

Student Handbook

For Students Who Enrolled in 2020 Academic Year

Graduate School , Utsunomiya University
Graduate School of Regional Development and Creativity
Master's Program

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I . Graduate School of Regional Development and Creativity Overview

1. Division and Program [Academic Degree] research interest

○Division of Social Design (admission quota is 77)

- Graduate Program in Community Design Studies [Master of Arts]
- Graduate Program in Agricultural and Rural Economics [Master of Agriculture]
- Graduate Program in Architecture and Building Engineering [Master of Engineering]
- Graduate Program in Civil Engineering [Master of Engineering]
- Graduate Program in Irrigation, Drainage and Rural Engineering [Master of Agriculture]
- Graduate Program in Global and Area Studies [Master of Global Studies]
- Graduate Program in Multicultural Studies [Master of Arts]
- Graduate Program in Studies on Community and Human Development [Master of Arts]

○Division of Engineering & Agriculture (admission quota is 258)

- Graduate Program in Optical Engineering [Master of Optical Science and Engineering]
- Graduate Program in Molecular Agriculture [Master of Molecular Agriculture]
- Graduate Program in Material and Environmental Chemistry [Master of Engineering]
- Graduate Program in Agricultural Biological Chemistry [Master of Agriculture]
- Graduate Program in Mechanical and Intelligent Engineering [Master of Engineering]
- Graduate Program in Information, Electrical and Electronic Systems Engineering [Master of Engineering]
- Graduate Program in Agricultural and Environmental Sciences [Master of Agriculture]
- Graduate Program in Forest Production and Conservation [Master of Agriculture]

2. Philosophy and Objective of Graduate School of Regional Development and Creativity

Graduate School of Regional Development and Creativity (Master's Program) which has 2 Divisions: Division of Social Design (admission quota is 77) for creation of social design and Division of Engineering & Agriculture (admission quota is 258) for creation of innovation is established in April 2019, having organized a creative research environment which combines diverse range of curriculum exceeding a framework of previous 4 graduate schools and it is based on School of Regional Design (established in 2016 Academic Year) which aim is to resolve regional issues with integration of arts and sciences.

The philosophy of this graduate school is to “contribute to create sustainable and prosperous community” and cultivate proactive professionals equipped with advanced expert knowledge and engineering with regards to social design and innovation as well as interdisciplinary intellect and practical skills.

Based on the 3C Spirit (“Challenge” proactively, “Change” ourselves and “Contribution” to society) + 1 (Creation: creative thinking ability and practical skills), we develop fundamental and comprehensive vision, communication ability and the ability to take action, etc. which are required for the practice of advanced expert knowledge and engineering with regards to social design and innovation, interdisciplinary intellect and practical skills and multi-sector collaboration.

3. Region in Graduate School of Regional Development and Creativity

In this graduate school it is defined that “a region does not indicate a specific space or range with a unit of geographical and physical significance. It is set according to problem consciousness, having variable and diverse characteristics and composed in the connection relation of “local / national / regional / global.”

In specific, based on the assumption of community level, urban and regional, whole country and international level, we implement education and research targeting these broad field.

4. Division and Program Overview

<Division of Social Design >

The purpose is to train advanced professionals who can contribute to the design of software (community, social system, culture, policy, etc.) and hardware (building, national land conservation, environment, etc.) in relation to the community and to equip them with advanced expertise and skills on the social design from perspectives of “community planning (social system)”, “community planning (building, civil engineering and environment)”, “globalization” and “human development”.

○Graduate Program in Community Design Studies

Studying interdisciplinary field with agricultural economics and education studies based on advanced expertise and skills of community design studies as a core element provides students with colorful academic approach in order to correspond to changing regional diverse themes flexibly. Acquire the ability to analyze practical knowledge in the community and reflect its perception into the community as a leader in various fields who values academism and designs wealthy community.

○Graduate Program in Agricultural and Rural Economics

Studying interdisciplinary field with community design studies based on agricultural economics as a core element provides students with multifaceted and comprehensive vision to review changing food, agriculture and rural communities as a leader of new agriculture and rural community who can contribute to healthy and prosperous people’s lives and sustainable development of society. Acquire advanced expertise and skills for new designs by highly analyzing abundant wisdom and practices in the community as well as collaborative and cooperative relationship with cities.

○Graduate Program in Architecture and Building Engineering

This program aims to produce personalities who can provide interdisciplinary field with civil engineering and agricultural engineering studies based on architecture and building engineering as a core element provides students with the ability to design housing and building comprehensively on a diverse scale from architectural structure to national land infrastructure with a broad view of human life as well as urban and agriculture, etc. Acquire advanced engineering expertise and skills for comfortable and safe living space at a more advanced level as an expert professional who supports regional development.

○Graduate Program in Civil Engineering

Studying interdisciplinary field with architecture and agricultural engineering studies based on civil engineering as a core element provides students with the ability to design social infrastructure comprehensively on a diverse scale from architectural structure to national land infrastructure with a broad view of human life as well as urban and agriculture, etc. Acquire advanced engineering expertise and skills for excellent social infrastructure as an expert professional who supports regional development.

○Graduate Program in Irrigation, Drainage and Rural Engineering

Studying interdisciplinary field with architecture and civil engineering studies based on agricultural engineering as a core element provides students with the ability to design agricultural infrastructure and rural infrastructure with a broad view from architectural structure to national land infrastructure. Acquire advanced expertise and skills for practical activity in order to enhance excellent agricultural and rural infrastructure as an expert professional who supports regional development.

○Graduate Program in Global and Area Studies

Acquire advanced expertise and skills in fields related to international development and international cooperation, etc. which provides students with the ability to understand and resolve various global issues and to acquire a knowledge of diversity in global politics and societies, as well as planning and solution capabilities and communication skills applicable for global businesses.

○Graduate Program in Multicultural Studies

Acquire advanced expertise and skills together in fields related to humanity and social science studies and education studies, etc. in order to cultivate students who can consider and resolve issues in a multicultural environment of modern society.

○Graduate Program in Studies on Community and Human Development

Based on the advanced academic expertise related to various phases of human mind and body and its development and growth using a knowledge of education studies and related sciences, acquire interdisciplinary ability combining education studies, psychology, health, arts, human life and science, etc. in order to cultivate students for local human resources who are equipped with planning and development capabilities, coordination capability, practical skills, etc. in order to tackle modern-day regional challenges of “mind and body” of “human and people” for children and young people as a theme.

<Division of Engineering & Agriculture >

The purpose is to develop highly-skilled professionals who can contribute to creation and planning related to engineering and agriculture, creation of innovation to support food, agriculture and forestry,

and environment, and acquire advanced expertise and skills related to innovation from perspectives of optional and biological science, mechanical engineering, information, electrical and electronic engineering and agriculture studies.

○Graduate Program in Optical Engineering

Acquire advanced knowledge and skills of optics and contribute to innovation in the next generation by understanding and controlling various physical phenomenon the optics generate. Acquire creative practical ability and technical capability related to the optics, as well as fundamental technology for application field from an engineering perspective the optics generate.

○Graduate Program in Molecular Agriculture

The program aims to produce personalities who can provide (additional) brand-new values in Agriculture, Forestry and Fisheries, with their skills in genetic information analyses and insight into its expression mechanisms common to all organisms. The program offers opportunities to learn advanced, state-of-the-art expertise, which enables to utilize molecular-level knowledge in real community.

○Graduate Program in Material and Environmental Chemistry

In order to develop human resources who can contribute to the problem solution of material development and environmental conservation technology by mastering knowledge and skills of chemistry and life chemistry, aiming at synergetic effect of education and research by interdisciplinary integration between chemical engineering as an engineering and applied microbiology as agriculture studies, acquire advanced expertise and skills of physical chemistry, material science, material technology, environmental engineering, etc. as creative practical skills of chemistry which can be applied to industrial production.

○Graduate Program in Agricultural Biological Chemistry

In order to develop human resources who can contribute to the problem solution related to life chemistry and functional substance development in the manufacturing industry by possessing advanced expertise knowledge of life chemistry, aiming at synergetic effect of education and research by interdisciplinary integration between chemical engineering as an engineering and applied microbiology as agriculture studies, acquire advanced expertise and skills of microbiology, food chemistry, physiology, bio-organic chemistry related to the use of living organism.

○Graduate Program in Mechanical and Intelligent Engineering

In order to develop human resources who can be in charge of essential technology by being capable of playing a key role in all industrial fields, acquire a wide range of advanced engineering knowledge based on mechanical engineering without limiting to a specific engineering technology.

○Graduate Program in Information, Electrical and Electronic Systems Engineering

Acquire advanced expertise related to applied deployment technology in order to integrate elemental technology in each field of information, electrical and electronics to the system, and obtain accomplishments, cooperativeness and explanation capability as a self-independent researcher or engineer in the engineering field.

○Agricultural and Environmental Sciences Program

In order to develop human resources who will be responsible for the next generation of agroforestry production and are equipped with knowledge and skills of new agroforestry production, acquire advanced expertise and skills of agricultural and environmental science.

○Forest Science Program

In order to develop human resources who will be responsible for the next generation of agroforestry production and are equipped with knowledge and skills of new agroforestry production, acquire advanced expertise and skills of forest science.

5. Collaboration and Integration in Graduate School of Regional Development and Creativity

In order to contribute to the creation of a sustainable and prosperous community as a curriculum for collaboration and integration, dual guidance system is established for “regional creation literacy” in order to cultivate interdisciplinary intellect and practical skills which are common to the graduate school, “interdisciplinary course” in “specialized course” in order to cultivate expertise and skills of interdisciplinary fields and different fields and for “Advanced Seminar”, “Advanced Research” and “Non-thesis Research Project (for course work)” in order to collaborate and integrate between academic degree programs related to research themes.

○Regional creation literacy course (to cultivate advanced interdisciplinary intellect and practical skills which are common to graduate school.)

“Social Design and Innovation for Regional Creation”

: Two sides of social design and innovation (group work in which students from different fields are mixed).

“Contemporary Society: Life and Emotion”

: A fundamental perspective for collaboration and integration (group work in which students from different fields are mixed).

“Glocal Perspectives”

: Cultivate glocal vision (group work in which students from different fields are mixed).

“Academic Communication”

: Cultivate advanced interdisciplinary intellect and communication capability (seminar with diverse students, academics and businessmen).

○Interdisciplinary course (cultivate expertise and skills in interdisciplinary fields and different fields).

□Division of Social Design

<Collaborative course in Graduate Program in Community Design Studies and Graduate Program in Agricultural and Rural Economics>

“Designing Local Society”

: Cultivate the foundation of how to understand comprehensively in line with problems by gaining a deeper understanding of current regional status.

<Collaborative course in Graduate Program in Architecture and Building Engineering, Graduate Program in Civil Engineering and Graduate Program in Irrigation, Drainage and Rural Engineering>

“Project Work in Regional Design and Engineering”, ” Internship in Regional Design and Engineering”, ”Communication Skills for Engineers”

: Cultivate communication capability and career development ability to analyze and resolve problems related to regional design and engineering from local and global perspective.

<Course to systematically acquire the ability to contribute to the solution of diverse problems in Global and Area Studies Program>

“Comprehensive Global and Area Studies”

: Cultivate the foundation of expertise required for social design from a global perspective by comprehensively understanding various problems occur in Japan and around the world.

<Course to acquire the ability to understand and resolve cultural and social diversity in Graduate Program in Multicultural Studies>

“Lecture on 'Society for all'”

: Acquire academic knowledge as a basis of exploration of “society for all”

<Course to gain a deeper understanding of various issues with regional creation and community support in Graduate Program in Studies on Community and Human Development>

“Literacy of Community & Human Development Promotion”

: Understand the current status and issues related to community and human development in an interdisciplinary manner.

□Division of Engineering & Agriculture

<Collaborative course in Graduate Program in Optical Engineering and Graduate Program in Molecular Agriculture>

“Fundamental Optics”, ” Fundamental Optics Engineering”, ” Techniques for Analyzing Genetic Information”, ” Techniques for Analyzing Cells”, ” Techniques for Analyzing Mass Spectra”

: Acquire theory and engineering underlying optional and biological science

<Collaborative course in Graduate Program in Material and Environmental Chemistry and Graduate Program in Agricultural Biological Chemistry>

“Biodesign and Bioprocessing”, ” Environmental Analytical Chemistry”, ” Chemical System

Engineering”, ” Material Processing Engineering”, ” Molecular Physiological Chemistry”, ” Interfacial Chemistry”, ” Food Science”

: Cultivate creative and practical skills across interdisciplinary fields with engineering (material and environmental chemistry) and agriculture (agricultural biological chemistry)

<Interdisciplinary field reinforcement course in Graduate Program in Mechanical and Intelligent Engineering>

“Microstructural Characterization of Materials”, ” Biomechanical Engineering”, ” Micro-Nano Engineering”, ” Mechatronics Control”

: Enhance interdisciplinary field with biological and agriculture studies based on mechanical engineering which is an essential technology

< Interdisciplinary field reinforcement course in Graduate Program in Information, Electrical and Electronic Systems Engineering>

“Electromagnetics from Basic to Advanced”, ” Quantum Electronics”, ” Engineer Coaching”, ” Special Lecture in Information, Electrical & Electronic Systems Engineering”

: Acquire academic knowledge serve as a foundation for understanding of information engineering and electrical and electronics engineering and other adjacent engineering field and science field.

<Collaborative course in Graduate Program in Agricultural and Environmental Sciences and Graduate Program in Forest Production and Conservation>

“Practicum of Policy Issues”, ” “Smart-agri” Solutions and Technology”

: Acquire agroforestry technology employing cutting-edge technologies in agroforestry field science and cultivate practical skills to resolve various problems agroforestry production faces.

○Dual academic system (Collaboration and integration of academic degree programs related to research theme)

Research guidance on special seminar, special research and practical project (for course works) is given to students in the dual academic system in order to cultivate advanced professionals with a wide vision equipped with interdisciplinary intellect and practical skills in addition to specialized curriculum. In specific, it consists of 3 academic supervisors: 1 main academic supervisor and 2 sub academic supervisors. The first sub academic supervisor is selected from the same academic degree program in order to guarantee the expertness of the degree while the second sub academic supervisor is to give guidance on research progress and professional development from an interdisciplinary perspective for the specialized curriculum, in order to cultivate human resources having expert knowledge and practical skills.

6. Academic Organization

Division of Social Design

○Graduate Program in Community Design Studies

Title	Name	Education specialty and research field	Research interest
Professor	OHMORI, Reiko	Studies in Dietary Life	Research on food and health of community residents
Professor	KAJIHARA, Yoshinari	Design (Architecture, Spatial Media)	Problem resolution by design based on regional resources
Professor	KUROGO, Hiroshi	Sports Administration	Research on regional sports policy and sports coacher
Professor	JINNOUCHI, Yuji	Housing and Community Planning	Research on housing and community planning to maintain and improve living environment
Professor	TAKAHASHI, Toshimori	Landscape Ecology	Research on design in harmony with nature
Professor	TSUKAMOTO, Jun	Economic Policy	Research on impact of economic policy to actual economy
Professor	NAKAJIMA, Soukou	Culture Management	Strategic utilization of culture value and advanced community planning
Professor	NAKAMURA, Yuji	Local Administration, Public Administration	Demonstrative research on diverse cooperative activity in policy formation
Professor	HARADA, Jun	Rural Management	Issue with farm management and farming organization
Associate Professor	ISHII, Daiichiro	Community Policy	Community assessment and service resource development
Associate Professor	ISHIKAWA, Yumiko	Clinical Developmental Psychology	Research on development and support of human relationship in the community through lifetime study activity
Associate Professor	SAKATA, Kazuya	Project Evaluation	Economic evaluation, policy evaluation, public project evaluation
Associate Professor	SHIRAISHI, Satoko	Psychology	Research on mental health of community residents
Associate Professor	TAKASHIMA, Shogo	Instrumental Music (Wind, String, Percussion), Conducting, Ensemble	Participatory regional alliances by the ensemble
Associate Professor	NAKAGAWA, Atsushi	Conversation Analysis of Welfare	Research on social interaction in welfare for the elderly
Associate Professor	MITA, Hiroka	Political Process, Policy Process	Research on history of politics and policies and democracy
Associate Professor	WAKAZONO, Yushiro	Social Education	Practical research on the formation of educational ability in the community
Lecturer	SUZUKI, Tomiyuki	Tourism Geography	Human geographical research on the formation and changes of tourist areas
Associate Professor	ADAKA, mayumi	Social Work	Research on Social Support for people and families with addiction

○Graduate Program in Agricultural and Rural Economics

Title	Name	Education specialty and research field	Research interest
Professor	AKIYAMA, Mitsuru	Agriculture Policy	Issues with agricultural policy and structure
Professor	ANDOH, Masuo	Regional Sociology	Research on rural vitalization
Professor	OHGURI, Yukiteru	Agriculture History	Japanese landlord system history and agricultural land policy history
Professor	SAITOH, Kiyoshi	Agriculture Management	Agribusiness, agricultural education and agricultural development in European and US countries
Professor	MATSUMURA, Keiko	Agricultural Geography, Rural Geography	Agricultural geography and agricultural regional system
Associate Professor	KATOH, Koji	Environmental Economics	Environmental economics and evaluation of multifaceted functions of agriculture
Associate Professor	KODAMA, Yoshifumi	Food Economics	Demonstrative analysis of food economics and food economy
Associate Professor	JINDAI, Hideaki	Agriculture Policy	Research on agricultural market and production, process and distribution of agricultural products
Associate Professor	NISHIYAMA, Mima	Agriculture Management	Regional resource management and local food system

○Graduate Program in Architecture and Building Engineering

Title	Name	Education specialty and research field	Research interest
Professor	KOHRI, Kimiko	Architectural Environmental Control	Research on architectural environmental design and energy
Professor	SUGIYAMA, Hisashi	Building Materials, Building Construction	Research on quality improvement of building materials such as concrete, reinforcing steel, etc.
Professor	NAKAJIMA, Shiro	Building Material, Structure	Research on performance evaluation of wooden materials and wooden building
Professor	MASUDA, Hiroshi	Architectural Structure	Research on seismic performance evaluation of buildings
Professor	YOKOO, Noriyoshi	Architectural Environment, Urban Environment	Research on environmental performance and evaluation of urban buildings
Associate Professor	KOGA, Takaaki	Architectural Planning, Environmental Psychology	Research on architectural planning based on user's point of view
Associate Professor	SATOH, Eiji	Urban Planning, Architectural Planning	Research on resolution method of social problems in relation with urban and architecture
Associate Professor	NAKANO, Tatsuya	Building Steel Structure	Research on joining performance evaluation of steel structure buildings
Associate Professor	FUJIMOTO, Satoshi	Building Material, Construction	Research on maintenance and demolition of buildings
Assistant Professor	ITOIGAWA, Takaho	Architectural Environment, Environmental Control	Practical research on human physiology, psychology, cognition and behavior
Assistant Professor	OOTAKE, Akinori	Architectural Design	Research on Architect's Design and Design

Title	Name	Education specialty and research field	Research interest
Assistant Professor	FUJIWARA, Kisa	Architectural and Urban Environment, Environmental Architecture	Research on architectural and urban design and environmental performance

