanced professional abilities that require research capabilities in a specific field or highly specialized expertise.

Department of Systems Engineering

Mechanical Engineering Course
Electrical and Electronic Engineering Course
Informatics Course

With an emphasis on understanding the basics in the fields of mechanical engineering, electric and electronic engineering, and informatics, students are trained to gain practical skills including systems thinking. Students acquire expertise (comprehensive strength) with a broader perspective and are trained to become practical engineers who can act logically and actively.

Department of Materials Science

With an emphasis on understanding and developing practical skills in the basics in the fields of environmental materials and biofood chemistry, students are trained to have a comprehensive understanding, from the fundamentals to the application of materials science, and are trained to become practical scientists and engineers who can act logically and actively.
Campus map

Education building
1st floor Book Center, 2nd Floor Career Support Room, Education Development Center, Teaching Certificate Support Office, 5th Floor Information Center, Future Creation Studio

Education Building 4th Floor Library
The library has developed materials, equipment, and a service system to “learn, study and enjoy.” It aims to be an information center for the 21st century. In addition to books and magazines, it contains audiovisual materials such as CDs and DVDs and electronic materials such as electronic journals and databases.

Architecture department building
With an enriched environment of featuring a design studio, CAD room, model-making room, review room and more, the building itself is designed to be “active teaching material” and the spaces are built for students to comprehensively experience a wide range of features, including design, spatial composition and comfort.

Field

Education building

Education building 4th floor Library

Architecture department building

Tennis court

Airplane shop

Bus stop

Administration building

Research laboratory building

Advanced instrument analysis center

“Yaramaika” Education site

Student hall
This is a place for student engagement, enriched with a large TV and a wireless network environment. Some students use this space between classes.

Student cafeteria “Sistaurant” / shop
All menu items are less than ¥500. A nutritionist offers food with nutritional balance.

Gymnasium
This is a place to be utilized for multiple purposes. Advance reservations are required. When not in use, anyone is free to use it.
Group School Introduction

Shizuoka Institute of Science and Technology Group supports mutual practices in the region while working together.

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http://www.starhill.ed.jp/jhs/

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17-1 Sagi-machi, Numazu City
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Hamamatsu Professional Training College of Information Technology
3-10-31 Chuo, Naka-ku, Hamamatsu City
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Hamamatsu Design College
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