



Graduate School
Graduate School of Business Administration and
Information Science (Master's Degree Course)

Faculty of Business Administration and Information Science
Department of Business and Information Systems

Business Design
Regional Business

Faculty of Business Administration and Information Science
Department of Systems and Informatics

Information Systems
Space Information

Faculty of Medical Informatics
Department of Medical Management and Informatics

Medical Management and Informatics
Clinical Engineering

Faculty of Information Media
Department of Information Media

Media Design
Media Technology

Faculty of Business Administration and Information Science
School of Distance Learning

Department of Management and Information Networks
Department of Systems and Informatics

MAP here



Campus:

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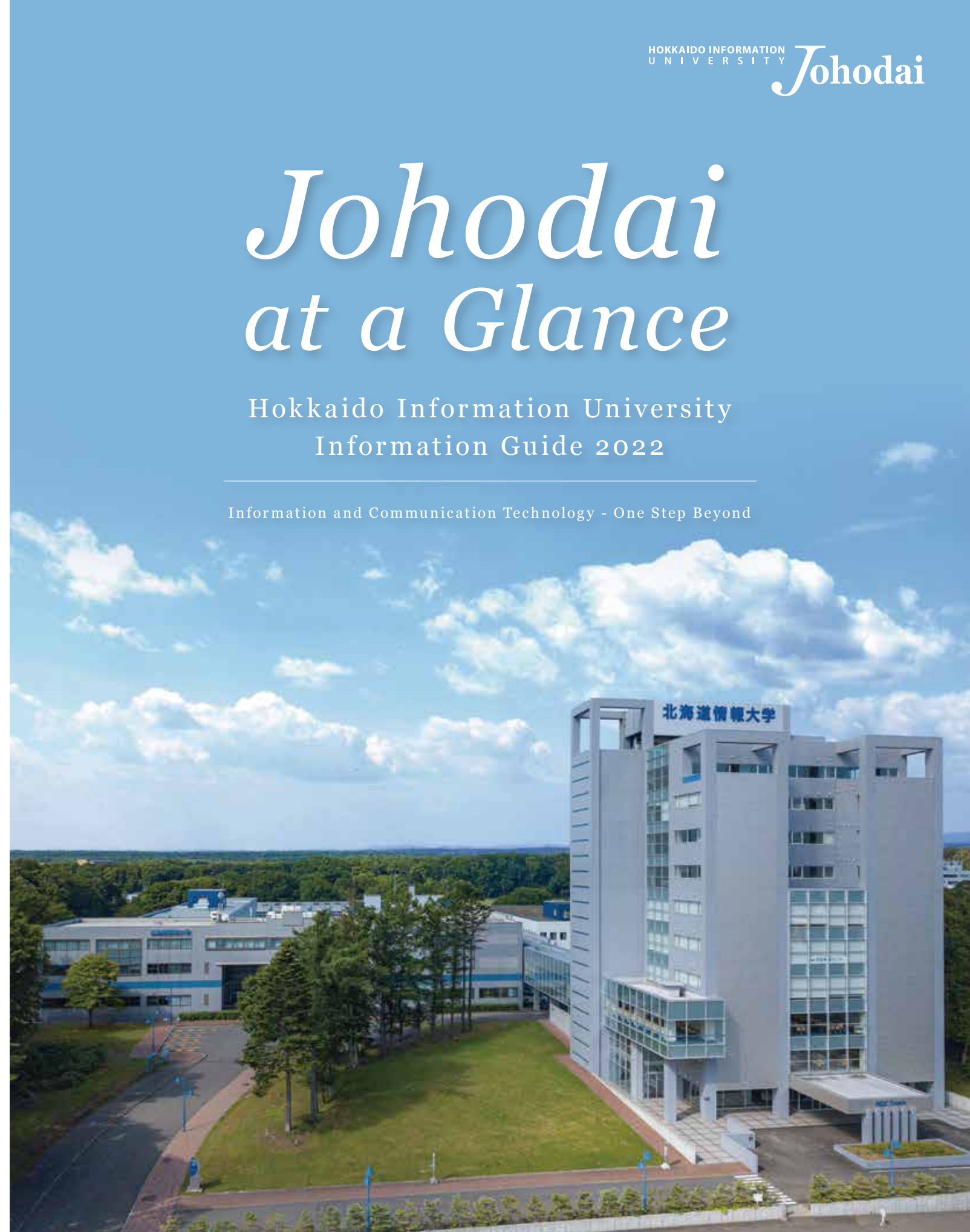
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Johodai at a Glance