○Graduate Program in Civil Engineering

Title	Name	Education specialty and research field	Research interest
Professor	IKEDA, Hirokazu	River Engineering	Research on disaster countermeasure and environmental protection on rivers
Professor	OHMORI, Nobuaki	Urban Planning, Transportation Planning	Research on sustainable cities and transportation in an aging society with fewer children
Professor	FUJIWARA, Hiromi	Concrete Engineering	Research on cement-based inorganic building materials
Professor	YAMAOKA, Satoshi	Project Management	Research on project management of infrastructural improvement
Associate Professor	UNNO, Toshiyasu	Geotechnical Engineering	Research on disaster countermeasures and environmental issues with the ground and soil
Associate Professor	KONDOH, Shin-ya	Disaster Management	Research on disaster prevention and crisis management on natural disasters
Associate Professor	SEIKI, Takafumi	Rock Engineering	Research on safety evaluation and underground environment of rock structure
Associate Professor	FUJIKURA, Shuichi	Structural Engineering	Research on disaster prevention and safety of frame structures such as bridges
Associate Professor	MARUOKA, Masanori	Concrete Engineering	Research on building materials such as cement and recycled materials
Assistant Professor	IIMURA, Kosuke	Coastal Engineering	Research on disaster prevention and environmental protection on the coast
Assistant Professor	OSADA, Teppei	Urban Planning, Transportation Planning	Research on urban and transportation planning corresponding to a society declining in population
Assistant Professor	NGUYEN Minh Hai	Structural Engineering	Research on steel-concrete composite construction
Assistant Professor	LINGLING WANG	Construction management, Energy economics,	New construction system development in local areas; Energy policy development from global perspective

○Graduate Program in Irrigation, Drainage and Rural Engineering

Title	Name	Education specialty and research field	Research interest
Professor	MATSUI, Hiroyuki	Agricultural Water Management and Conservation	Irrigation, water cycle and water environment management in watershed
Associate Professor	IYAMA, Ippei	Soil and Environmental Biophysics	Research on transport and retention of energy and water in soils
Associate Professor	OSAWA, Kazutoshi	Soil and Water Conservation	Dynamics of water, sediment and nutrients in a farmland and agricultural watershed
Associate Professor	TAMURA, Takahiro	Rural Planning	Research on farm work safety, lighter labor of farm work and land improvement
Associate Professor	FUKUMURA, Kazunari	Rural and Agricultural Development Engineering	Water management in arid climate, irrigation, drainage and rural development
Associate Professor	MORIYAMA, Takumi	Rural Ecology Engineering	Research on conservation and utilization of secondary nature

○Graduate Program in Global and Area Studies

Title	Name	Education specialty and research field	Research interest
Professor	ISOYA, Akira	Economics	Research on financial markets and systems in the United States
Professor	Malee KAEWMANOTHAM	Sociology	Development and community in Thailand
Professor	SHIGETA, Yasuhiro	International Cooperation, Civil Society	Research on poverty in international cooperation
Professor	TAKAHASHI, Wakana	Environmental Governance	Research to clarify the cause of differences in environmental policies between regions and nations from a political science perspective
Professor	NI, Yongmao	Information Network	Foundations and applications of information equipment system and information network in a global society
Professor	MATSUKANE, Kimimasa	History, Asian History, Studies on Taiwanese Colonial History	Research on religion and society in China and Taiwan
Professor	YUMOTO, Hiroyuki	Global Education	Research on educational activities to address global issues
Associate Professor	KURIHARA, Shunsuke	International Development, Governance, Civil Society	Research on international development and governance
Associate Professor	KOMURA, Manabu	Studies in Village Community	Research based on field work in Japanese rural community
Associate Professor	SAKAMOTO, Kumiko	African Area Studies	Research on social development and culture in East Africa
Associate Professor	SHIMIZU, Nanako	International Relations, International Organizations	United Nations security system and human security
Associate Professor	SUEYOSHI Ana	Applied Economics (including Economic History)	Research on Latin American politics and economy

Title	Name	Education specialty and research field	Research interest
Associate Professor	MATSUO, Masaki	Middle East Studies	Political economy of the the Middle East, especially (1) correlation between oil and authoritarianism, (2) international migration in the Middle East
Associate Professor	MATSUMURA, Fuminori	International Relations in East Asia	Research on Chinese foreign policy and international political history
Assistant Professor	IIZUKA, Akiko	Disaster Management, International Cooperation	Disaster prevention and management, international cooperation, NGOs
Assistant Professor	FUJII, Hiroshige	International Protection of Human Rights and peacebuilding	Research on international Criminal Justice and conflicts

○Graduate Program in Multicultural Studies

Title	Name	Education specialty and research field	Research interest
Professor	AMANUMA, Minoru	Theoretical Linguistics, English Linguistics	Theoretical and demonstrative research on syntactics, semantics and phonology of modern English
Professor	KARAKITA, Yasuyuki	Cultural Anthropology	Research on globalization and traditional culture in Asia Pacific
Professor	KINOSHITA, Daisuke	Composition, Musicology	Research on music composition and practice and historiography (Western music history)
Professor	SASAKI, Kazutaka	Language	Research on English and Japanese from a language universality perspective
Professor	SHIMODA, Jun	History, Western History	Research on history and religion in Europe and Germany
Professor	SUZUKI, Keiko	Modern Japanese Literature	Formation and acceptance of literature in modern Japan
Professor	TAMAKI, Matsuo	Sociology	Transnational migrants and multicultural communities
Professor	QI, Jie	Educational Sociology, Foreign Language Education	Research on school education and foreign language education
Professor	JEONG, Gwi Ryun	Comparative Literature, Japanese Literature, Korean Literature	Comparative research on East Asian literature and culture
Professor	NAKAMURA, Makoto	Psychology	Research on social community and emotional communication
Professor	HASEGAWA, Mayumi	Social Welfare	Social community and citizenship education
Professor	MATSUI, Takako	Japanese Culture, Japanese Literature, Comparative Culture	Tradition and modernization in Japan, cultural universality, heterogeneity and homogeneity
Professor	MORIYASU, Toshihisa	Modern Japanese Literature	Modern Japanese literature, contemporary theater and films

Title	Name	Education specialty and research field	Research interest
Professor	YUZAWA, Nobuo	English Phonetics	Phonetics in modern English and application to education
Professor	YOSHIDA, Kazuhiko	Language, Foreign Language Education	Research on multilingualism
Professor	YONEYAMA, Masafumi	American Literature	Research on 19 th century romantic literature
Associate Professor	IZUHA, Takashi	English Art History	Research on 18 th to 19 th century British paintings
Associate Professor	USHITORA, Kaori	Sexuality and Human Rights	Sex and human rights in modern times
Associate Professor	OHNO, Tokiko	Russian literature, Theory of Culture	19 th century Russian literature and formative culture
Associate Professor	KAMADA, Michiko	Japanese Language Education, Applied Linguistics	Research on language education, education methodology and Japanese language teacher training
Associate Professor	KUROKAWA, Kyoko	Criminal Law, Legal Studies	Discriminatory prosecution, legal education
Associate Professor	TAKAYAMA, Keiko	History, Japanese History	Japanese modern history, transition history in the modern and contemporary
Associate Professor	TAKAYAMA, Michiyo	Japanese History of Japanese Language	Grammar and vocabulary of ancient Japanese
Associate Professor	TANI, Mitsuo	Language	Theoretical linguistics such as syntactics, semantics and phonology
Associate Professor	HONDA, Goro	Art, Art Education	Research on arts (theory and art history in modern times) and art education
Associate Professor	MARUYAMA, Tsuyoshi	Education, School Education, School Curriculum	Research on new junior high school curriculum history, curriculum of education for foreign school children, colonial technology and vocational education history
Associate Professor	Barbara MORRISON	Literature (Japanese and English)	Cultural studies, gender
Associate Professor	YAMADA, Yukiko	Philosophy, Ethics	German idealism philosophy and life (medical) ethics
Lecturer	TACHIBANA, Yuuki	Education	Research on school education in global age

○Graduate Program in Studies on Community and Human Development

Title	Name	Education specialty and research field	Research interest
Professor	AKATSUKA, Tomoko	Living Management, Consumer Education	Research on family resource management support in sustainable regions
Professor	KATOH, Ken-ichi	Developmental Biomechanics, Motor Development	Research on development of fundamental motor ability in the developmental period
Professor	KOHARA, Shin-ichi	Vocal Music, Music Education	Research on regional cultural activity and lifelong learning including musical expression
Professor	KOMIYA, Hideaki	Exercise Physiology	Research on health enhancement by improving fitness and lifestyle habits
Professor	SASAKI, Kazuya	Environmental Education for Living, Clothing Science	Research on living and regional environment creation focusing on clothing
Professor	MATSUSHIMA, Sakurako	Arts and Crafts, Urushi Lacquer Art	Asian lacquer arts and crafts with a focus on the cultures that created and support them
Associate Professor	ISHIKAWA, Takayuki	Developmental Psychology	Research on sociality of children
Associate Professor	UEHARA, Shuichi	Education (Philosophy of Education)	Research on the relationship between thinking and language in education
Associate Professor	KABUTA, Masahiko	Painting Techniques, Theory and History of Arts	Research on technique based on paintings, research on spreading regional art
Associate Professor	KAWASHIMA, Yoshiaki	Educational Engineering, Information Education	Research on media utilization and contents creation corresponding to informational society
Associate Professor	KUMATA, Teisuke	Course education (Social Studies)	Theoretical and demonstrative research on social studies and history education
Associate Professor	KOHARA, Kazuma	Sociology of Emotion	Application of amusingness of play to education, school caste
Lecturer	HIRAI, Rie	Music Expression, Music Education	Research on expression, instruction, creation and management in music
Assistant Professor	MIYASHIRO, Kozue	Cognitive Psychology	Research on impact of perceptual expression of language to language processing

Division of Engineering & Agriculture

○Graduate Program in Optical Engineering

Title	Name	Education specialty and research field	Research interest
Professor	OHTANI, Yukitoshi	Polarization Engineering, Optical metrology, Optomechatronics	Research on polarization, spectroscopic imaging, optional-mechatronics
Professor	SATO, Mie	Human Informatics, Kansei Engineering	Image processing, Kansei information processing, and human-computer interaction
Professor	SUGIHARA, Okihiro	Optical Communication Engineering, Polymer Photonics	High speed communication using optical fiber / optical waveguide, interaction between light and polymer
Professor	HAYASAKI, Yoshio	Information Photonics, Holography, AI Optics, Laser Processing	Processing / measurement / display / imaging by fusion of light and information
Professor	YAMAMOTO, Hirotugu	Information Photonics	Research on 3D display and its application
Professor	YUGAMI, Noboru	Plasma Science and Engineering	Terahertz electromagnetic radiation from laser generated plasma
Professor	SHINODA, Kazuma	Perceptual Information Processing	Research on imaging and image processing
Associate Professor	TAMADA, Yosuke	Biological Optics and Bioimaging	Optical measurement and control of living cells towards discovering novel biological phenomena
Associate Professor	NINOMIYA, Nao	Visualization and Image Processing	Development and application of three-dimensional image measurement technology of thermal fluid
Associate Professor	BARADA, Daisuke	Photodynamics, Mathematical Optical Physics	Light propagation analysis, application to optical recording and optical measurement, interaction between light and substance
Associate Professor	FUJIMURA, Ryushi	Optical Science & Engineering, Nano Photonics	Research on holographic memory, plasmonic metal Nano structure
Assistant Professor	OHTSUKA, Takamitsu	Plasma Science and Engineering	Electron acceleration of laser wake and its application
Assistant Professor	HASEGAWA, Satoshi	Laser material processing, Optical Information processing, Optical metrology, AI Optics	Laser material processing with optical metrology and AI optics
Assistant Professor	Nathan, HAGEN	Applied Optics	Optical design, spectroscopy, computational sensing

○Graduate Program in Molecular Agriculture

Title	Name	Education specialty and research field	Research interest
Professor	IIGO, Masayuki	Molecular Physiology	Hormone, neurotransmitter biosynthesis and mechanism of action, light genome life chemistry
Professor	FUKUI, Emiko	Animal Breeding and Reproduction	Genetic analysis related to economic traits of livestock

Title	Name	Education specialty and research field	Research interest
Professor	MATSUDA, Masaru	Molecular Genetics	Molecular mechanism of sexual development of medaka and genetic diversity of wild population in fish
Professor	MATSUMOTO, Hiromichi	Animal Breeding and Reproduction	Developmental biology of mammalian embryos during peri-implantation
Associate Professor	OHNISHI, Takayuki	Plant Breeding	Research on genetic breeding of crops
Associate Professor	OKAMOTO, Masanori	Plant Chemical Genetics	Elucidation of molecular action and applied research on signal molecules involved in environmental stress responses
Associate Professor	KASHIWAGI, Takayuki	Crop Science	Research on genetic factors and environmental factors controlling agronomic traits of crops
Associate Professor	KODAMA, Yutaka	Plant Cell Biology	Molecular mechanism and molecular control of plant cell response under environmental alteration
Associate Professor	SUZUKI, Tomohiro	Molecular bioinformatics	Purification and structural determination of natural products. Genetic analysis using next generation sequencing.
Associate Professor	TAKAHASHI, Michiko	Plant Nutrition	Clarification of the roles of mechanism of nutritional stress tolerance in plants and metallic elements during reproductive growth
Associate Professor	NISHIGAWA, Hisashi	Plant Pathology	Research on molecular mechanism of pathogenicity of plant virus
Associate Professor	NOMURA, Takahito	Plant Physiological Chemistry	Study on regulation of plant growth by plant hormones
Associate Professor	MIYAKAWA, Hitoshi	Environmental Physiology	Research on molecular mechanism of arthropod environmental response and its evolution
Lecturer	KUROKURA, Takeshi	Horticultural Sciences	Molecular physiology of horticultural crops
Assistant Professor	NERIYA, Yutaro	Plant Pathology	Research on interaction between plant viruses and plant hosts

○Graduate Program in Material and Environmental Chemistry

Title	Name	Education specialty and research field	Research interest
Professor	IIMURA, Ken-ichi	Interfacial Chemistry	Research on physical property and structure analysis, control and functionalization of interfacial molecular film
Professor	UEHARA, Nobuo	Analytical Chemistry	Research on development of functional substances in measurement chemistry
Professor	EGAWA, Chikashi	Catalyst Surface Chemistry	Research on reaction mechanism on solid surface at atomic and molecular level using various surface spectroscopy
Professor	OBA, Toru	Supramolecular Chemistry, Bioorganic	Development of molecules that regulate and analyze biological functions such as

Title	Name	Education specialty and research field	Research interest
		Chemistry	disease treatment and diagnosis
Professor	KATO, Norihiro	Functional Polymer Chemistry	Design and development of functional soft materials in biotechnology
Professor	SATOH, Masahide	Chemistry Engineering, Thermal and Mass Transfer	Research on synthesis and application of surface modification, nanomaterial and nanomaterial dispersion system
Professor	SHAN, Yue Jin	Inorganic Material Chemistry, Solid Chemistry	Education and research on the synthesis and physical properties of functional inorganic compounds
Associate Professor	KARIKOMI, Michinori	Synthetic Organic Chemistry	Development of new synthetic reaction and synthetic study of unusual organic compounds
Associate Professor	SAKAI, Yasuzo	Environmental Science	Research on environmental technologies, environmental load reduction, water purification technology
Associate Professor	SATOH, Takafumi	Chemistry Engineering	Research on reaction separation using supercritical fluid and membrane
Associate Professor	TEZUKA, Keitaro	Inorganic Solid Chemistry	Synthesis and evaluation of new functional inorganic compounds
Associate Professor	FURUSAWA, Takeshi	Chemical Engineering, Catalysis	Research on catalyst development in chemical process
Associate Professor	MATSUMOTO, Taki	Inorganic Synthetic Chemistry	Research on the creation of functional inorganic materials by liquid phase process
Associate Professor	MOROHOSHI, Tomohiro	Bioengineering	Research on communication mechanism between bacteria
Associate Professor	YOSHIHARA, Sachio	Electrochemistry, Surface Finishing Technology, Electronics Packaging Technology	Atomic level surface control using electrochemical method and development of new functional materials
Assistant Professor	ITOH, Satoshi	Organic Chemistry	Synthesis of new heterocyclic compounds and development of functional organic materials
Assistant Professor	INAGAWA, Arinori	Analytical Chemistry	Development of microfluidic devices with ice as material and its application to separation science
Assistant Professor	IWAI, Hidekazu	Catalytic Chemistry, Computational Chemistry	Research on development of photocatalyst using surface plasmons
Assistant Professor	TAMESUE, Shingo	Supramolecular Chemistry, High Polymer Chemistry	Development of polymer functional materials using supramolecular bonding
Assistant Professor	NASUNO, Eri	Biotic Function Engineering	Control and utilization research on microbial metabolic function using functional polymer material
Assistant Professor	NIKATA, Toshiyuki	Environmental Bioengineering	Application of bacterial chemotaxis signaling system to environmental purification

○Graduate Program in Agricultural Biological Chemistry

Title	Name	Education specialty and research field	Research interest
Professor	AZUMA, Norihiro	Food Chemistry	Research on impact of cooking and processing to the functionality of food
Professor	KABUYAMA, Yukihito	Biopolymeric Material	Function development and utilization of biopolymers
Professor	HASHIMOTO, Kei	Organic Chemistry	Structural analysis of general organic compounds and research on novel synthesis methods
Professor	HABU, Naoto	Forest Chemistry	Development of utilization of proteomics and metabolomics on tree disease and woody biomass
Professor	MAEDA, Isamu	Animal Nutrition Control	Research on adjustment of muscle size and type
Professor	YAMADA, Yoichi	Animal Nutrition Control	Mechanism analysis of body protein synthesis control by nutrients
Associate Professor	YOKOTA, Shinso	Timber Material	Growth and material of afforestation tree and tropical trees, tissue structure and chemical composition of broad-leaf tree reaction wood
Associate Professor	YOSHIZAWA, Fumiaki	Polymeric Material	Research on advanced use of biomass
Associate Professor	ISHIGURI, Futoshi	Natural Products Chemistry	Research on isolation and structure analysis and mass analysis of physiologically active substances
Associate Professor	KONNO, Naotake	Natural Product Organic Chemistry	Structure determination of natural organic compounds, chemical synthesis and functional evaluation
Associate Professor	XIE, Xiao Nan	Applied Microbiology	Analysis of various functions of microorganisms and their applied research
Associate Professor	NIHEI, Ken-ichi	Biotic Function Chemistry	Research on physiological action of functional food ingredients
Associate Professor	MIZUSHIGE, Takahumi	Biotic Function Chemistry	Research on physiological action of functional food ingredients
Lecturer	SATOH, Yusuke	Animal Nutrition Control	Research on adjustment of muscle size and type
Lecturer	YAMADA, Kiyoshi	Food Immunology	Research on food ingredients controlling immune system function

○Graduate Program in Mechanical and Intelligent Engineering

Title	Name	Education specialty and research field	Research interest
Professor	OZAKI, Koichi	Robotics	Research on social implementation of robot technology and robot
Professor	SAKAI, Kazuhiro	Dynamical systems theory, Ergodic Theory	Research on stability and branching phenomena of dynamical system, chaos and fractal of attractor
Professor	SHIMAWAKI, Satoshi	Bioengineering, Medical Engineering, Welfare Engineering	Biofunction, measurement of movement, simulation

Title	Name	Education specialty and research field	Research interest
Professor	TAKAYAMA, Yoshimasa	Material Engineering, Joining Engineering	Research on material development and bonding technology for environmental load reduction
Professor	HASEGAWA, Hiroaki	Fluid Engineering	Application to aerospace, space, medical, sports fields based on fluid dynamics
Professor	MABUCHI, Yutaka	Micro-Nano Engineering	Research on ultra-low friction, thermal barrier and heat transfer function by thin film
Professor	YOKOTA, Kazutaka	Robot Engineering, Mechatronics	Research on support of mobile robot, mechatronics applied technology, product assembly plan, etc.
Professor	YOSHIDA, Katsutoshi	Mechanical Dynamics, Control	Research on modeling of motion and intellectual control
Associate Professor	SATOH, Ryunosuke	Industrial Engineering, Machining	Research on fixed abrasive grinding, nanometer surface creation, etc.
Associate Professor	ZOU, Yan Hua	Advanced Precision Machining	Foundation and application of precision processing technology, magnetic processing technology
Associate Professor	SHIRAYORI, Atsushi	Metal Forming Engineering, Elasto-Plasticity	Research on weight reduction of metal parts and molding process
Associate Professor	SEKIKAWA, Munehisa	Nonlinear Dynamics	Research on synchronization phenomenon and chaos phenomenon of transducer
Associate Professor	HOSHINO, Satoshi	Intelligent Robotics System	Intelligent Robotics, Artificial Intelligence, Machine Learning, Human-Robot Interaction, Group Intelligence
Associate Professor	YAJIMA, Takahiro	Applied Dynamics, Applied Geometry	Differential geometric research in applied mechanics
Associate Professor	YAMAMOTO, Tokujiro	Material Engineering	Research on creation and evaluation of new materials by material organization control
Associate Professor	WATANABE, Shin-ichi	Engineering Education, KANSEI Engineering	Research on psychological measurement method and psychological quantification
Assistant Professor	ISHIDO, Tsutomu	Fluid Engineering	Research on fluid engineering with making bubbles and droplets as a key word
Assistant Professor	KATO, Naoto	Fluid Engineering, Thermal Engineering	Research on flow and hydrogen diffusion around the car
Assistant Professor	KAWAGUCHI, Takahisa	Machine Element, Tribology	Research on measurement of true contact area and precise positioning
Assistant Professor	NAKABAYASHI, Masataka	Biomechanics, Biomimetics, Medical Engineering	Biomimetics, Human Interface, Medical engineering, Welfare Engineering
Assistant Professor	YAMANAKA, Yoshikazu	Information Processing, Mechanical Dynamics	Research on nonlinear dynamics and optimization method

○Graduate Program in Information, Electrical and Electronic Systems Engineering

Title	Name	Education specialty and research field	Research interest
Professor	ISHIDA, Kunio	Electronic Property Engineering	Research on optical properties, semiconductor physics, quantum dynamics and their application to optical devices
Professor	ITOH, Satoshi	Medical Image Engineering	Research on MRI imaging algorithm and image reconstruction method and medical image processing
Professor	IRIE, Akinobu	Electronic Property Engineering	Research on physical properties of high-temperature superconductor nanostructures and its applications to quantum functional devices
Professor	KAMIMURA, Yoshitsugu	Environmental and Electromagnetic Engineering, Biomedical Engineering	Research on electromagnetic field analysis, electromagnetic environment measurement and the impact of electromagnetic field to living body
Professor	KAWATA, Shigeo	Energy Science and Engineering	Research on energy problem, nuclear fusion energy, computing science, laser particle acceleration for cancer therapy, etc
Professor	KOGAMI, Yoshinori	Information and communications System Engineering	Research on application to design technology of communication microwave and millimeter wave circuit, to material measurement technology of microwave and millimeter wave circuit, etc.
Professor	NAGAI, Akira	Information and Communications Network	Research on network system technology, service infrastructure technology, and network security
Professor	HASEGAWA, Hiroshi	KANSEI Engineering, Acousticpsychology	Research on sensitivity information processing, acoustic signal processing, acoustic measurement, wave theory and its application
Professor	HASEGAWA, Madoka	Image Engineering	Research on image encoding, image processing, digital watermarking and usable security
Professor	HIGASHIGUCHI, Takeshi	Electromagnetic Energy Engineering	Research on fiber laser, solid state laser and extreme ultraviolet, soft X-ray light source
Professor	HIRATA, Mitsuo	Information and communications System Engineering	Research on advanced control theory and its industrial applications
Professor	FUNATO, Hirohito	Electromagnetic Energy Engineering	Research on power electronics and renewable energy
Professor	YAJIMA, Tetsu	Mathematical Sciences, Physical Property Foundational Theory	Research on analysis of mathematical physics, computer physics and infinite degrees of freedom integrable system
Professor	YOKOTA, Takashi	Computer System Engineering	Research on parallel and distributed computer system, embedded computer system, design methodology
Associate Professor	AZUMA, Takehito	Information and communications System Engineering	Research on model control prediction etc. of system biology and hybrid system
Associate Professor	ISHIKAWA, Tomoharu	Human Informatics, KANSEI engineering	Research on multimodal interface technology based on cognitive science and sensitivity engineering, virtual reality, psychophysics, and psychophysiology

Title	Name	Education specialty and research field	Research interest
Associate Professor	OOTSU, Kanemitsu	Computer System Engineering	Research on high performance computing system, parallel distributed processing
Associate Professor	KASHIWAKURA, Takayuki	Electronic Property Engineering	Research on X-ray spectroscopic analysis techniques and thin film fabrication techniques
Associate Professor	KOIKE, Masafumi	Theoretical Physics, Elementary Particles Theory	Theoretical research on elementary particle physics and elementary particle theory cosmology
Associate Professor	GOTOH, Hiroki	Electromagnetic Energy Engineering	Research on design and control technology of motor and generator, application to electric vehicle
Associate Professor	SAKUMA, Hiroshi	Electronic Property Engineering	Research on spintronics and crystal structure analysis
Associate Professor	SHIMIZU, Takashi	Information and communications System Engineering	Research on circuit design technology, material evaluation technology etc. in microwave and millimeter wave band
Associate Professor	TOYAMA, Fubito	Information and communications System Engineering	Research on evolutionary computation, soft computing, and pattern recognition
Associate Professor	FUJII, Masahiro	Information and Communications Network	Research on wireless communication network, intelligent transport system, and location information system
Associate Professor	MORI, Hiroki	Information and communications System Engineering	Research on voice and spoken language information processing, speech dialogue system, etc.
Associate Professor	MORI, Hiroshi	Media Informatics	Research on computer graphics and virtual reality
Associate Professor	YODA, Hidehiko	Information and communications System Engineering	Research on the principle, design, analysis, fabrication, and evaluation of devices for optical fiber communication
Associate Professor	YORIKAWA, Hiroharu	Electronic Property Engineering	Research on numerical simulation of electronic structure and physical properties of solids
Assistant Professor	SAITOU, Yoshifumi	Electromagnetic Energy Engineering	Research on phenomena in plasmas, especially, dusty plasmas and waves in plasmas
Assistant Professor	SUZUKI, Masayasu	Information and communications System Engineering	Research on advanced control theory and its industrial applications
Assistant Professor	TSURUTA, Mariko	KANSEI Engineering, Acousticopsychology	Research on sound psychology, sound and sound environment design
Assistant Professor	HARUNA, Junnosuke	Electromagnetic Energy Engineering	Research on power electronics and renewable energy
Assistant Professor	MIHARA, Yoshiki	Information and Communications Network	Research on network system technology, service infrastructure technology, and network security
Assistant Professor	YAMAKI, Kazuhiro	Electronic Property Engineering	Research on physical properties of high temperature superconductor nanostructures and its application to quantum functional devices

○Graduate Program in Agricultural and Environmental Sciences

Title	Name	Education specialty and research field	Research interest
Professor	AITA, Yoshiaki	Geological Science	Research on global environmental change based on geology and paleontology
Professor	IKEGUCHI, Atsuo	Environment and Information Engineering of Biology	Research on acquisition and utilization of living organisms and environmental information in livestock and plant production
Professor	OGASAWARA, Masaru	Weed Science	Research on the ecology and control of weeds
Professor	SAITOH, Takahiro	Environmental Control in Biology	Research on facilities horticulture, plant factory and food science
Professor	SEKIMOTO, Hitoshi	Plant Nutrition and Fertilizer	Science of nutrients for people, food and environment
Professor	SONODA, Shoji	Applied Entomology	Research on comprehensive pest management of agricultural pests
Professor	NAGAO, Yoshikazu	Physiology of Animal Reproduction	Research on reproductive physiology, breeding and feeding management of animals
Professor	BANG, Sang Woo	Plant Thremmatology	Genetic breeding use of distant crosses in crucifers
Professor	HIRAI, Hideaki	Soil Science	Research on soil sphere as the foundation of human existence
Professor	MATSUI, Masami	Field Mechanics	Research on the structure and utilization of field machines
Professor	YAMANE, Kenji	Horticulture	Research on physiology, ecology, production and utilization of horticultural crops
Professor	WADA, Yoshiharu	Agronomics	Research on physiological and ecology of crops
Associate Professor	AOYAMA, Masato	Animal Function and Morphology	Invention of animal management based on the morphology, physiology and ethology
Associate Professor	IWANAGA, Masashi	Molecular Entomology	Functional utilization of insects and insect viruses, molecular biology
Associate Professor	KASHIWAZAKI, Masaru	Postharvest Technology	Research on quality improvement and quality evaluation in agricultural product distribution
Associate Professor	KODERA, Yuji	Conservation Biology	Research on preservation of natural ecosystems and management of wildlife
Associate Professor	TAKAHASHI, Yukitsugu	Crop and Environmental Sciences	Research to clarify the relationship between meteorological environment and cultivation technology for producing high-quality high-yield crops
Associate Professor	NISHIO, Takayoshi	Vegetation Studies	Ecological study on vegetation and its plants
Associate Professor	HISHINUNA, Tatsuo	Agro-Environmental System Analysis	Verification and evaluation of low environmental load type agricultural and livestock production system
Associate Professor	FUKUI, Ryo	Agricultural and Environmental Microbiology	Research on soil environment and microbial function inhabited by microorganisms
Lecturer	KURIHARA, Nozomi	Animal Morphology	Research on the structure and function of the animal body, its formation and evolution

Title	Name	Education specialty and research field	Research interest
Assistant Professor	IKEDA, Hiroki	Field Science of Horticultural Crops	Research on physiology and ecology of horticultural crops
Assistant Professor	KOYAMA, Takuya	Crop Science	Plant root system and its functions
Assistant Professor	TAMURA, Masatsugu	Food Distribution Engineering	Research on food processing technology and quality evaluation
Assistant Professor	HAYAKAWA, Chie	Soil Science	Soil biogeochemistry and soil fertility

○Graduate Program in Forest Production and Conservation

Title	Name	Education specialty and research field	Research interest
Professor	IIZUKA, Kazuya	Forest Resource Conservation	Forest tree breeding and forest radioecology
Professor	OHKUBO, Tatsuhiro	Ecological Basis for Silviculture	Forest stand dynamics and restoration of degraded forest ecosystem
Professor	SHUIN, Yasuhiro	Natural Hazard	Research on sediment transport phenomena in mountain forest watershed
Professor	YAMAMOTO, Miho	Forest Policy	Research on institutional design for sustainable use of forest resources
Associate Professor	AIZAWA, Mineaki	Forest Botany	Research on geographical variation of genetic, morphological and ecological characteristics of forest plant
Associate Professor	ARUGA, Kazuhiro	Forest Operation	Research on optimization in forest operation system
Associate Professor	MATSUE, Keigo	Planning for Forest Management	Research on forest planning presupposing conservative use of forest resources
Lecturer	OHSHIMA, Jun-ichi	Forest Products Management	Research on forest damage and wood decay of damaged trees
Assistant Professor	HAYASHI, Uichi	Forest Economics	Economic analysis on forestry labor and timber market trend analysis

○Common Course

Title	Name	Education specialty and research field	Research interest
Lecturer	HORIO, Kei	Japanese Language Education, Japanese Language Studies	Japanese language education for foreign students and research on globalization of Japanese students
Assistant Professor	HARA, Shin	Mechanism, Production Engineering, Engineering Education	Research on productivity improvement

II. Course and Research

1. Completion Requirement

As a completion of the master's program in Graduate School of Regional Development and Creativity, a person who satisfied the following requirements is awarded academic degree (Utsunomiya University Regulations for the Degree)

3 requirements for completion with a master's thesis

1. Acquire 30 credits in total which are at least 10 credits from Regional Development and Creativity literacy and 20 credits from specialized courses.
2. Create and submit a master's thesis and pass an examination.
3. Pass the final examination with regards to the master's thesis.

3 requirements for completion of course works

1. Acquire 30 credits in total which are at least 10 credits from Regional Development and Creativity literacy and 20 credits from specialized courses.
2. Create and submit a supporting research report and pass an examination. A supporting research report may be accompanied with the work, etc. In that case, such works accompanied by the supporting research report are included.
3. Pass the final examination with regards to the supporting research report.

2. Course Terms

The standard term of study is 2 years, however there are special cases as follows.

◇Extension of the Period of Registration

This system allows students who have circumstances such as having a profession, to complete courses over a maximum period of 4 years in a planned manner exceeding the standard term (2 years). The total tuition fee for the period (extension of the period of registration), as long as the system is applied is the same as students for those enrolled in the same academic year. For example, if you set up the extension of the period for 4 years from enrollment having applied this system, the tuition fee for 2 years is divided over 4 years.

Please refer to "The Standards for Extension of the Period of Registration in Graduate Schools, Utsunomiya University" for the qualification and period of study, etc.

3. Research Guidance Implementation System

1 main academic supervisor and 2 sub academic supervisors to give guidance on research, thesis and courses according to "Research guidance plan and research progress report" and research support coordinator and research advisor are assigned to provide consultations on research. (Please see below image for more details.)

○Research support coordinator

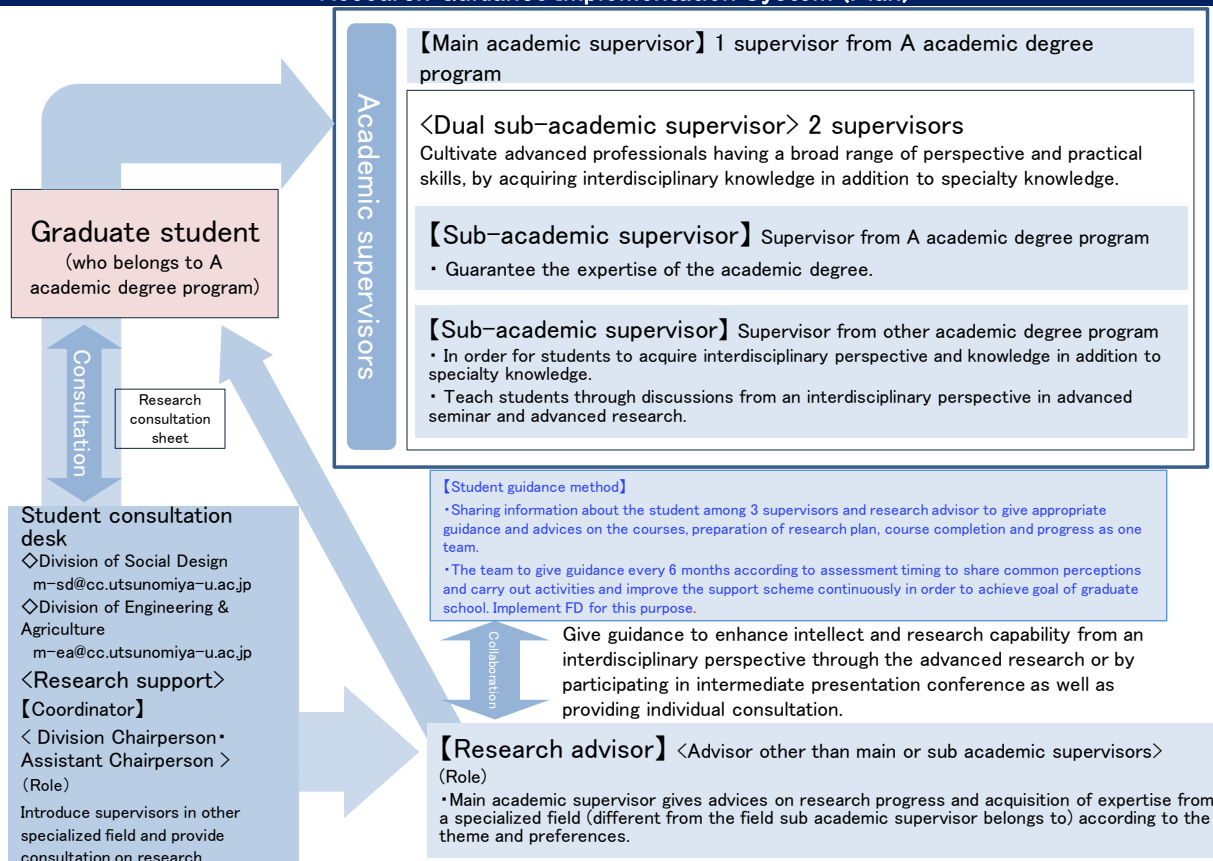
The initial consultation desk on research for supervisors and related researchers other than academic supervisor and sub academic supervisors.

○Research advisor

Provide consultations on specific matters.

Also, advices on both public and private aspects of student life are given.

Graduate School of Regional Development and Creativity (Master's Program) Research Guidance Implementation System (Plan)



4. Course Completion Method

Completion of the course is in accordance with School Regulations of Graduate Schools, Utsunomiya University and Detailed Regulations of Graduate Schools, Utsunomiya University Graduate School of Regional Development and Creativity.

(1) Course Notification

Students shall choose courses according to the guidance from academic advisor based on the course timetable and syllabus and register for the course by accessing the school portal via a computer in school within the prescribed period. Please refer to “Various procedures and bulletin” for the school portal. During the course registration confirmation period, please access the site again from the school portal to confirm and revise your course registration. After the course registration confirmation period, “Confirmation of course registration” is distributed by the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division. Please submit “Confirmation of course registration” to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division, after your academic advisor put the seal of approval on it.

(2) Course Time Table

The course name, time table code, time to start the course, academic in charge, class room are noted in the course time table. Intensive courses and irregular courses are notified in the bulletin board.

(3) Special Measures of Education Method Stipulated in Article 14 in The Standards for The Establishment of Graduate Schools (Evening and Holiday Courses)

Considering the research plan and the course plan, classes and research guidance may be given in special period of time, Saturdays, summer and winter holidays for adult students who cannot attend regularly scheduled courses due to work in a company, etc. and needs special measures educationally.