Hokkaido Information University
Information Guide 2022

Information and Communication Technology - One Step Beyond



北海道情報大学

Providing ICT Skills to Help You Succeed “Make a Difference”

理事長 松尾 泰



**Chairman
Toru Matsuo**

After graduating from the Faculty of Economics at Keio University in Tokyo, Toru Matsuo worked at Arthur Andersen & Co., until becoming the representative director and president of Software Consultant Corporation (SCC) in 1993. He became a director of the Electronics Development Computer college (eDC) Group in December 1988, and has since contributed greatly to the development of Hokkaido Information University, playing a role in its foundation, as well as opening the School of Distance Learning and establishing the Graduate School. He became chairman of the eDC Group in September 1998.

Founding Principle

Hokkaido Information University was founded in 1989 by Dr. Saburo Matsuo, father of the current eDC Group president and a pioneer of information education in Japan, whose goal was to create a university with new academic fields for an information-oriented society.



Educational Aims

The goal of Hokkaido Information University (HIU) is to educate new generations of professionals capable of independently identifying and addressing problems using information and communication technologies (ICT) while developing an open mind, self-expression skills, and teamwork competence. To achieve this aim, HIU seeks students with sound scholastic ability, reasoning skills, and the motivation to both learn and be involved in extracurricular activities. This goal is reflected in our Diploma Policy, where six fundamental criteria, which are the core of the school's educational aims, are listed. Hokkaido Information University strives to graduate students who, by taking courses and engaging in extracurricular activities, will develop and value:

- A capacity for lifelong self-learning
- Advanced IT skills and expert knowledge to contribute to the development of an information society
- A deep sense of humanity, including international awareness and morals
- Solid communication, expression and presentation skills
- Skills to independently identify and solve problems using IT
- Wisdom to live by

Teaching and Learning Enhanced by Digital Technology



**President
Dr. Jun Nishihira**

After graduating from the Department of Medicine at Hokkaido University's School of Medicine in 1979, Dr. Nishihira worked as an intern at the United States Naval Hospital in Yokosuka, Japan, and as a lecturer in the Second Department of Internal Medicine at Hokkaido University's School of Medicine. In 1984, he became a post-doctoral fellow at the Bowman Gray School of Medicine at Wake Forest University, North Carolina. He worked as a lecturer at the Central Research Institute of Hokkaido University's School of Medicine from 1992, and engaged in research from 1998 as an associate professor in the Department of Molecular Chemistry at Hokkaido University's Graduate School of Medicine. Since 2006, he has served as a professor in the Department of Medical Management and Informatics at Hokkaido Information University, becoming vice president in April 2017, and then president in April 2021.



**Vice-President
Dr. Shigeto Watanabe**

Having completed his doctorate in science in the Graduate School of Science at Tohoku University in 1984, Dr. Watanabe became an associate professor in the Faculty of Science there in 1995. In 1998 he became a professor in Hokkaido University's Faculty of Science. He joined Hokkaido Information University as a professor in the Faculty of Business Administration and Information Science in 2014, and became professor emeritus at Hokkaido University in 2017. From 2017 to 2019 Dr. Watanabe served as chairman of the Society of Geomagnetism and Earth, Planetary and Space Sciences, and became vice-president at Hokkaido Information University in 2021.