A person who wish to apply the special provision shall contact the Education and Student Affairs Department, Educational Affairs Division, Graduate Student Section (2nd floor in the service building) [TEL: 028(649)5107] and submit the application within the course registration period.

(4) Syllabus

Syllabus is a document about the course content, course and assessment method, etc. It is important for students to refer to the syllabus to confirm the content and select courses that match the study plan and own interests.

(5) Method of Taking Courses

※The course marked with “☆” in the English support field is the course subject to special measures for students who wish to take the course in English.

※Meaning list of the words in “Semester” field

1前	Spring semester in 1 st year
1後	Fall semester in 1 st year
1通	Full-year in 1 st year
2前	Spring semester in 2 nd year
2後	Fall semester in 2 nd year
2通	Full-year in 2 nd year

Development and Creativity Literacy Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Regional Creation Literacy	Advanced Interdisciplinary	☆ Social Design and Innovation for Regional Creation	2	1前	●6 credits (Compulsory)
		☆ Contemporary Society: Life and Emotion	1	1前	
		☆ Glocal Perspectives	1	1後	
		☆ Academic Communication	2	2通	
	Humanities	Introduction to Practical Management	1	1前	○At least 2 credits (Students of Graduate Program in Architecture and Building Engineering, Graduate Program in Civil Engineering, Graduate Program in Irrigation, Drainage and Rural Engineering, to take course as elective course)
		Management of Rural Organizations	1	1後	
		Studies in Tourism Geography	1	1後	
		Social Business	1	1前	
		☆ Disaster Management and International Cooperation I	1	1後	
		☆ Environmental Governance I	1	1後	
		☆ Human Security and the United Nations I	1	1前	
		☆ International Protection of Human Rights and Peacebuilding I	1	1後	
		☆ History of International Relations in East Asia I	1	1前	
		☆ Economy and Society in Latin America I	1	1後	
		☆ Social Development and Culture in East Africa I	1	1前	
		☆ Communication of Emotion in Multicultural Society I	1	1後	
		☆ Globalization and Transnational Migrants I	1	1前	
		☆ Japanese Academic Writing I	1	1前	
		☆ Studies in American Culture I	1	1後	
		☆ Studies on French Thought and Culture I	1	1後	
		☆ European Histories I	1	1前	
		Comparative Studies on East Asian Literature and Cultures I	1	1前	
		☆ Gender and Identity I	1	1前	
		☆ Multicultural Studies in Education I	1	1後	
		☆ Citizenship Education I	1	1後	
		☆ Studies in Japanese Culture I	1	1後	
		☆ Cultural Anthropology I	1	1前	
	☆ English Linguistics I	1	1後		
	☆ Studies on Immigrant Children I	1	1後		
	☆ Studies on Modern and Contemporary Philosophy I	1	1前		
	☆ Comparative Study of Contemporary Cultures I	1	1前		
	☆ Studies on Japanese linguistics and History of the Japanese Language I	1	1後		
	☆ Technical Japanese	1	1前		
Sciences	☆ Introductory Optical & Biological Sciences	1	1後	○At least 2 credits Students of Graduate Program in Community Design Studies, Graduate Program in Agricultural and Rural Economics, Graduate Program in Global and Area Studies, Graduate Program in Multicultural Studies, Graduate Program in Studies on Community and Human Development to take course as elective course)	
	☆ Mathematical Theory for Social phenomena	1	1後		
	Food Science	1	1後		
	Mechanical Engineering	1	1後		
	☆ Introduction to Information, Electrical & Electronic Systems Engineering	1	1前		
	☆ History of Natural Science	1	1前		
Practical Skills	☆ Introduction of Data Sciences for students majoring in humanities or social sciences	1	1後	○At least 2 credits	
	Practical Internship	2	1・2前後		
	Practical Fieldwork	2	1・2前後		
	Practice of Project-Based Learning	2	1前		
	☆ International Political Economy	2	1前		
	☆ Global Management	2	1前		
	☆ Globalization and Society	2	1後		
	International Internship	2	1・2前後		
On-site Studies	2	1・2前後			
Total			58	—	
<p>Completion requirement: At least 10 credits ●Compulsory course: 6 credits ○Elective course: At least 4 credits (2 credits from Humanities or Science course (specified according to the program) and 2 credits from Practical Skills)</p>					

Graduate Program in Community Design Studies Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	◇ } At least 1 credit from courses with ◇
		Project Work in Regional Design and Engineering	1	1・2前	
		Internship in Regional Design and Engineering	1	1・2前後	
	☆	Communication Skills for Engineers	1	1前	
	☆	Comprehensive Global and Area Studies	1	1前	
		Lecture on 'Society for all'	2	1前	
		Literacy of Community & Human Development Promotion	1	1前	
Subtotal			8	—	
Graduate Program in Community Design Studies	Fundamental Subjects	Policy Formation and Cooperative Activity	1	1後	○ At least 2 credits
		Community Policy	1	1前	
		Housing and Community Planning	1	1前	
		Regional design in harmony with Nature	1	1前	
		Welfare Management	1	1前	
	Social System Design	Policy Analysis and Governance	1	1後	○ At least 2 credits
		Economic Evaluation Method	1	1後	
		Economic Policy	1	1後	
		Conversation Analysis in Welfare	1	2前	
		Studies in Sports administration	1	2後	
		Adult and Community Education	1	1後	
		Psychological research methods	1	1後	
		Sociology of Urban and Community Studies	1	1前	
	Regional Resources Management	Culture and Life design	1	1前	○ At least 2 credits (※ Specialized course of Graduate Program in Agricultural and Rural Economics)
		Lifelong Learning Activities in community and Activity Theory	1	2前	
		Design and Region	1	2前	
		Participatory Design by the Ensemble	1	1後	
		Dietary Life in the Community	1	2前	
		Management of Rural Organizations	1	1後	
		Studies in Tourism Geography	1	1後	
	※	Rural Sociology	1	1後	
		Advanced Seminar in Community Design	4	1～2通	● 4 credits (Compulsory)
		Advanced Research for thesis in Community Design	6	1～2通	● 6 credits (Master any course as compulsory course)
		Non-thesis Research Project in Community Design	6	1～2通	
Subtotal			37	—	
Total			45	—	

Completion requirement At least 30 credits

① At least 10 credits from Regional Development and Creativity Literacy course

② At least 20 credits from Interdisciplinary Specialty course and Program Specialized course

● Compulsory course: 10 credits

○ Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)

Taking a course of "Advanced Studies in Sociology of Play and Emotion" which is specialized course of Studies of Community and Human Development Program is highly recommended since it is strongly associated with the Program.

Graduate Program in Agricultural and Rural Economics Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	●1 credit (Compulsory)
		Project Work in Regional Design and Engineering	1	1・2前	
		Internship in Regional Design and Engineering	1	1・2前後	
	☆	Communication Skills for Engineers	1	1前	
	☆	Comprehensive Global and Area Studies	1	1前	
		Lecture on 'Society for all'	2	1前	
		Literacy of Community & Human Development Promotion	1	1前	
Subtotal			8	—	
Graduate Program in Agricultural and Rural Economics	Fundamental Subjects	Agricultural & Rural Economics	1	1前	○At least 3 credits
		Agricultural policy	1	1前	
		Farming Organization	1	1前	
		History of Agriculture and Rural Society	1	1後	
		Rural Sociology	1	1後	
		☆ Agribusiness	1	2前	
		Rural Geography	1	1前	
	Advanced/Practical Subjects	Marketing	1	1前	○At least 3 credits
		Social Business	1	1前	
		Statistics	1	1後	
		Environmental Economics	1	2前	
		Food System	1	1後	
	☆	Advanced Seminar in Agricultural and Rural Economics	4	1～2通	●4 credits (Compulsory)
	☆	Advanced Research for thesis in Agricultural and Rural Economics	6	1～2通	●6 credits (Master any course as compulsory course)
☆	Non-thesis Research Project in Agricultural and Rural Economics	6	1～2通		
Subtotal			28	—	
Total			36	—	
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 11 credits</p> <p>○Elective course: At least 9 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)</p> <p>Taking courses of "Management of Rural Organizations" of Regional Development and Creativity Literacy course and "Economic Policy" and "Policy Analysis and Governance" of Community Design Program is highly recommended since they are strongly associated with the Program.</p>					

Graduate Program in Architecture and Building Engineering Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	○At least 1 credit (including "Program specialized course" of Graduate Program in Civil Engineering and Graduate Program in Irrigation, Drainage and Rural Engineering (※))
		Project Work in Regional Design and Engineering	1	1・2前	
		Internship in Regional Design and Engineering	1	1・2前後	
	☆	Communication Skills for Engineers	1	1前	
	☆	Comprehensive Global and Area Studies	1	1前	
		Lecture on 'Society for all'	2	1前	
		Literacy of Community & Human Development Promotion	1	1前	
Subtotal			8	—	
Graduate Program in Architecture and Building Engineering	Program Specialized Course	Advanced building Structure A	1	1前	○At least 7 credits
		Advanced building Structure B	1	1前	
		Earthquake Engineering for Building A	1	1前	
		Earthquake Engineering for Building B	1	1前	
		Advanced Structural Analysis for Building A	1	1後	
		Advanced Structural Analysis for Building B	1	1後	
		Advanced Building Structural Material A	1	1・2後	
		Advanced Building Structural Material B	1	1・2後	
		☆ Advanced Timber Building A	1	1・2後	
		☆ Advanced Timber Building B	1	1・2後	
		☆ Advanced Analysis on Existing Buildings A	1	1・2前	
		☆ Advanced Analysis on Existing Buildings B	1	1・2前	
		☆ Advanced Ecological Architecture A	1	1・2後	
		☆ Advanced Ecological Architecture B	1	1・2後	
		Advanced Environmental Control Engineering A	1	1・2前	
		Advanced Environmental Control Engineering B	1	1・2前	
		☆ Advanced Architectural Design A	1	1・2前	
		☆ Advanced Architectural Design B	1	1・2前	
		Advanced Architectural Planning A	1	1・2前	
		Advanced Architectural Planning B	1	1・2前	
		Advanced Urban Analysis A	1	1・2前	
		Advanced Urban Analysis B	1	1・2前	
		☆ Internship in Architecture I	1	1・2前・後	
		☆ Internship in Architecture II	2	1・2前・後	
		☆ Internship in Architecture III	3	1・2前・後	
		☆ Internship in Architecture IV	2	1・2前・後	
		☆ Internship in Architecture V	2	1・2前・後	
		☆ Internship in Architecture VI	2	1・2前・後	
		Practice of Architectural Design and Drawings I	2	1・2前・後	
		Practice of Architectural Design and Drawings II	2	1・2前・後	
☆ Advanced Seminar in Architecture I	2	1通	●4 credits(Compulsory)		
☆ Advanced Seminar in Architecture II	2	2通			
☆ Advanced Research for thesis in Architecture	6	1～2通	●6 credits (Master any course as compulsory course)		
☆ Advanced Practice of Architectural Design and Drawings	6	1～2通			
Subtotal			54	—	
Total			62	—	
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 10 credits</p> <p>○Elective course: At least 10 credits</p> <p>※ Except "Advanced Seminar in Civil Engineering", "Advanced Research for thesis in Civil Engineering", "Advanced Seminar in Agricultural Engineering" and "Advanced Research for thesis in Agricultural Engineering".</p>					

Graduate Program in Civil Engineering Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	} At least 1 credit (including "Program specialized course" of Graduate Program in Architecture and Building Engineering and Graduate Program in Irrigation, Drainage and Rural Engineering(※))
		Project Work in Regional Design and Engineering	1	1・2前	
		Internship in Regional Design and Engineering	1	1・2前後	
	☆	Communication Skills for Engineers	1	1前	
	☆	Comprehensive Global and Area Studies	1	1前	
		Lecture on 'Society for all'	2	1前	
		Literacy of Community & Human Development Promotion	1	1前	
Subtotal			8	—	
Graduate Program in Civil Engineering	Program Specialized Course	☆ Advanced Bridge Engineering	1	1後	} At least 7 credits
		☆ Advanced Seismic Engineering	1	1後	
		☆ Advanced Rock Mechanics	1	1前	
		Advanced Soil Mechanics	1	1前	
		Advanced Construction Material Engineering	1	1後	
		Advanced Environment Conscious Materials Engineering for Social Infrastructures	1	1後	
		☆ Advanced River Engineering	1	1前	
		Advanced Coastal Engineering	1	1後	
		☆ Advanced Water Environmental Engineering	1	1前	
		Advanced Geoenvironmental Engineering	1	1後	
		Advanced Urban Planning	1	1前	
		☆ Advanced Transportation Planning	1	2前	
		Advanced Disaster Reduction and Management	1	1前	
		☆ Advanced Global infrastructure Projects	1	1前	
	☆ Advanced Seminar in Civil Engineering	4	1～2通	} ● 10 credits (Compulsory)	
☆ Advanced Research for thesis in Civil Engineering	6	1～2通			
Subtotal			24	—	
Total			32	—	

Completion requirement At least 30 credits

① At least 10 credits from Regional Development and Creativity Literacy course

② At least 20 credits from Interdisciplinary Specialty course and Program Specialized course

● Compulsory course: 10 credits

○ Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 2 credits from other program courses are granted and regarded as completion requirement.)

※ Except "Advanced Seminar in Architecture I and II", "Advanced Research for thesis in Architecture", "Advanced Practice of Architectural Design and Drawings", "Advanced Seminar in Agricultural Engineering" and "Advanced Research for thesis in Agricultural Engineering".

Graduate Program in Irrigation, Drainage and Rural Engineering Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	○At least 1 credit (including "Program specialized course" of Graduate Program in Architecture and Building Engineering and Graduate Program in Civil Engineering(※))
		Project Work in Regional Design and Engineering	1	1・2前	
		Internship in Regional Design and Engineering	1	1・2前後	
	☆	Communication Skills for Engineers	1	1前	
	☆	Comprehensive Global and Area Studies	1	1前	
		Lecture on 'Society for all'	2	1前	
		Literacy of Community & Human Development Promotion	1	1前	
Subtotal			8	—	
Graduate Program in Irrigation, Drainage and Rural Engineering	Program Specialized Course	Environmental Mathematics A	1	1前	○At least 7 credits
		Environmental Mathematics B	1	1前	
		☆ Environmental Soil Physics A	1	1前	
		☆ Environmental Soil Physics B	1	1前	
		Soil and water conservation	1	1後	
		Irrigation Water Management	1	1後	
		Rural Eco-engineering A	1	1後	
		Rural Eco-engineering B	1	1後	
		Rural Management for Sustainable Development A	1	1前	
		Rural Management for Sustainable Development B	1	1前	
		☆ Rural development assistance in agriculture	1	1前	
		☆ Advanced Seminar in Agricultural Engineering	4	1～2通	
	☆ Advanced Research for thesis in Agricultural Engineering	6	1～2通		
Subtotal			21	—	
Total			29	—	

Completion requirement At least 30 credits

①At least 10 credits from Regional Development and Creativity Literacy course

②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course

●Compulsory course:10 credits

○Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 2 credits from other program courses are granted and regarded as completion requirement.)

※Except "Advanced Seminar in Architecture I and II", "Advanced Research for thesis in Architecture", "Advanced Practice of Architectural Design and Drawings", "Advanced Seminar in Civil Engineering" and "Advanced Research for thesis in Civil Engineering".

Graduate Program in Global and Area Studies Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion			
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前	●1 credit (Compulsory)			
		Project Work in Regional Design and Engineering	1	1・2前				
		Internship in Regional Design and Engineering	1	1・2前後				
	☆	Communication Skills for Engineers	1	1前				
	☆	Comprehensive Global and Area Studies	1	1前				
		Lecture on 'Society for all'	2	1前				
		Literacy of Community & Human Development Promotion	1	1前				
Subtotal			8	—				
Graduate Program in Global and Area Studies	Program Specialized Course	Fundamental Subjects	☆	Poverty Issues and International Cooperation I	1	1前	○At least 2 credits	
			☆	Disaster Management and International Cooperation I	1	1後		
			☆	Environmental Governance I	1	1後		
				Information and Network Technology I	1	1後		
			☆	Human Security and the United Nations I	1	1前		
			☆	International Protection of Human Rights and Peacebuilding I	1	1後		
			☆	Globalization and Project Management I	1	1後		
			☆	Global Education and Development Education I	1	1後		
		☆	International NPO Establishment and Practices I	1	1前			
		Global Studies	☆	Poverty Issues and International Cooperation II	1	1前		○At least 2 credits
			☆	Disaster Management and International Cooperation II	1	1後		
			☆	Environmental Governance II	1	1後		
				Information and Network Technology II	1	1後		
			☆	Human Security and the United Nations II	1	1前		
			☆	International Protection of Human Rights and Peacebuilding II	1	1後		
	☆		Globalization and Project Management II	1	1後			
	☆		Global Education and Development Education II	1	1後			
	Area Studies		Development and Community in Thailand I	1	1後	○At least 4 credits (※)		
			Development and Community in Thailand II	1	1後			
		☆	History of International Relations in East Asia I	1	1前			
		☆	History of International Relations in East Asia II	1	1前			
			History of Cultural Exchange in East Asia I	1	1前			
			History of Cultural Exchange in East Asia II	1	1前			
			Nature and Local Life in Japan I	1	1前			
			Nature and Local Life in Japan II	1	1前			
			American Economy and Finance I	1	1後			
			American Economy and Finance II	1	1後			
		☆	Economy and Society in Latin America I	1	1後			
		☆	Economy and Society in Latin America II	1	1後			
		☆	Politics and Society in the Middle East I	1	1後			
		☆	Politics and Society in the Middle East II	1	1後			
		☆	Social Development and Culture in East Africa I	1	1前			
		☆	Social Development and Culture in East Africa II	1	1前			
☆		Advanced On-site Studies I	2	1・2前後				
☆	Advanced On-site Studies II	2	1・2前後					
☆	Advanced Seminar in Global and Area Studies	4	1～2通	●4 credits (Compulsory)				
☆	Advanced Research for thesis in Global and Area Studies	6	1～2通	●6 credits (Master any course as compulsory course)				
☆	Non-thesis Research Project in Global and Area Studies	6	1～2通					
Subtotal			54	—				
Total			62	—				
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 11 credits</p> <p>○Elective course: At least 9 credits</p> <p>※It is compulsory to take at least 2 credits from "Advanced On-site Studies I (2 credits)" or "Advanced On-site Studies II (2 credits)" when selecting "Non-thesis Research Project in Global and Area Studies".</p>								

Graduate Program in Multicultural Studies Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前		
		Project Work in Regional Design and Engineering	1	1・2前		
		Internship in Regional Design and Engineering	1	1・2前後		
	☆	Communication Skills for Engineers	1	1前		
	☆	Comprehensive Global and Area Studies	1	1前		
		Lecture on 'Society for all'	2	1前		●2 credits (Compulsory)
		Literacy of Community & Human Development Promotion	1	1前		
Subtotal			8	—		
Graduate Program in Multicultural Studies	Fundamental Subjects	☆ Studies in Present-Day English I	1	1前	○At least 2 credits	
		☆ Communication of Emotion in Multicultural Society I	1	1後		
		Studies on Japanese Culture and Representation I	1	1前		
		☆ Globalization and Transnational Migrants I	1	1前		
		☆ Japanese Academic Writing I	1	1前		
		☆ Multicultural Studies in Education I	1	1後		
	Advanced/Practical Subjects	☆ Studies in Present-Day English II	1	1後	○At least 4 credits	
		☆ Communication of Emotion in Multicultural Society II	1	1後		
		Studies on Japanese Culture and Representation II	1	1前		
		☆ Globalization and Transnational Migrants II	1	1前		
		☆ Japanese Academic Writing II	1	1前		
		☆ Multicultural Studies in Education II	1	1後		
		☆ International Exchange and Japanese Language Education I	1	1前		
		☆ International Exchange and Japanese Language Education II	1	1前		
		☆ Studies in American Culture I	1	1後		
		☆ Studies in American Culture II	1	1後		
		☆ Culture of Britain I	1	2前		
		☆ Culture of Britain II	1	2前		
		Studies on French Thought and Culture I	1	1後		
		Studies on French Thought and Culture II	1	1後		
		☆ European Histories I	1	1前		
		☆ European Histories II	1	1前		
		Sexuality and Human Rights I	1	1前		
		Sexuality and Human Rights II	1	1前		
		Comparative Studies on East Asian Literature and Cultures I	1	1前		
		Comparative Studies on East Asian Literature and Cultures II	1	1前		
		Legal Perspectives on the Human Rights I	1	1後		
		Legal Perspectives on the Human Rights II	1	1後		
		☆ Gender and Identity I	1	1前		
		☆ Gender and Identity II	1	1後		
		Citizenship Education I	1	1後		
		☆ Citizenship Education II	1	1後		
		Studies on Japanese Literature I	1	1前		
Studies on Japanese Literature II	1	1前				
Studies in Japanese Culture I	1	1後				
Studies in Japanese Culture II	1	1後				
☆ Cultural Anthropology I	1	1前				
☆ Cultural Anthropology II	1	1前				

☆	Language Universals and the Study of English Grammar I	1	2前	
☆	Language Universals and the Study of English Grammar II	1	2前	
☆	English Phonetics I	1	1後	
☆	English Phonetics II	1	1後	
☆	English Linguistics I	1	1後	
☆	English Linguistics II	1	1後	
☆	Studies on Colonial Education I	1	1後	
☆	Studies on Colonial Education II	1	1後	
☆	Studies on Immigrant Children I	1	1後	
☆	Studies on Immigrant Children II	1	1後	
	Studies on Theory and History of Arts I	1	1後	
	Studies on Theory and History of Arts II	1	1後	
	Studies on Creation of Music I	1	1後	
	Studies on Creation of Music II	1	1後	
	Studies on Modern and Contemporary Philosophy I	1	1前	
	Studies on Modern and Contemporary Philosophy II	1	1前	
	Studies on Japanese History I	1	1後	
	Studies on Japanese History II	1	1後	
	Studies in Japanese Language Education I	1	1前	
	Studies in Japanese Language Education II	1	1前	
	Studies on European Culture and Representation I	1	2前	
	Studies on European Culture and Representation II	1	2前	
☆	Comparative Study of Contemporary Cultures I	1	1前	
☆	Comparative Study of Contemporary Cultures II	1	1前	
	Studies on Japanese linguistics and History of the Japanese Language I	1	1後	
	Studies on Japanese linguistics and History of the Japanese Language II	1	1後	
	Studies on Old Japanese I	1	1後	
	Studies on Old Japanese II	1	1後	
	Globalization and Education I	1	2前	
	Globalization and Education II	1	2前	
☆	Advanced Seminar in Multicultural Society	4	1～2通	●4 credits (Compulsory)
☆	Advanced Research for Thesis in Multicultural Society	6	1～2通	●6 credits (Master any course as compulsory course)
☆	Non-thesis Research Project in Multicultural Society	6	1～2通	
Subtotal		84	—	
Total		92	—	

Completion requirement At least 30 credits

①At least 10 credits from Regional Development and Creativity Literacy course

②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course

●Compulsory course: 12 credits

○Elective course: At least 8 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 2 credits from other program courses are granted and regarded as completion requirement.)

Taking courses of "Poverty Issues and International Cooperation I", "Poverty Issues and International Cooperation II", "Environmental Governance I" and "Environmental Governance II" which are Global and Area Studies specialized course is highly recommended since they are strongly associated with the Program.

Graduate Program in Studies on Community and Human Development Course (Division of Social Design)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course		Designing Local Society	1	1・2前		
		Project Work in Regional Design and Engineering	1	1・2前		
		Internship in Regional Design and Engineering	1	1・2前後		
	☆	Communication Skills for Engineers	1	1前		
	☆	Comprehensive Global and Area Studies	1	1前		
		Lecture on 'Society for all'	2	1前		
		Literacy of Community & Human Development Promotion	1	1前		●1 credit (Compulsory)
Subtotal			8	—		
Graduate Program in Studies on Community and Human Development	Fundamental Subjects	Advanced Studies in Methods of Human Development Promotion	2	1前	○At least 2 credits	
		Studies in Supporting Social Development & Social Participation	2	1後		
		Studies in Supporting Lifespan Development	2	1前		
		Advanced Psychology of Cultured Mind	2	1後		
		Advanced Studies in Health Promotion	2	1後		
		Studies in Supporting Environmental Education for Living	2	1前		
		Regional Art Management in Fine Arts	2	1前		
		Regional Art Management in Music	2	1後		
	Program Specialized Course	Advanced/Practical Subjects	☆ Studies for Human Support with Cognitive Psychology	2	1後	○At least 4 credits
			Advanced Studies in Sociology of Play and Emotion	2	1・2前	
			Advanced Studies in Environmental Systems and Societies	2	1・2後	
			Advanced Studies in Clothing Science	2	1・2前	
			Studies in Supporting Living Management	2	1・2後	
			Studies in Supporting Consumer Education	2	1・2後	
			Studies in Supporting Health Administration	2	1・2後	
			Advanced Studies in Human Health Sciences	1	1・2前	
			Advanced Studies in Motor Development	2	1・2前	
			Advanced Seminar in Human Movement	1	1・2後	
			Advanced Studies on Sports Coaching	1	1・2後	
			Studies in Supporting Lifelong Physical Development	2	1・2前	
			Advanced Seminar on Information & Communication	2	1・2前	
			Advanced Studies in Information Science & Technology	2	1・2後	
			☆ Advanced Seminar on Science Communication	2	1・2後	
			☆ Advanced Seminar on Artistic Expression	2	1・2後	
			Advanced Studies in Analysis of Drawing & Painting Techniques	2	1・2後	
			Regional Design Project	2	1後	
			Advanced Studies in Performing Arts	2	1・2後	
Studies in Supporting Voice Design	2	1・2前				
☆ Collaboration of sounds in Music	2	1・2前				
☆ Seminar on Foreign Language Communication	2	1・2後				
		Seminar on Logical Composition and Communication	2	1・2後		
		Advanced Seminar in Studies of Community and Human Development	4	1～2通	●4 credits (Compulsory)	
		Advanced Research for Thesis in Studies of Community and Human Development	6	1～2通	●6 credits (Master any course as compulsory course)	
		Non-thesis Research Project in Community and Human Development	6	1～2通		
Subtotal			75	—		
Total			83	—		
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 11 credits</p> <p>○Elective course: At least 9 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 2 credits from other program courses are granted and regarded as completion requirement.)</p> <p>Taking courses of "Poverty Issues and International Cooperation I", "Poverty Issues and International Cooperation II", "Environmental Governance I" and "Environmental Governance II" which are Global and Area Studies specialized course is highly recommended since they are strongly associated with the Program.</p>						

Development and Creativity Literacy Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion
Regional Creation Literacy	Advanced Interdisciplinary	☆ Social Design and Innovation for Regional Creation	2	1前	●6 credits (Compulsory)
		☆ Contemporary Society: Life and Emotion	1	1前	
		☆ Glocal Perspectives	1	1後	
		☆ Academic Communication	2	2通	
	Humanities	Introduction to Practical Management	1	1前	○At least 2 credits
		Management of Rural Organizations	1	1後	
		Studies in Tourism Geography	1	1後	
		Social Business	1	1前	
		☆ Disaster Management and International Cooperation I	1	1後	
		☆ Environmental Governance I	1	1後	
		☆ Human Security and the United Nations I	1	1前	
		☆ International Protection of Human Rights and Peacebuilding I	1	1後	
		☆ History of International Relations in East Asia I	1	1前	
		☆ Economy and Society in Latin America I	1	1後	
		☆ Social Development and Culture in East Africa I	1	1前	
		☆ Communication of Emotion in Multicultural Society I	1	1後	
		☆ Globalization and Transnational Migrants I	1	1前	
		☆ Japanese Academic Writing I	1	1前	
		☆ Studies in American Culture I	1	1後	
		☆ Studies on French Thought and Culture I	1	1後	
		☆ European Histories I	1	1前	
		Comparative Studies on East Asian Literature and Cultures I	1	1前	
		☆ Gender and Identity I	1	1前	
		☆ Multicultural Studies in Education I	1	1後	
		☆ Citizenship Education I	1	1後	
		Studies in Japanese Culture I	1	1後	
		☆ Cultural Anthropology I	1	1前	
		☆ English Linguistics I	1	1後	
		☆ Studies on Immigrant Children I	1	1後	
		Studies on Modern and Contemporary Philosophy I	1	1前	
		☆ Comparative Study of Contemporary Cultures I	1	1前	
		Studies on Japanese linguistics and History of the Japanese Language I	1	1後	
Technical Japanese	1	1前			
Practical Skills	Practical Internship	2	1・2前後	○At least 2 credits	
	Practical Fieldwork	2	1・2前後		
	Practice of Project-Based Learning	2	1前		
	☆ International Political Economy	2	1前		
	☆ Global Management	2	1前		
	☆ Globalization and Society	2	1後		
	International Internship	2	1・2前後		
	On-site Studies	2	1・2前後		
Total			51	—	
Completion requirement: At least 10 credits ●Compulsory course: 6 credits ○Elective course: At least 4 credits (2 credits from Humanities course and 2 credits from Practical Skills)					

Graduate Program in Optical Engineering Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前	○At least 1 credit	
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
	Engineer Coaching	1	1前			
	Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後			
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
Subtotal			28	—		
Graduate Program in Optical Engineering	Program Specialized course	☆	Scientific Writing	1	2前	○At least 6 credits
		☆	Wave-optical Engineering	2	1・2前	
		☆	Optical metrology	2	1・2後	
		☆	Optical Waveguide Devices	2	1・2後	
		☆	Information Optics	2	1・2後	
		☆	Laser Plasma Engineering	2	1・2前	
		☆	Optical Design	2	1後	
		☆	Mathematical Physics in Optics	2	1・2前	
		☆	Kansei Information Processing	2	1・2前	
		☆	Advanced Photonics	2	1・2前	
		☆	Optomechatronics	2	1・2前	
		☆	Principles on Optical Systems	2	1・2後	
		☆	Visualization and Image Processing	2	1・2後	
		☆	Image Processing	2	1後	
		☆	Display Engineering	2	1・2後	
		☆	Power Laser Engineering	2	1・2前	
		☆	Advanced Seminar in Optical Science & Engineering	4	1～2通	●10 credits (Compulsory)
	☆	Advanced Research for Thesis in Optical Science & Engineering	6	1～2通		
Subtotal			41	—		
Total			69	—		
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 10 credits</p> <p>○Elective course: At least 10 credits</p>						

Graduate Program in Molecular Agriculture Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前	○At least 1 credit	
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
		Engineer Coaching	1	1前		
		Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後		
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
Subtotal			28	—		
Graduate Program in Molecular Agriculture	Program Specialized course	☆	Molecular Plant Protection	2	1・2後	○At least 6 credits
		☆	Plant Molecular Genetics and Breeding	2	1・2後	
		☆	Molecular Aspects of Plant Physiology	2	1・2前	
		☆	Molecular Evolutionary Ecology	2	1・2後	
		☆	Molecular Physiology in Animal Science	2	1・2前	
		☆	Genetics and Reproduction in Animal Science	2	1・2後	
	☆	Advanced Seminar in Molecular Agriculture	4	1～2通	●10 credits (Compulsory)	
	☆	Advanced Research for thesis in Molecular Agriculture	6	1～2通		
Subtotal			22			
Total			50			

Completion requirement At least 30 credits

①At least 10 credits from Regional Development and Creativity Literacy course

②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course

●Compulsory course: 10 credits

○Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前	○At least 2 credits	
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
		Engineer Coaching	1	1前		
		Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後		
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
	Subtotal	28	—			
Graduate Program in Material and Environmental Chemistry	Program Specialized course		Elements of Physical Chemistry	2	1前	○At least 4 credits
			Molecular Structure Chemistry	2	1前	
			Chemistry of Functional Molecules and Materials	2	1後	
			Material and Environmental Engineering	2	1後	
	☆	Advanced Seminar in Material & Environmental Chemistry	4	1～2通	●10 credits (Compulsory)	
	☆	Advanced Research for thesis in Material & Environmental Chemistry	6	1～2通		
	Subtotal	18	—			
Total			46	—		
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 10 credits</p> <p>○Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)</p>						

Graduate Program in Agricultural Biological Chemistry Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前		
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後	○At least 2 credits	
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
		Engineer Coaching	1	1前		
		Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後		
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
	Subtotal	28	—			
Graduate Program in Agricultural Biological Chemistry	Program Specialized course		The Frontier of Agricultural Biological Chemistry	2	1前	○At least 4 credits
		☆	Chemistry of Physiologically Active Substances	2	1前	
		☆	Nutritional and Physiological Chemistry	2	2前	
		☆	Plant Functional Chemistry	2	1後	
			Science and Technology Related to Our Life	2	1前	
	☆	Advanced Seminar in Agricultural Biological Chemistry	4	1～2通	●10 credits (Compulsory)	
	☆	Advanced Research for thesis in Agricultural Biological Chemistry	6	1～2通		
	Subtotal	20	—			
	Total	48	—			
Completion requirement At least 30 credits ①At least 10 credits from Regional Development and Creativity Literacy course ②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course ●Compulsory course: 10 credits ○Elective course: At least 10 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)						

Graduate Program in Mechanical and Intelligent Engineering Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Course	☆	Fundamental Optics	1	1前		
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		○At least 2 credits
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
		Engineer Coaching	1	1前		
		Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後		
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
	Subtotal	28	—			
Graduate Program in Mechanical and Intelligent Engineering	Program Specialized course		Experimental Fluid Dynamics	2	1後	○At least 4 credits
		☆	Materials and Joining Engineering	2	1前	
			Manufacturing Technology Engineering	2	1前	
			Advanced Precision Machining	2	1後	
			Metal Forming Engineering	2	1前	
		☆	Dynamical systems theory	2	1前	
			Stochastic Systems Theory	2	1後	
			Robot Technology	2	1後	
			Intelligent Robotics	2	1後	
		☆	Geometrical Mathematics for Mechanical Engineering	2	1前	
			Geometry of Nonlinear Phenomena I	2	1前	
			Geometry of Nonlinear Phenomena II	2	1後	
		☆	Advanced Seminar in Mechanical and Intelligent Engineering	4	1～2通	
☆	Advanced Research for thesis in Mechanical and Intelligent Engineering	6	1～2通			
	Subtotal	34	—			
Total			62	—		
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>●Compulsory course: 10 credits</p> <p>○Elective course: At least 10 credits under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 2 credits from other program courses are granted and regarded as completion requirement.)</p>						

Graduate Program in Information, Electrical and Electronic Systems Engineering

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前		
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
	Mechatronics Control	2	1後			
	Electromagnetics from Basic to Advanced	2	1前	} ○ At least 2 credits		
☆	Quantum Electronics	2	1後			
	Engineer Coaching	1	1前			
	Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後			
☆	"Smart-agri" Solutions and Technology	1	1後			
☆	Practicum of Policy Issues	1	1後			
	Subtotal	28	—			
Graduate Program in Information, Electrical and Electronic Systems Engineering	Fundamental Subjects	☆	Advanced Studies on Mathematical Sciences	2	1前	} ○ At least 2 credits
		☆	Advanced Mathematical Analysis	2	1後	
		☆	Advanced Nonlinear Analysis	2	1前	
		☆	Advanced Applied Mathematics	2	1後	
	Fundamental Element Technologies	☆	Advanced Theory of Signal Processing	2	1後	} ○ At least 2 credits
			Introduction to Software Technology	2	1前	
		☆	Data Engineering	2	1後	
		☆	Digital Image Processing and its Applications	2	1後	
			Acoustic Informatics	2	1後	
		☆	Information Statistics	2	1前	
		☆	Superconducting Electronics	2	1前	
		☆	Spintronics	2	1後	
			Optical Control Circuit Engineering	2	1前	
			Microwave and Millimeter wave Circuit Engineering	2	1前	
		☆	Energy Science	1	1前	
		☆	Laser Engineering	2	1前	
		☆	Electric Vehicle	2	1前	
		☆	Advanced Power Electronics	2	1前	
	☆	Robust Control Theory	2	1前		
	☆	Quantum Theory of Condensed Matter	2	1前		
		Solid State Physics	2	1後		
	System Application Technologies	☆	Advanced Applied Information Systems	2	1後	} ○ At least 2 credits
			Advanced Information Networks	2	1前	
		☆	Advanced Computer Architecture	2	1前	
		☆	Smart City Technologies	1	1後	
			Optimization Techniques for Large Scale Systems	2	1前	
			Systems Biology	2	1後	
☆		Advanced Theory of Image Restoration	2	1後		
		Kansei Information Processing System	2	1後		
		Advanced Computer Graphics	2	1後		
	Advanced Network Computing	2	1後			
☆	Advanced Seminar in Information, Electrical and Electronic Systems Engineering	4	1~2通	} ● 10 credits (Compulsory)		
☆	Advanced Research for thesis in Information, Electrical and Electronic Systems Engineering	6	1~2通			
	Subtotal	70	—			
	Total	98	—			
Completion requirement At least 30 credits ①At least 10 credits from Regional Development and Creativity Literacy course ②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course ● Compulsory course: 10 credits ○ Elective course: At least 10 credits						