Dean
Faculty of Business Administration
and Information Science
Prof. Satoru Myojin



Dean
Faculty of Medical Informatics
Dr. Toshiya Nishibe

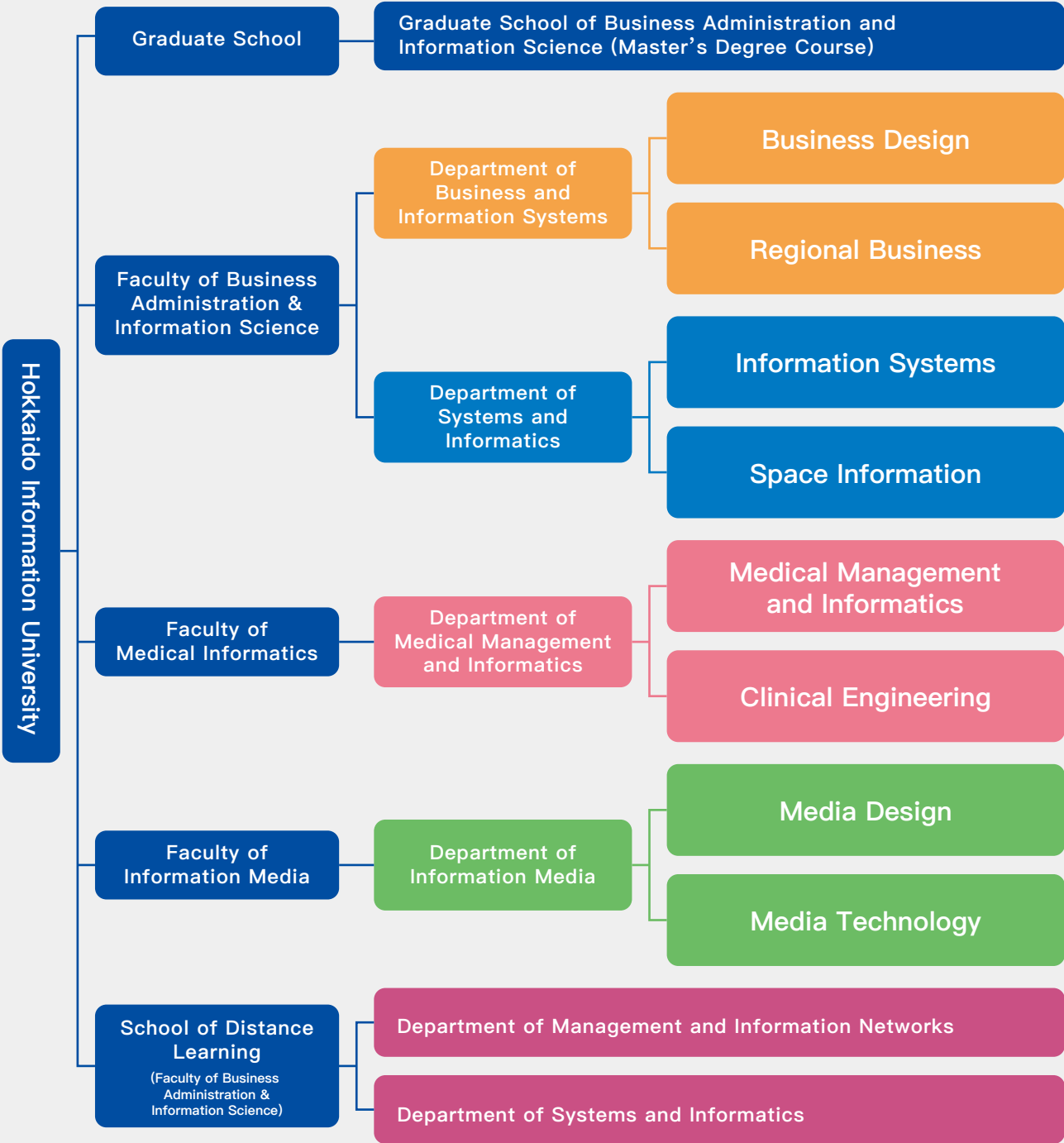


Dean
Faculty of Information Media
Dr. Shinya Matsui

University Goals

The dawn of the Information Age saw a proliferation of international information systems. With "Information" as part of our school name, HIU supports the next generation of information and communication technology professionals, promoting the value of internationalization, innovation, and a sense of humanity. Our nationally recognized School of Distance Learning provides learning opportunities for students across the country. Our goals as a university are to:

- train highly skilled information specialists
- provide access to any students wanting to learn, either on-campus or off-campus
- offer a liberal arts education that develops an international awareness and sense of humanity
- create and maintain regional collaboration between academia and industry