Graduate Program in Agricultural and Environmental Sciences Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion	
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前		
	☆	Fundamental Optics Engineering	1	1後		
	☆	Techniques for Analyzing Genetic Information	1	1前		
	☆	Techniques for Analyzing Cells	1	1前		
	☆	Techniques for Analyzing Mass Spectra	1	1後		
	☆	Biodesign and Bioprocessing	1	1後		
		Environmental Analytical Chemistry	1	1後		
		Chemical System Engineering	1	1後		
		Material Processing Engineering	1	2前		
	☆	Molecular Physiological Chemistry	1	2前		
		Interfacial Chemistry	1	2前		
		Food Science	1	1後		
	☆	Microstructural Characterization of Materials	2	1前		
		Biomechanical Engineering	2	1前		
	☆	Micro-Nano Engineering	2	1後		
		Mechatronics Control	2	1後		
	☆	Electromagnetics from Basic to Advanced	2	1前		
	☆	Quantum Electronics	2	1後		
		Engineer Coaching	1	1前		
	Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後			
☆	"Smart-agri" Solutions and Technology	1	1後	● 2 credits (Compulsory)		
☆	Practicum of Policy Issues	1	1後			
	Subtotal	28	—			
Graduate Program in Agricultural and Environmental Sciences	Program Specialized course		1	1前	○ At least 5 credits	
		☆	Earth and Environment Through Time	1		1前
		☆	Crop Physiology and Ecology	1		1前
			Plant Nutrition and Fertilizer	1		1前
			Soil Science in Regional Aspects	1		1前
		☆	Physiology of Horticultural Crops	1		1前
		☆	Advanced PhytoBacteriology	1		1後
			The Problems and Views for Current Crop Production Technology	1		1後
			Field Science of Horticultural Crops	1		1前
			Breeding Science of Crops	1		1後
			Pest Control and Molecular Ecology	1		1後
			Relationships between Viruses and Living Organisms	1		1後
		☆	Animal Behavior Management	1		1後
			Animal Morphology	1		1前
			Study of Human Animal Relations	1		1後
			Advanced Weed Management	1		1前
			Vegetation Management	1		1前
			Wildlife Management	1		1前
		☆	Environment and Information Engineering of Bioproduction	1		1前
			Environmental Control in Biology	1		1後
			Agricultural Machinery	1		1後
			Agro-Environmental System Analysis	1		1後
			Food Distribution Engineering	1		1前
			Systems Analysis of Bioproduction and Distribution	1		1後
		☆	Crop and Environmental Sciences	1		1後
		☆	Scientific English	1		1前
			Special Lecture in Agricultural and Environmental Sciences I	1		1通
	Special Lecture in Agricultural and Environmental Sciences II	1	1通			
	Special Lecture in Agricultural and Environmental Sciences III	1	1通			
☆	Advanced Seminar in Agricultural and Environmental Sciences	4	1~2通	● 10 credits (Compulsory)		
☆	Advanced Research for thesis in Agricultural and Environmental Sciences	6	1~2通			
	Subtotal	38	—			
	Total	66	—			
<p>Completion requirement At least 30 credits</p> <p>①At least 10 credits from Regional Development and Creativity Literacy course</p> <p>②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course</p> <p>● Compulsory course: 12 credits</p> <p>○ Elective course: At least 8 credits (under the consultation and guidance by an academic supervisor, when deeming it to be effective from an educational standpoint, up to 3 credits from other program courses are granted and regarded as completion requirement.)</p>						

Graduate Program in Forest Production and Conservation Course (Division of Engineering & Agriculture)

Course classification	English support	Course name	Credits	Semester	Method of completion
Interdisciplinary Specialty Course	☆	Fundamental Optics	1	1前	
	☆	Fundamental Optics Engineering	1	1後	
	☆	Techniques for Analyzing Genetic Information	1	1前	
	☆	Techniques for Analyzing Cells	1	1前	
	☆	Techniques for Analyzing Mass Spectra	1	1後	
	☆	Biodesign and Bioprocessing	1	1後	
		Environmental Analytical Chemistry	1	1後	
		Chemical System Engineering	1	1後	
		Material Processing Engineering	1	2前	
	☆	Molecular Physiological Chemistry	1	2前	
		Interfacial Chemistry	1	2前	
		Food Science	1	1後	
	☆	Microstructural Characterization of Materials	2	1前	
		Biomechanical Engineering	2	1前	
	☆	Micro-Nano Engineering	2	1後	
		Mechatronics Control	2	1後	
	☆	Electromagnetics from Basic to Advanced	2	1前	
	☆	Quantum Electronics	2	1後	
		Engineer Coaching	1	1前	
		Special Lecture in Information, Electrical & Electronic Systems Engineering	1	1・2後	
	☆	"Smart-agri" Solutions and Technology	1	1後	● 2 credits (Compulsory)
	☆	Practicum of Policy Issues	1	1後	
Subtotal			28	—	
Graduate Program in Forest Production and Conservation	Fundamental Subjects	Practice of Silviculture	1	1前	● 4 credits (Compulsory)
		Policy for Forest Management	1	1前	
		Forest Engineering	1	1前	
		Utilization for Forest Products	1	1前	
	Advanced/Practical Subjects	Ecological Basis for Silviculture	1	1前	○ 4 credits
		SABO Engineering	1	1前	
		Forest Policy	1	1前	
		Plannning for Forest Management	1	1前	
		Forest Operation	1	1前	
		Forest Botany	1	1後	
		Forest Economics	1	1前	
		Wood Property for Dendrology	1	1前	
	Forest Products Management	1	1後		
	Special Lecture in Forest Science	1	1通		
	Advanced Seminar in Forest Science	4	1～2通	● 10 credits (Compulsory)	
	Advanced Research for Thesis in Forest Science	6	1～2通		
Subtotal			24	—	
Total			52	—	
Completion requirement At least 30 credits ①At least 10 credits from Regional Development and Creativity Literacy course ②At least 20 credits from Interdisciplinary Specialty course and Program Specialized course ● Compulsory course: 16 credits ○ Elective course: At least 4 credits					

(6) Assessment Method

Assessment method is described in syllabus as well as explained by the teacher in charge of the course. Please note that the assessment method differs depending on the course and the teacher in charge.

The marks are as follows from the highest to the lowest.

Excellent, Very good, Good, Passed, Not passed

Credits can be earned if it's Passed or higher.

Students who are recognized as having an outstanding academic record are awarded scholarships by "Utsunomiya University scholarship (incentive) program"

Also, the academic record is used for the screening such as scholarships and tuition exemption.

(7) Acquisition of School Teacher's License (Additional matter)

A person who has prescribed basic qualifications (Junior High and Senior High School Class-1 Teaching License) and has taken the prescribed course in this graduate school defined by the Teacher's License Law and its Enforcement Regulation is granted Junior High and Senior High School Specialist Teaching License in this graduate school.

The types and subjects of Specialist Teaching License can be granted in each course are as follows.

Division of Social Design

○Junior High School Specialist Teaching License (Japanese language•Social studies•Music•Art•Health and physical education•Home economics•English language)

○Senior High School Specialist Teaching License (Japanese language•Geography–History•Civics•Music•Art•Health and physical education•Home economics•Agriculture•English language)

Division of Engineering & Agriculture

○Junior High School Specialist Teaching License (Science)

○Senior High School Specialist Teaching License (Science•Engineering•Agriculture)

□Division of Social Design

○Junior High School Specialist Teaching License (Japanese language)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Seminar on Logical Composition and Communication	2	Graduate Program in Studies on Community and Human Development	24
	Studies on Japanese Culture and Representation I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Culture and Representation II	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Literature I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Literature II	1	Graduate Program in Multicultural Studies	
	Studies on Old Japanese I	1	Graduate Program in Multicultural Studies	
	Studies on Old Japanese II	1	Graduate Program in Multicultural Studies	
	Studies on Japanese linguistics and History of the Japanese Language I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese linguistics and History of the Japanese Language II	1	Graduate Program in Multicultural Studies	
	Studies in Japanese Culture I	1	Graduate Program in Multicultural Studies	
	Studies in Japanese Culture II	1	Graduate Program in Multicultural Studies	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies	
	Citizenship Education I	1	Graduate Program in Multicultural Studies	
	Citizenship Education II	1	Graduate Program in Multicultural Studies	
	Studies for Human Support with Cognitive	2	Graduate Program in Studies on Community	

	Psychology		and Human Development	
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development	
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development	

○Junior High School Specialist Teaching License (Social studies)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Studies on Japanese History I	1	Graduate Program in Multicultural Studies	24
	Studies on Japanese History II	1	Graduate Program in Multicultural Studies	
	Legal Perspectives on the Human Rights I	1	Graduate Program in Multicultural Studies	
	Legal Perspectives on the Human Rights II	1	Graduate Program in Multicultural Studies	
	European Histories I	1	Graduate Program in Multicultural Studies	
	European Histories II	1	Graduate Program in Multicultural Studies	
	Studies in Tourism Geography	1	Graduate Program in Community Design Studies	
	Policy Formation and Cooperative Activity	1	Graduate Program in Community Design Studies	
	Policy Analysis and Governance	1	Graduate Program in Community Design Studies	
	Economic Evaluation Method	1	Graduate Program in Community Design Studies	
	Economic Policy	1	Graduate Program in Community Design Studies	
	Rural Geography	1	Graduate Program in Agricultural and Rural Economics	
	Advanced Studies in Environmental Systems and Societies	2	Graduate Program in Studies on Community and Human Development	
	Poverty Issues and International Cooperation I	1	Graduate Program in Global and Area Studies	
	Poverty Issues and International Cooperation II	1	Graduate Program in Global and Area Studies	
	Environmental Governance I	1	Graduate Program in Global and Area Studies	
	Environmental Governance II	1	Graduate Program in Global and Area Studies	
History of International Relations in East	1	Graduate Program in Global and Area		

	Asia I		Studies
	History of International Relations in East Asia II	1	Graduate Program in Global and Area Studies
	History of Cultural Exchange in East Asia I	1	Graduate Program in Global and Area Studies
	History of Cultural Exchange in East Asia II	1	Graduate Program in Global and Area Studies
	Nature and Local Life in Japan I	1	Graduate Program in Global and Area Studies
	Nature and Local Life in Japan II	1	Graduate Program in Global and Area Studies
	American Economy and Finance I	1	Graduate Program in Global and Area Studies
	American Economy and Finance II	1	Graduate Program in Global and Area Studies
	Economy and Society in Latin America I	1	Graduate Program in Global and Area Studies
	Economy and Society in Latin America II	1	Graduate Program in Global and Area Studies
	Politics and Society in the Middle East I	1	Graduate Program in Global and Area Studies
	Politics and Society in the Middle East II	1	Graduate Program in Global and Area Studies
	Social Development and Culture in East Africa I	1	Graduate Program in Global and Area Studies
	Social Development and Culture in East Africa II	1	Graduate Program in Global and Area Studies
	Studies on Modern and Contemporary Philosophy I	1	Graduate Program in Multicultural Studies
	Studies on Modern and Contemporary Philosophy II	1	Graduate Program in Multicultural Studies
	Studies on French Thought and Culture I	1	Graduate Program in Multicultural Studies
	Studies on French Thought and Culture II	1	Graduate Program in Multicultural Studies
Course related to basic understanding	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development

of education	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
	Adult and Community Education	1	Graduate Program in Community Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Junior High School Specialist Teaching License (Music)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Studies in Supporting Voice Design	2	Graduate Program in Studies on Community and Human Development	24
	Regional Art Management in Music	2	Graduate Program in Studies on Community and Human Development	
	Studies on Creation of Music I	1	Graduate Program in Multicultural Studies	
	Studies on Creation of Music II	1	Graduate Program in Multicultural Studies	
	Participatory Design by the Ensemble	1	Graduate Program in Community Design Studies	
	Advanced Studies in Performing Arts	2	Graduate Program in Studies on Community and Human Development	
	Collaboration of sounds in Music	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural	

			Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Junior High School Specialist Teaching License (Art)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Regional Art Management in Fine Arts	2	Graduate Program in Studies on Community and Human Development	24
	Advanced Seminar on Artistic Expression	2	Graduate Program in Studies on Community and Human Development	
	Studies on Theory and History of Arts I	1	Graduate Program in Multicultural Studies	
	Studies on Theory and History of Arts II	1	Graduate Program in Multicultural Studies	
	Design and Region	1	Graduate Program in Community Design Studies	
	Advanced Studies in Analysis of Drawing & Painting Techniques	2	Graduate Program in Studies on Community and Human Development	
	Regional Design Project	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural	

			Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Junior High School Specialist Teaching License(Health and physical education)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Advanced Studies in Motor Development	2	Graduate Program in Studies on Community and Human Development	24
	Studies in Supporting Health Administration	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Health Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Sports administration	1	Graduate Program in Community Design Studies	
	Advanced Studies on Sports Coaching	1	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Lifelong Physical Development	2	Graduate Program in Studies on Community and Human Development	
	Advanced Seminar in Human Movement	1	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Human Health Sciences	1	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural	

			Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Junior High School Specialist Teaching License(Home economics)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Housing and Community Planning	1	Graduate Program in Community Design Studies	24
	Culture and Life design	1	Graduate Program in Community Design Studies	
	Dietary Life in the Community	1	Graduate Program in Community Design Studies	
	Sexuality and Human Rights I	1	Graduate Program in Multicultural Studies	
	Sexuality and Human Rights II	1	Graduate Program in Multicultural Studies	
	Advanced Studies in Clothing Science	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Living Management	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Environmental Education for Lining	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Consumer Education	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural	

			Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Junior High School Specialist Teaching License(English language)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Seminar on Foreign Language Communication	2	Graduate Program in Studies on Community and Human Development	24
	English Linguistics I	1	Graduate Program in Multicultural Studies	
	English Linguistics II	1	Graduate Program in Multicultural Studies	
	Studies in Present-Day English I	1	Graduate Program in Multicultural Studies	
	Studies in Present-Day English II	1	Graduate Program in Multicultural Studies	
	Studies in American Culture I	1	Graduate Program in Multicultural Studies	
	Studies in American Culture II	1	Graduate Program in Multicultural Studies	
	Culture of Britain I	1	Graduate Program in Multicultural Studies	
	Culture of Britain II	1	Graduate Program in Multicultural Studies	
	Comparative Study of Contemporary Cultures I	1	Graduate Program in Multicultural Studies	
	Comparative Study of Contemporary Cultures II	1	Graduate Program in Multicultural Studies	
	English Phonetics I	1	Graduate Program in Multicultural Studies	
	English Phonetics II	1	Graduate Program in Multicultural Studies	
	Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	
Studies in Supporting Social Development & Social Participation		2	Graduate Program in Studies on Community and Human Development	
Advanced Studies in Sociology of Play and		2	Graduate Program in Studies on	

Emotion		Community and Human Development
Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
Adult and Community Education	1	Graduate Program in Community Design Studies
Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
Citizenship Education I	1	Graduate Program in Multicultural Studies
Citizenship Education II	1	Graduate Program in Multicultural Studies
Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Japanese language)

License Law Course classification	Course, credit and class program, etc.		Minimum required credits	
Course related to subject and its teaching method	Seminar on Logical Composition and Communication	2	Graduate Program in Studies on Community and Human Development	24
	Studies on Japanese Culture and Representation I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Culture and Representation II	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Literature I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese Literature II	1	Graduate Program in Multicultural Studies	
	Studies on Old Japanese I	1	Graduate Program in Multicultural Studies	
	Studies on Old Japanese II	1	Graduate Program in Multicultural Studies	
	Studies on Japanese linguistics and History of the Japanese Language I	1	Graduate Program in Multicultural Studies	
	Studies on Japanese linguistics and History of the Japanese Language II	1	Graduate Program in Multicultural Studies	
	Studies in Japanese Culture I	1	Graduate Program in Multicultural Studies	
	Studies in Japanese Culture II	1	Graduate Program in Multicultural Studies	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural	

			Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Geography–History)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Studies on Japanese History I	1	Graduate Program in Multicultural Studies	24
	Studies on Japanese History II	1	Graduate Program in Multicultural Studies	
	European Histories I	1	Graduate Program in Multicultural Studies	
	European Histories II	1	Graduate Program in Multicultural Studies	
	Studies in Tourism Geography	1	Graduate Program in Community Design Studies	
	Rural Geography	1	Graduate Program in Agricultural and Rural Economics	
	Advanced Studies in Environmental Systems and Societies	2	Graduate Program in Studies on Community and Human Development	
	History of Cultural Exchange in East Asia I	1	Graduate Program in Global and Area Studies	
	History of Cultural Exchange in East Asia II	1	Graduate Program in Global and Area Studies	
	Nature and Local Life in Japan I	1	Graduate Program in Global and Area Studies	
	Nature and Local Life in Japan II	1	Graduate Program in Global and Area Studies	
	Social Development and Culture in East Africa I	1	Graduate Program in Global and Area Studies	
	Social Development and Culture in East Africa II	1	Graduate Program in Global and Area Studies	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	

	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Civics)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Legal Perspectives on the Human Rights I	1	Graduate Program in Multicultural Studies	24
	Legal Perspectives on the Human Rights II	1	Graduate Program in Multicultural Studies	
	Policy Formation and Cooperative Activity	1	Graduate Program in Community Design Studies	
	Policy Analysis and Governance	1	Graduate Program in Community Design Studies	
	Economic Evaluation Method	1	Graduate Program in Community Design Studies	
	Economic Policy	1	Graduate Program in Community Design Studies	
	Poverty Issues and International Cooperation I	1	Graduate Program in Global and Area Studies	
	Poverty Issues and International Cooperation II	1	Graduate Program in Global and Area Studies	
	Environmental Governance I	1	Graduate Program in Global and Area Studies	
	Environmental Governance II	1	Graduate Program in Global and Area Studies	
	History of International Relations in East Asia I	1	Graduate Program in Global and Area Studies	
	History of International Relations in East Asia II	1	Graduate Program in Global and Area Studies	
	American Economy and Finance I	1	Graduate Program in Global and Area Studies	
	American Economy and Finance II	1	Graduate Program in Global and Area Studies	
	Economy and Society in Latin America I	1	Graduate Program in Global and Area Studies	
	Economy and Society in Latin America II	1	Graduate Program in Global and Area Studies	
	Politics and Society in the Middle East I	1	Graduate Program in Global and Area Studies	
Politics and Society in the Middle East II	1	Graduate Program in Global and Area Studies		

			Studies
	Studies on Modern and Contemporary Philosophy I	1	Graduate Program in Multicultural Studies
	Studies on Modern and Contemporary Philosophy II	1	Graduate Program in Multicultural Studies
	Studies on French Thought and Culture I	1	Graduate Program in Multicultural Studies
	Studies on French Thought and Culture II	1	Graduate Program in Multicultural Studies
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
	Adult and Community Education	1	Graduate Program in Community Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Music)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Studies in Supporting Voice Design	2	Graduate Program in Studies on Community and Human Development	24
	Regional Art Management in Music	2	Graduate Program in Studies on Community and Human Development	
	Studies on Creation of Music I	1	Graduate Program in Multicultural Studies	
	Studies on Creation of Music II	1	Graduate Program in Multicultural Studies	
	Participatory Design by the Ensemble	1	Graduate Program in Community Design Studies	
	Advanced Studies in Performing Arts	2	Graduate Program in Studies on Community and Human Development	
	Collaboration of sounds in Music	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural	

			Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Art)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Regional Art Management in Fine Arts	2	Graduate Program in Studies on Community and Human Development	24
	Advanced Seminar on Artistic Expression	2	Graduate Program in Studies on Community and Human Development	
	Studies on Theory and History of Arts I	1	Graduate Program in Multicultural Studies	
	Studies on Theory and History of Arts II	1	Graduate Program in Multicultural Studies	
	Design and Region	1	Graduate Program in Community Design Studies	
	Advanced Studies in Analysis of Drawing & Painting Techniques	2	Graduate Program in Studies on Community and Human Development	
	Regional Design Project	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural	

			Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Health and physical education)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Advanced Studies in Motor Development	2	Graduate Program in Studies on Community and Human Development	24
	Studies in Supporting Health Administration	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Health Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Sports administration	1	Graduate Program in Community Design Studies	
	Advanced Studies on Sports Coaching	1	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Lifelong Physical Development	2	Graduate Program in Studies on Community and Human Development	
	Advanced Seminar in Human Movement	1	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Human Health Sciences	1	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies	
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies	
	Citizenship Education I	1	Graduate Program in Multicultural Studies	
	Citizenship Education II	1	Graduate Program in Multicultural Studies	
	Studies for Human Support with Cognitive	2	Graduate Program in Studies on	

	Psychology		Community and Human Development	
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development	
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development	

○Senior High School Specialist Teaching License (Home economics)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Housing and Community Planning	1	Graduate Program in Community Design Studies	24
	Culture and Life design	1	Graduate Program in Community Design Studies	
	Dietary Life in the Community	1	Graduate Program in Community Design Studies	
	Sexuality and Human Rights I	1	Graduate Program in Multicultural Studies	
	Sexuality and Human Rights II	1	Graduate Program in Multicultural Studies	
	Advanced Studies in Clothing Science	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Living Management	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Environmental Education for Lining	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Consumer Education	2	Graduate Program in Studies on Community and Human Development	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community Design Studies	
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies	
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies	
	Studies on Colonial Education II	1	Graduate Program in Multicultural	

			Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Agriculture)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Agricultural policy	1	Graduate Program in Agricultural and Rural Economics	24
	Farming Organization	1	Graduate Program in Agricultural and Rural Economics	
	History of Agriculture and Rural Society	1	Graduate Program in Agricultural and Rural Economics	
	Rural Sociology	1	Graduate Program in Agricultural and Rural Economics	
	Agribusiness	1	Graduate Program in Agricultural and Rural Economics	
	Marketing	1	Graduate Program in Agricultural and Rural Economics	
	Social Business	1	Graduate Program in Agricultural and Rural Economics	
	Statistics	1	Graduate Program in Agricultural and Rural Economics	
	Environmental Economics	1	Graduate Program in Agricultural and Rural Economics	
	Food System	1	Graduate Program in Agricultural and Rural Economics	
	Designing Local Society	1	Interdisciplinary Course	
	Environmental Soil Physics A	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
	Environmental Soil Physics B	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
	Soil and water conservation	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
	Rural Management for Sustainable Development A	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
	Rural Management for Sustainable Development B	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
	Rural development assistance in agriculture	1	Graduate Program in Irrigation, Drainage and Rural Engineering	
Irrigation Water Management	1	Graduate Program in Irrigation, Drainage and Rural Engineering		

	Rural Eco-engineering A	1	Graduate Program in Irrigation, Drainage and Rural Engineering
	Rural Eco-engineering B	1	Graduate Program in Irrigation, Drainage and Rural Engineering
	Psychological research methods	1	Graduate Program in Community Design Studies
	Management of Rural Organizations	1	Graduate Program in Community Design Studies
	Regional design in harmony with Nature	1	Graduate Program in Community Design Studies
	Advanced Seminar in Agricultural and Rural Economics	4	Graduate Program in Agricultural and Rural Economics
	Advanced Research for thesis in Agricultural and Rural Economics	6	Graduate Program in Agricultural and Rural Economics
	Advanced Seminar in Irrigation, Drainage and Rural Engineering	4	Graduate Program in Irrigation, Drainage and Rural Engineering
	Advanced Research for thesis in Irrigation, Drainage and Rural Engineering	6	Graduate Program in Irrigation, Drainage and Rural Engineering
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
	Adult and Community Education	1	Graduate Program in Community Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies

			Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (English language)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Seminar on Foreign Language Communication	2	Graduate Program in Studies on Community and Human Development	24
	English Linguistics I	1	Graduate Program in Multicultural Studies	
	English Linguistics II	1	Graduate Program in Multicultural Studies	
	Studies in Present-Day English I	1	Graduate Program in Multicultural Studies	
	Studies in Present-Day English II	1	Graduate Program in Multicultural Studies	
	Studies in American Culture I	1	Graduate Program in Multicultural Studies	
	Studies in American Culture II	1	Graduate Program in Multicultural Studies	
	Culture of Britain I	1	Graduate Program in Multicultural Studies	
	Culture of Britain II	1	Graduate Program in Multicultural Studies	
	Comparative Study of Contemporary Cultures I	1	Graduate Program in Multicultural Studies	
	Comparative Study of Contemporary Cultures II	1	Graduate Program in Multicultural Studies	
	English Phonetics I	1	Graduate Program in Multicultural Studies	
	English Phonetics II	1	Graduate Program in Multicultural Studies	
	Language Universals and the Study of English Grammar I	1	Graduate Program in Multicultural Studies	
	Language Universals and the Study of English Grammar II	1	Graduate Program in Multicultural Studies	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and	2	Graduate Program in Studies on	

Emotion		Community and Human Development
Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
Adult and Community Education	1	Graduate Program in Community Design Studies
Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
Citizenship Education I	1	Graduate Program in Multicultural Studies
Citizenship Education II	1	Graduate Program in Multicultural Studies
Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

□ Division of Engineering & Agriculture

○ Junior High School Specialist Teaching License (Science)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Techniques for Analyzing Mass Spectra	1	Interdisciplinary Course	24
	Biodesign and Bioprocessing	1	Interdisciplinary Course	
	Environmental Analytical Chemistry	1	Interdisciplinary Course	
	Chemical System Engineering	1	Interdisciplinary Course	
	Material Processing Engineering	1	Interdisciplinary Course	
	Molecular Physiological Chemistry	1	Interdisciplinary Course	
	Interfacial Chemistry	1	Interdisciplinary Course	
	Food Science	1	Interdisciplinary Course	
	Molecular Aspects of Plant Physiology	2	Graduate Program in Molecular Agriculture	
	Molecular Physiology in Animal Science	2	Graduate Program in Molecular Agriculture	
	The Frontier of Agricultural Biological Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Chemistry of Physiologically Active Substances	2	Graduate Program in Agricultural Biological Chemistry	
	Nutritional and Physiological Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Plant Functional Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Science and Technology Related to Our Life	2	Graduate Program in Agricultural Biological Chemistry	
	Course related to basic understanding of education	Advanced Research for thesis in Agricultural Biological Chemistry	6	
Advanced Seminar in Agricultural Biological Chemistry		4	Graduate Program in Agricultural Biological Chemistry	
Advanced Studies in Methods of Human Development Promotion		2	Graduate Program in Studies on Community and Human Development	
Studies in Supporting Social Development & Social Participation		2	Graduate Program in Studies on Community and Human Development	
Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development		
Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development		

Adult and Community Education	1	Graduate Program in Community Design Studies
Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
Citizenship Education I	1	Graduate Program in Multicultural Studies
Citizenship Education II	1	Graduate Program in Multicultural Studies
Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Science)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Techniques for Analyzing Mass Spectra	1	Interdisciplinary Course	24
	Biodesign and Bioprocessing	1	Interdisciplinary Course	
	Environmental Analytical Chemistry	1	Interdisciplinary Course	
	Chemical System Engineering	1	Interdisciplinary Course	
	Material Processing Engineering	1	Interdisciplinary Course	
	Molecular Physiological Chemistry	1	Interdisciplinary Course	
	Interfacial Chemistry	1	Interdisciplinary Course	
	Food Science	1	Interdisciplinary Course	
	Molecular Aspects of Plant Physiology	2	Graduate Program in Molecular Agriculture	
	Molecular Physiology in Animal Science	2	Graduate Program in Molecular Agriculture	
	The Frontier of Agricultural Biological Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Chemistry of Physiologically Active Substances	2	Graduate Program in Agricultural Biological Chemistry	
	Nutritional and Physiological Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Plant Functional Chemistry	2	Graduate Program in Agricultural Biological Chemistry	
	Science and Technology Related to Our Life	2	Graduate Program in Agricultural Biological Chemistry	
	Advanced Research for thesis in Agricultural Biological Chemistry	6	Graduate Program in Agricultural Biological Chemistry	
	Advanced Seminar in Agricultural Biological Chemistry	4	Graduate Program in Agricultural Biological Chemistry	
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development	
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development	
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development	
	Adult and Community Education	1	Graduate Program in Community	

			Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Engineering)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	Wave-optical Engineering	2	Graduate Program in Optical Engineering	24
	Optical metrology	2	Graduate Program in Optical Engineering	
	Optical Waveguide Devices	2	Graduate Program in Optical Engineering	
	Information Optics	2	Graduate Program in Optical Engineering	
	Laser Plasma Engineering	2	Graduate Program in Optical Engineering	
	Mathematical Physics in Optics	2	Graduate Program in Optical Engineering	
	Kansei Information Processing	2	Graduate Program in Optical Engineering	
	Advanced Photonics	2	Graduate Program in Optical Engineering	
	Optomechatronics	2	Graduate Program in Optical Engineering	
	Principles on Optical Systems	2	Graduate Program in Optical Engineering	
	Visualization and Image Processing	2	Graduate Program in Optical Engineering	
	Display Engineering	2	Graduate Program in Optical Engineering	
	Advanced Theory of Signal Processing	2	Graduate Program in Information, Electrical and Electronic Systems Engineering	
	Introduction to Software Technology	2	Graduate Program in Information, Electrical and Electronic Systems Engineering	
	Data Engineering	2	Graduate Program in Information, Electrical and Electronic Systems Engineering	
Digital Image Processing and its Applications	2	Graduate Program in Information, Electrical and Electronic Systems		

		Engineering
Acoustic Informatics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Information Statistics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Superconducting Electronics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Spintronics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Optical Control Circuit Engineering	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Microwave and Millimeter wave Circuit Engineering	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Energy Science	1	Graduate Program in Information, Electrical and Electronic Systems Engineering
Laser Engineering	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Electric Vehicle	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Advanced Power Electronics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Robust Control Theory	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Quantum Theory of Condensed Matter	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Advanced Applied Information Systems	2	Graduate Program in Information, Electrical and Electronic Systems Engineering

		Engineering
Advanced Information Networks	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Advanced Computer Architecture	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Smart City Technologies	1	Graduate Program in Information, Electrical and Electronic Systems Engineering
Optimization Techniques for Large Scale Systems	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Systems Biology	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Advanced Theory of Image Restoration	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Kansei Information Processing System	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Advanced Computer Graphics	2	Graduate Program in Information, Electrical and Electronic Systems Engineering
Robot Technology	2	Graduate Program in Mechanical and Intelligent Engineering
Geometry of Nonlinear Phenomena I	2	Graduate Program in Mechanical and Intelligent Engineering
Geometry of Nonlinear Phenomena II	2	Graduate Program in Mechanical and Intelligent Engineering
Biomechanical Engineering	2	Interdisciplinary Course
Materials and Joining Engineering	2	Graduate Program in Mechanical and Intelligent Engineering
Experimental Fluid Dynamics	2	Graduate Program in Mechanical and Intelligent Engineering
Micro-Nano Engineering	2	Interdisciplinary Course
Mechatronics Control	2	Interdisciplinary Course
Stochastic Systems Theory	2	Graduate Program in Mechanical and

			Intelligent Engineering
	Manufacturing Technology Engineering	2	Graduate Program in Mechanical and Intelligent Engineering
	Advanced Precision Machining	2	Graduate Program in Mechanical and Intelligent Engineering
	Metal Forming Engineering	2	Graduate Program in Mechanical and Intelligent Engineering
	Dynamical systems theory	2	Graduate Program in Mechanical and Intelligent Engineering
	Intelligent Robotics	2	Graduate Program in Mechanical and Intelligent Engineering
	Geometrical Mathematics for Mechanical Engineering	2	Graduate Program in Mechanical and Intelligent Engineering
	Microstructural Characterization of Materials	2	Interdisciplinary Course
	Elements of Physical Chemistry	2	Graduate Program in Material and Environmental Chemistry
	Molecular Structure Chemistry	2	Graduate Program in Material and Environmental Chemistry
	Chemistry of Functional Molecules and Materials	2	Graduate Program in Material and Environmental Chemistry
	Material and Environmental Engineering	2	Graduate Program in Material and Environmental Chemistry
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
	Adult and Community Education	1	Graduate Program in Community Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies

	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

○Senior High School Specialist Teaching License (Agriculture)

License Law Course classification	Course, credit and class program, etc.			Minimum required credits
Course related to subject and its teaching method	"Smart-agri" Solutions and Technology	1	Interdisciplinary Course	24
	Practicum of Policy Issues	1	Interdisciplinary Course	
	Earth and Environment Through Time	1	Graduate Program in Agricultural and Environmental Sciences	
	Crop Physiology and Ecology	1	Graduate Program in Agricultural and Environmental Sciences	
	Plant Nutrition and Fertilizer	1	Graduate Program in Agricultural and Environmental Sciences	
	Soil Science in Regional Aspects	1	Graduate Program in Agricultural and Environmental Sciences	
	Physiology of Horticultural Crops	1	Graduate Program in Agricultural and Environmental Sciences	
	Advanced PhytoBacteriology	1	Graduate Program in Agricultural and Environmental Sciences	
	The Problems and Views for Current Crop Production Technology	1	Graduate Program in Agricultural and Environmental Sciences	
	Field Science of Horticultural Crops	1	Graduate Program in Agricultural and Environmental Sciences	

		Environmental Sciences
Breeding Science of Crops	1	Graduate Program in Agricultural and Environmental Sciences
Pest Control and Molecular Ecology	1	Graduate Program in Agricultural and Environmental Sciences
Relationships between Viruses and Living Organisms	1	Graduate Program in Agricultural and Environmental Sciences
Animal Behavior Management	1	Graduate Program in Agricultural and Environmental Sciences
Animal Morphology	1	Graduate Program in Agricultural and Environmental Sciences
Study of Human Animal Relations	1	Graduate Program in Agricultural and Environmental Sciences
Advanced Weed Management	1	Graduate Program in Agricultural and Environmental Sciences
Vegetation Management	1	Graduate Program in Agricultural and Environmental Sciences
Wildlife Management	1	Graduate Program in Agricultural and Environmental Sciences
Environment and Information Engineering of Bioproduction	1	Graduate Program in Agricultural and Environmental Sciences
Environmental Control in Biology	1	Graduate Program in Agricultural and Environmental Sciences
Agricultural Machinery	1	Graduate Program in Agricultural and Environmental Sciences
Agro-Environmental System Analysis	1	Graduate Program in Agricultural and Environmental Sciences
Food Distribution Engineering	1	Graduate Program in Agricultural and Environmental Sciences
Systems Analysis of Bioproduction and Distribution	1	Graduate Program in Agricultural and Environmental Sciences
Crop and Environmental Sciences	1	Graduate Program in Agricultural and Environmental Sciences
Practice of Silviculture	1	Graduate Program in Forest Production and Conservation
Policy for Forest Management	1	Graduate Program in Forest Production and Conservation
Forest Engineering	1	Graduate Program in Forest Production and Conservation

Utilization for Forest Products	1	Graduate Program in Forest Production and Conservation
Ecological Basis for Silviculture	1	Graduate Program in Forest Production and Conservation
SABO Engineering	1	Graduate Program in Forest Production and Conservation
Forest Policy	1	Graduate Program in Forest Production and Conservation
Planning for Forest Management	1	Graduate Program in Forest Production and Conservation
Forest Operation	1	Graduate Program in Forest Production and Conservation
Forest Botany	1	Graduate Program in Forest Production and Conservation
Forest Economics	1	Graduate Program in Forest Production and Conservation
Wood Property for Dendrology	1	Graduate Program in Forest Production and Conservation
Forest Products Management	1	Graduate Program in Forest Production and Conservation
Techniques for Analyzing Genetic Information	1	Interdisciplinary Course
Techniques for Analyzing Cells	1	Interdisciplinary Course
Molecular Plant Protection	2	Graduate Program in Molecular Agriculture
Plant Molecular Genetics and Breeding	2	Graduate Program in Molecular Agriculture
Molecular Evolutionary Ecology	2	Graduate Program in Molecular Agriculture
Genetics and Reproduction in Animal Science	2	Graduate Program in Molecular Agriculture
Advanced Research for thesis in Molecular Agriculture	6	Graduate Program in Molecular Agriculture
Advanced Research for thesis in Agricultural and Environmental Sciences	6	Graduate Program in Agricultural and Environmental Sciences
Advanced Research for Thesis in Forest Science	6	Graduate Program in Forest Production and Conservation
Advanced Seminar in Molecular Agriculture	4	Graduate Program in Molecular Agriculture

	Advanced Seminar in Agricultural and Environmental Sciences	4	Graduate Program in Agricultural and Environmental Sciences
	Advanced Seminar in Forest Science	4	Graduate Program in Forest Production and Conservation
Course related to basic understanding of education	Advanced Studies in Methods of Human Development Promotion	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Social Development & Social Participation	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Sociology of Play and Emotion	2	Graduate Program in Studies on Community and Human Development
	Advanced Studies in Information Science & Technology	2	Graduate Program in Studies on Community and Human Development
	Adult and Community Education	1	Graduate Program in Community Design Studies
	Multicultural Studies in Education I	1	Graduate Program in Multicultural Studies
	Multicultural Studies in Education II	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education I	1	Graduate Program in Multicultural Studies
	Studies on Colonial Education II	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children I	1	Graduate Program in Multicultural Studies
	Studies on Immigrant Children II	1	Graduate Program in Multicultural Studies
	Citizenship Education I	1	Graduate Program in Multicultural Studies
	Citizenship Education II	1	Graduate Program in Multicultural Studies
	Studies for Human Support with Cognitive Psychology	2	Graduate Program in Studies on Community and Human Development
	Studies in Supporting Lifespan Development	2	Graduate Program in Studies on Community and Human Development
	Advanced Psychology of Cultured Mind	2	Graduate Program in Studies on Community and Human Development

5. Master's Thesis or Supporting Research Report Examination and Final Examination

The standard is that it takes 2 years to complete a master's thesis or a research report. The course of preparation from 1st to 2nd year is shown below.

- (1) Formulate a research plan (research purpose, research content and research method) at the beginning of enrollment under the guidance of the main academic supervisor.
- (2) In 1st and 2nd year, take the courses of advanced research, advanced practice, non-thesis research project, etc. to receive guidance how to summarize research results for a master's thesis or a research report. In this stage students are encouraged to present its research results at academic conference, workshop, etc.
- (3) Decide the subject of the master's thesis or the research report under the guidance of the main academic supervisor, and submit it to the dean of the graduate school by the specified date.
- (4) The master's thesis or the research report is submitted to the dean of the graduate school through the main academic supervisor by the specified date.
- (5) The master's thesis or the research report is assessed by 4 academics; 1 main academic supervisor, the first sub-academic supervisor (from the same specialty field), the 2nd sub-academic supervisor (from another academic degree program) and 1 lecturer (from the same specialty field). If the academics give the master's thesis or the research report a PASS, the oral examination on the master's thesis (including the research report) as the final examination is conducted.