Curriculum Relevant to Industry

Hokkaido Information University (HIU) is a member of the Electronics Development Computer college (eDC) Group. The eDC Group is comprised of industrial, educational and research organizations. These include: Software Consultant Corporation (SCC), a software company that develops both business and educational software; Space Engineering Development Co., Ltd. (SED), which is at the forefront of space development activities in Japan; and Hokkaido Institute of Information Technology (HiIT), a research center involved with satellite-based communications networking and multimedia systems development. These organizations are characterized by the three domains of systems development, space development, and IT education. Because of its affiliation with these IT research-based organizations, HIU offers a curriculum and learning environment that encompass new technology and are relevant to industry.

Available Courses

The three faculties offer a total of twenty three specialist courses designed for the needs of people wishing to embark on careers in these areas, or those desiring to further refine already-acquired skills. The Department of Business and Information Systems offers two dedicated courses, focusing on developing abilities, identifying opportunities and exploring digital business. The sister Department of Systems and Informatics offers a further two courses which provide the next generation of software engineers and IT professionals with essential skills. The Department of Medical Management offers four specific information-based courses, including the well-received Clinical Engineering Course. The Department of Information Media covers a wide spectrum of topics including thirteen specialty courses, ranging from Graphic Design to Mobile Applications to Video & Animation. See the appropriate pages for further details.



Developing IT Skills

System infrastructure technology (networks, security, databases) is essential for information systems to deliver services. Our faculty are researchers of these technologies and include experts who can show students how to build tailored systems using basic information system technology. Other applied fields of study include AI, space information utilization, and CG/image processing.

Hands-on Learning

We know that skill doesn't come only from listening to explanations or reading textbooks. To that end, we offer a lot of hands-on practice with hardware and software to develop necessary IT skills.

Certification and Real-World Skills

Our practical training involves project-based learning (PBL), promoting independent learning and incorporating advice from outside experts. Lecture content covers Level 2 of the IT Skills Standard (equivalent to basic information engineer certification).

Information Systems Major

This major includes three discrete courses: AI, System Engineering and Network Security. Students gain the necessary expertise for each particular course, including data analysis, construction & monitoring of system networks, and extracting & processing information, amongst other useful skills.

Space Information Major

GPS and satellite imagery are used in everything from car navigation to smart phones to weather forecasting. The course offered under this major specializes in space information and communication technologies, and studies how they operate in a variety of familiar applications.



Skills for the Future of Business

The Business Design and Regional Business courses focus on producing business professionals with ICT proficiency. Classes review business administration, economics, accounting, and law. Launching businesses, building digital enterprises, and analyzing how management think and operate are also considered.

Technology-Supported Management Innovation

Students learn how IoT is changing the way home appliances are used, how FinTech is revolutionizing the way we use money (such as Bitcoin), and how robots and AI are increasingly becoming a part of our daily lives, from amusement to medicine to social welfare.

Solid foundations for specialized learning

Classes develop logical and critical thinking abilities, numerical processing skills and communication competency. International perspectives and case studies are also covered.

Business Design Major

This major explores how to create a new business in a consumer-driven market by utilizing new technologies such as AI (artificial intelligence). These skills are not only helpful to those wishing to start their own business, but are also sought after by employers.

Regional Business Major

This major considers opportunities and challenges relevant to business in Hokkaido, combining flexibility, innovation, and ICT to seek modern solutions toward revitalization of the region. Variables including population trends, changing birthrates and regional characteristics are considered.



Field-Oriented Learning by Doing

The department offers two main streams: media design and media technology. Theory is blended with practice. Our instructors include film directors, visual artists, web designers, and game programmers, amongst others. Students combine coursework that interests them, allowing them to become specialists who pursue one course deeply, or broaden their basic skill set from a wider array of courses.

VR/AR Course

The virtual world helps make the real world more understandable and enjoyable. This course covers basics on VR/AR creation and operation.

Mobile Application Course

Apps are a part of our daily lives now. This course focuses on how to create convenient and useful mobile apps.

Game Programming Course

This course lets students not only bring their game ideas to life, but teaches how to both program and debug them.

Internet Security Course

Personal information and important data abound on the Internet. Here, students learn how to make that data safe and secure in cyberspace.

Web Application Course

Social networking services are full of seasonally changing information. This course shows how to manage that information (data) efficiently.

Media Arts Course

Students learn how to plan and create extraordinary computer-based art, such as projection mapping.

Website Creation Course

It is hard to think of a world without websites. Here, students learn how to make captivating and useful webpages.

UI/UX Design Course

Easy-to-see and easy-to-use Web pages and smartphone apps come from good user interface and experience (UI/UX). This course investigates UI/UX.

Video and Animation Course

Students learn the principles of live-action images and animation, as well as a variety of production techniques.

Graphic Design Course

Graphic design requires more than just drawing skills. This course reviews how to use position, materials, and color schemes.

Illustration and Character Design

Students learn what it takes to create characters in games and movies, and to create illustrations for websites.

3DCG Course

3DCG is used in movies, games, medicine and architecture. Students learn the basics and applications.

Game Design Course

This course focuses on planning production techniques rather than technological aspects.

Capable Professionals

The Department of Medical Management and Informatics prepares students to become professionals capable of playing active roles in the international arena, with a special focus on medical care and health information.

ICT-Enhanced Medicine

The use of information/communication technology (ICT) is accelerating in the field of medicine and healthcare. We offer hands-on training with systems, equipment, and software that the medical field is increasingly demanding.

Next-Generation Clinical Engineers

As medical information management in the Information Age evolves, those who can deal with AI, IoT, and big data are increasingly in demand by the field of medicine workforce. We equip the next generation of clinical engineers with the knowledge and skills that employers need.

Medical Information Major

This major has three courses available: Medical Information Management, Health Information Science, and Medical Information Engineer. Students taking these courses learn how to analyze and report medical information both inside and outside of hospital settings, about the relationship between food and health, as well as about how computers and networks are used in hospitals and medicine-related companies.

Clinical Engineer Major

As medical equipment becomes more advanced, skilled clinical engineers are needed to keep devices running safely and effectively. In this hands-on major, students gain national qualifications in the use and maintenance of these devices.



Field specialists with next-generation expertise

Hokkaido Information University's Graduate School promotes the advancement of information studies through higher-level research. Students who earn 30 credits or more in two years are awarded a master's degree in Business Administration and Information Science.

No restrictions on age or nationality

Our graduate school welcomes not only recent undergraduates but also international students and those who already have workplace experience. In keeping with our Diploma Policy and Admission Policy, we seek intellectually curious people from a variety of cultural backgrounds who want to take their learning to a higher level.

Fields of Study

Three fields of study are offered to successful candidates:

Digital Business Management

This field develops practical and research skills for future leaders who understand the essentials of digital business, expanding students' ability to draw up business proposals and manage development projects.

System Design

This field considers the application of systems theory to product development through a curriculum based on practical experience with a variety of information technologies.

Creative Media

This field fosters expertise in media design and media content production by critically examining the role of new technology in its application to creative media environments.



“Follow Your Dreams”

A Place to Study and Make Friends

Located just 20 kilometers from Sapporo, Johodai is situated in Ebetsu, near three other universities. The campus is easily accessed by express bus, train, car or subway and local bus. The majority of students are from Hokkaido, but also come from as far away as Okinawa.



Social and Sports Events and Clubs

There are more than 46 student-run clubs and circles at HIU. These social groups are diverse, including a guitar circle, a desktop music group, an app development club, and a baseball team. Additionally, HIU hosts a university festival and an intermural sports carnival annually over two-day periods.



Embracing Mobile Technology

HIU promotes IT-based active mobile learning. To this end, it furnishes iPads or laptop computers to all students. Mobile learning not only enhances students' access to learning materials but also helps them develop a familiarity with technology that is essential to daily life in today's workforce.



International Programs

HIU maintains relations and agreements with 13 universities in 6 countries. Programs include student exchange, study abroad, language study, faculty exchange and collaborative research.

A Final Word

HIU's first President (1989~1998) Dr. Shigenori Kinoshita wrote, “いつも自分自身で考えてもらいたい” (Itsumo jibun jishin de kangaete moritai), which translates as “I want you to always think for yourselves”. Good advice indeed!