【Evaluation criteria for the theses in graduate school: Graduate School of Regional Development and Creativity (Master's Program)】

(Evaluation criteria)

A PASS is given if all evaluation items (1 to 4) shown below reach the level of master's thesis (including the research report).

(Evaluation item)

1. Research purpose, research significance and originality
 - Research purpose and its significance make as academic and social contribution, and the research content and method have a pioneering approach and originality based on previous research and related research.
2. Research method
 - Research method is properly selected to conduct the research.
3. Proof method and conclusion
 - Proof is made properly to the set theme to draw a conclusion.
 - Use of terms and concept, expression and the point are accurate and the proof is appropriate.
4. Form and format of a thesis (including a research report)
 - Form and format of table of contents, chapter structure, citation, figure and chart, etc. are appropriate based on the thesis format which is widely used in the specialty field.

6. Research Ethics

The research of graduate student's master's thesis requires students to undertake "research" fully. The research is for society and it should be sincere to human and nature. The research should be recognized by society. Therefore, students are required to observe "Research (Researcher's) Ethics" which is the guideline that governs research students about how to research and proceed. Experience a new world by observing "Research (Researcher's) Ethics".

Prior to the start of research, we recommend you to take the "e-Learning Course on Research Ethics" for learning the research (researcher's) ethics which is in the Japan Society for the Promotion of Science website (<https://www.netlearning.co.jp/clients/jsps/top.aspx>). You will receive the certificate of completion upon completion.

Please refer to another site (<https://www.jsps.go.jp/j-kousei/rinri.html>) for text materials.

3 key points of "Research (Researcher's) Ethics" are as follows;

(1) Prevention of research misconduct

Prevention of fabrication, falsification and plagiarism, compliance with research regulations specified in each field, prohibition of other misconducts (duplicate posting, sabotage of other researchers, academic harassment, improper authorship) and protection of intellectual property, etc.

(2) Accountability of the conduct of research / Preparation for the information request

Record-keeping of research data for a specific period of time and data recorded in the experiment notes, etc. (Data shall be recorded in the experiment notes or other and data to prove that the research has been conducted properly shall be recorded in order to protect yourself.)

(3) Prevention of improper use of research funds

Almost all researches, unless it is a private research, use public funds in a broad sense, such as money from government (from taxation), money from companies (assets of shareholders, officers and employees) and money from private foundations (that receive favorable tax treatment in public use). Students may often use public research funds from government, foundations and companies for the research, travel and attendance to academic conferences and presentations, etc. Please make sure to use research funds appropriately.

7. Advanced Learning + 1 Course (Additional matter)

○"Weed and Wildlife Management Program"

Acquire expertise and practical skills to resolve various issues in the field caused by weeds and wildlife.

1. Target student

Graduate students

2. Registration notification

A person who wishes to take the course shall submit the “Application for Weed and Wildlife Management Program” which is distributed at the office of the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division by the end of May in 1st year to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division.

3. Completion requirement

- 1) It is required to obtain more than the minimum credits from the courses specified by each field and obtain at least 7 credits.
- 2) A person who completed the program is offered a “Certificate of Completion of Weed and Wildlife Program”. Please ask the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division.

4. Course

- 1) Please refer to the syllabus of each course for the starting semester.
- 2) The credit for completion differ depending on the program you are registering.

5. Other

This program is not qualified under laws and ordinances. This is “Advanced Learning + 1” to offer the student who completed the program specified by this graduate school a certificate of completion.

<The field consists of the following courses>

Field	Course name	The number of credits
Vegetation Management (At least 3 credits including at least 1 credit from the course with ○. (or at least 2 credits))	○Advanced Weed Management	1
	○Vegetation Management	1
	Ecological Basis for Silviculture	1
	Practice of Silviculture	1
	Forest Botany	1
Wildlife management (At least 2 credits including the course with ○ (or at least 3 credits))	○Wildlife Management	1
	Genetics and Reproduction in Animal Science	2
	Animal Behavior Management	1
	Study of Human Animal Relations	1
	Animal Morphology	1
Regional resources development	○Rural Sociology	1

(At least 2 credits including the course with ○)	Forest Policy	1
	Management of Rural Organizations	1
	Regional design in harmony with Nature	1
	Rural Management for Sustainable Development A	1

<The minimum number of credits required for each field>

(1) 3 credits from Vegetation Management, 2 credits from Wildlife Management and 2 credits from Regional Resources Management

or

(2) 2 credits from Vegetation Management, 3 credits from Wildlife Management and 2 credits from Regional Resources Management

III. Various Procedures and Consultations

1. Various Procedures and Certificates

(1) Student Identification Card

Student identification card is to certify you that you are a student of this university and is a magnetic card to be used for the following purposes. Please handle it carefully.

- When taking a regular examination.
- When entering a building where your research office is on Saturdays, Sundays, national holidays and in the night time.
- When entering the university library and lending the book materials out of the library (automatic lending device).
- When issuing a Certificate of Enrollment, Certificate of Expected Graduation, Certificate for Student Discount, etc. from automatic certificate machines.
- When purchasing and using a student commuter pass and JR tickets using student discount.

When the student identification card is lost, report it without delay for re-issuing to prevent your student identification card from being used by another person.

※Notation of Student Name

In case the old form, variant characters, simplified characters, etc. are used in the name in the student identification card, transcript, certificate, etc., such characters are replaced with JIS level-1 and level-2 characters due to machine processing.

(2) Tuition fees

1) Tuition fees, payment timing and payment method

Tuition fees are JPY 535,800 per year. (If the tuition fees are revised during or after enrollment, the new tuition fee amount will apply from the time they are revised.)

Tuition is paid in two equal installments in the 1st semester (from April to September) and 2nd semester (from October to March in the following year) via direct payment through an account (of a student, parents or other payers who are making a payment on behalf of a student).

Tuition fee, transfer fee, account transfer amount and scheduled date for account transfer for Heisei 31 Academic Year are as follows;

Semester	Each financial institution	
	1 st semester	2 nd semester
Tuition fee	JPY 267,900	
Transfer fee	JPY 84	
Account transfer amount	JPY 267,984	
Transfer scheduled date	Monday May 27	Wednesday November 27

Bank transfer fees must be paid by a student, parents or other payers who are making a payment on behalf of a student in this school. We appreciate your understanding.

The total transfer amount is the sum of tuition fees and bank transfer fees. (If the bank transfer fees are revised during or after enrollment, the new transfer fee will apply from the time they are revised.)

Tuition fees are paid via direct payment through an account to prevent any incident due to cash handling and for the sake of convenience.

This is a direct debit payment system to pay tuition fees through a collection agency from a financial institute notified by a student, parents or other payers who are making a payment on behalf of a student during the period specified by the school.

(Tuition when taking a leave of absence)

If a student takes a leave of absence and the date the leave is approved is before the deadline for tuition payment (31st of May for the 1st semester and 30th November for the 2nd semester), the tuition for the period of absence will not be charged. (If the date the leave is approved is after the 1st of June for the 1st semester and the 1st of December for the 2nd semester, the tuition for the semester will be charged.)

If the date the leave is approved falls before the 30th of September of that year for a student who paid tuition in full for a year, the tuition for the 2nd semester will be refunded.

(Tuition in case of withdrawal)

In the case of withdrawal, the full tuition for the semester is charged if the student is considered as registered even for a day, therefore, if a student wishes to withdraw from the university at the end of each semester, it is advisable to submit Request for Withdrawal by the last day of the month that is 2 months prior to the start of each semester.

If a student who paid tuition in full for a year withdrew before the 30th of September, the tuition for the 2nd semester will be refunded.

2) When bank transfer failed due to insufficient funds

If the bank transfer for tuition failed, re-attempt the transfer at the end of every month from the following month onwards (except March). Students who failed to pay tuition fees are notified at the end of each month in the Kyomu portal (<https://kyomu.km.utsunomiya-u.ac.jp/campusweb/>) and a notice

of overdue payment is sent to the guarantor. Please maintain sufficient funds in the account to pay tuition and check your account balance by the 20th of May and November in each year.

3) Tuition guidelines while in university

Tuition fees and instructions on bank transfer are notified in the university bulletin, Utsunomiya University website (<http://www.utsunomiya-u.ac.jp>) and Kyomu portal (<https://kyomu.km.utsunomiya-u.ac.jp/campusweb/>) after enrollment.

Account transfer date is at the end of May and at the end of November in each academic year.

4) Other

Please note that various certificates and academic transcript may not be issued if tuition is not paid in time, and the credits obtained will be valid only after tuition is paid. Please ask the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division for details.

(3) Application for Vehicle Entry Pass

As a general rule, students are recommended to use public transportation to commute to school, however, a student who needs to use a private vehicle due to inevitable reasons shall submit a form with reasons within prescribed application period in April to apply Vehicle Entry Pass (Pass card for car gate). Parking fee [5,000 Yen per annum per car (including a pass card)] will be charged at that time.

No entry is allowed without an Entry Pass.

(4) Medical Checkup

Regular medical checkup for all students is provided in April. Please be sure to visit because you may need a medical certificate later for employment, further education, scholarship award, etc.

It is also advisable to visit Health Service Center for health counseling, general counseling, first aid, etc. when needed.

(5) Leave of Absence

Those who take more than three months leave from the university for reasons of sickness or injury must submit a “Request for a Leave of Absence” to receive permission from President. Before taking further procedures, it is advisable to consult with the guarantor, and the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division

When taking a leave of absence, make sure to file applications of tuition payment, revocation of a scholarship (Education and Student Affairs Department, Student Affairs Division • Education and Student Affairs Department, Yoto Education and Student Affairs Division) and to return books to the university library and hand “Request for a Leave of Absence” directly over to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division by the last day of the month that is 2 months prior to the month the leave is planned.

(6) Resumption of Studies

When the leave of absence expires, or reasons for the leave of absence disappeared during the period of absence, a student shall submit “Request for Resumption of Studies” to receive permission from President for readmission.

A student who wishes to return to the university shall hand “Request for Resumption of Studies” directly over to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division by the last day of the month that is 2 months prior to the month readmission is planned.

(7) Withdrawal

It is advisable for a student who wishes to withdraw from the university due to sickness or inevitable reasons shall have a thorough consultation with the guarantor, academic supervisor, etc. before taking further procedures

In the case of withdrawal, before submitting “Request for Withdrawal”, make sure to file applications of tuition payment, repayment of a scholarship (Education and Student Affairs Department, Student Affairs Division • Education and Student Affairs Department, Yoto Education and Student Affairs Division) and to return books to the university library and hand “Request for Withdrawal” directly over to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division by the last day of the month that is 2 months prior to the month withdrawal is planned.

(8) Expulsion and disciplinary regulations

There are several regulations in the university including the code of the school in order to maintain a good educational and research environment as well as order in school. If a student violates these rules, he or she will be subject to disciplinary punishment or expulsion from the school.

1) Cases corresponding to expulsion

- A student with little or no prospect of graduation due to sickness or other causes.
- A student whose request for a matriculation fee exemption or collection postponement is denied, or whose matriculation fees are not paid within prescribed period after half exemption or collection postponement is accepted.
- A student whose tuition fees are not paid.
- A student whose leave of absence is greater than 2 years.
- A student whose period of study is greater than 4 years.

2) Types of discipline

Reprimands … Give a student a verbal and written warning for an act conducted by the student who is asked to repent to prevent recurrence in the future.

Penitence … A student will be suspended from the University within a month.

Suspension … Definite or indefinite. A student will be suspended from the University for a specified period of time.

Withdrawal … A student whose student status will be cancelled.

(9) Managing absence

1) Notification of Authorized Absence

Authorized absence is when a student is not able to attend class (except for intensive course) due to certain events specified by the University and not considered as an absence. A student is required to submit Notification of Authorized Absence.

- A student who received an order for suspension of attendance due to infectious diseases

- A student whose commuting is difficult due to weather warning•service suspension of transportation.
- A student whose family member died.
- A student who is appointed as a jury member or jury candidate in the lay judge system.
- Other cases which is approved by President.

2) Notification of Absence

A student who will be absent more than a week for a reason other than authorized absence shall submit Notification of Absence. Please consult with the Education and Student Affairs Department, Student Affairs Division for an absence due to activities outside a curriculum.

※ Please see “Managing Absence Procedure at Utsunomiya University”•”Managing Absence Procedure <Conceptual Diagram>”•”Q&A about Notification of Authorized Absence and Notification of Absence” for details. Please note that teaching practice (care experience•museum practice), activities outside a curriculum, job hunting, etc. are not considered as authorized absence.

(10) Issuing Various Certificates

○Certificates to be issued before graduation

- ”Certificate of Enrollment, Certificate of Expected Graduation, Certificate for Passenger Fare Discount (JR Student Discount) and “Transcript” can be issued from automatic certificate machines.
- Please ask the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division for issuing Certificate of Expected Teacher’s License, and ask Center for Career Education and Services for issuing Letter of Reference and ask Health Service Center for issuing Medical Certificate.

○Certificates to be issued after graduation

- Certificate of Graduation, Transcript, Certificate of Academic Record

○ Student Commuter Pass and Certificate for Passenger Fare Discount (Student Discount)

1. Student commuter pass

Student commuter pass can be purchased with a purchase application and student identification card (fill in the commuter pass copy field on the back of ID card) at a station where a passenger boards or disembarks in commuting.

2. Certificate of Travel Discount (Student Discount)

Certificate of Travel Discount (Student Discount) allows students to purchase regular tickets for trains, boats, and other kinds of transportation at a 20% discount when the trip is longer than 100km one-way for the following purposes. Certificate of Travel Discount (Student Discount) can be issued from automatic certificate machines.

- (1) Going to hometown for holidays or for some business.
- (2) Regular educational activities such as experiment and practice, classroom instruction for a student of a correspondence course and examinations.
- (3) Special education activities recognized by the University or extracurricular activities related to physical and cultural education.

- (4) Taking an examination for employment or further education, etc.
- (5) Study and observation or participation in an event related to continuing education and recognized by the University.
- (6) Medical treatment and issue resolution that hinders a student from studying.
- (7) Accompanying a guardian during travel.

The purpose of this discount system is to reduce economic burden for study, therefore a student who used the system illegally not only takes responsibility but also is banned from issuing. Please use it carefully.

○ Automatic certificate machines

Certificates can be issued from 9:00 in the morning to 15 minutes before closing time of office. It is closed on Saturdays, Sundays and national holidays, summer holidays (3 days in August), from the 29th of December to the 3rd of January next year as well as holidays specified by President.

Automatic certificate machines are in Mine Campus (2nd floor of the Education and Student Affairs building) and Yoto Campus (in the office of Education and Student Affairs Department, Yoto Education and Student Affairs Division). Automatic certificate machines may be out of service due to maintenance, therefore it is advisable to obtain necessary certificates (including Student travel Discount Certificate) a few days before using. (Information about automatic certificate machines including out of service hours is notified in the University bulletin.)

(11) Traveling overseas

When traveling overseas for the purpose of language training, traveling, volunteer work, etc., please submit the “Notice of Overseas Travel” to the Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division no later than one week before traveling.

Q&A in terms of Notification of Authorized Absence and Notification of Absence

Q: What kind of authorized absence is regulated by the University?

A: When receiving an order for suspension of attendance due to infectious diseases, having a difficulty in commuting due to weather warning, etc. when a family member died, being appointed as a jury member (including jury candidate) in the lay judge system and other cases which is approved by President.

Q: To whom shall I ring when I am absent from school?

A: In principle, we do not accept telephone communications, however please ring the Education and Student Affairs Department, Student Affairs Division in case of possibility of infectious diseases, incidents or accidents.

Q: Do I need to submit a Notification of Absence when I am absent from school due to a cold?

A: No need to submit it if you are absent for 1 to 2 days, but please contact each academic supervisor in charge of the course/class when needed. Notification of Absence shall be submitted when you are absent for a week or more due to sickness or injury. Please attach a medical certificate, etc. to the notification.

Q: What kind of procedure shall I take when I was infected with the flu?

A: You will be suspended from attending the course in order to prevent the spread of infectious diseases when you were infected. Please ring the Education and Student Affairs Department, Student Affairs Division

promptly when you were diagnosed with the flu in order to collect information of patients who have contracted an infectious disease. Such absence is considered as authorized absence upon submission of Notification of Authorized Absence (with a Certificate of Recovery). Students who visit a research room or library in the Campus for experiments, research, preparation of the thesis, etc. are required to follow the same procedure. Please note that students who have not recovered from an infectious disease are not allowed to visit the Campus. Please refrain from being in the Campus regardless of the course/class in order to prevent the spread of infectious diseases.

Q: I was absent due to the flu-like symptoms, but it turned out that it was not the flu according to medical diagnosis. Is this case considered as an Authorized Absence?

A: No, this is not an Authorized Absence. Come back to school after completely recovered.

Q: If I am absent due to an infectious disease, is this considered as an Authorized Absence?

A: Not all absences by any infectious diseases are considered as an Authorized Absence. Please check it in the University website or ring the Education and Student Affairs Department, Student Affairs Division (Health Service Center).

Q: When I am absent due to a convention of extracurricular activities, is this considered as an Authorized Absence?

A: This is not an Authorized Absence.

Q: When I am absent due to job hunting, is this considered as an Authorized Absence?

A: This is not an Authorized Absence.

Q: I will be absent from other classes because I am going to go to an outside facility with the class...

A: Please consult with a supervisor in charge of the class.

Q: How can I check if I can take an Authorized Absence on account of the Typhon? What kind of procedure shall I take in that case?

A: Please check the University website. No need to submit a Notification of Authorized Absence if a class is cancelled.

Q: Do I need to notify the supervisor after I submitted Notification of Authorized Absence?

A: You are not obliged but it is preferable to notify the supervisor at a later date.

Q: I will take an Authorized Absence due to mourning. When should I start the procedure?

A: The procedure can be carried out either before or after bereavement leave.

Q: For how long can I take an Authorized Absence due to funeral attendance? My hometown is far away. Does it include travel days?

A: The bereavement leave allowance is up to 7 days including Saturday and Sunday if the person is a parent or child. If the person is a grandparent, sibling, or other immediate relative, then it is up to 3 days. Travel days are recognized as an Authorized Absence.

2. List of Procedures

Please apply or submit any procedures during office hours when the period for submission (application) will be on Saturdays, Sundays, and national holidays. (The service at the end of the year and the beginning of the new year will be announced in a bulletin, etc.)

Type	Period for submission	Submit to	Remarks
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	(Period for application)	(Department in charge)		
Request for a Leave of Absence	by the last day of the month that is 2 months prior to the month the leave is requested (and continue to be absent for more than 3 months).	Education and Student Affairs Department, Educational Affairs Division (Education and Student Affairs Department, Student Affairs Division for Request for Authorized Absence due to infectious illness) or Education and Student Affairs Department, Yoto Education and Student Affairs Division	Follow the instructions after consulting with a person in charge.	
Request for Withdrawal	By the last day of the month that is 2 months prior to the month withdrawal is requested.			
Request for Resumption of Studies	By the last day of the month that is 2 months prior to the month the resumption of studies is requested.			
Request for Authorized Absence (Notification of Absence)	When needed, promptly notify		Please see the instructions on absence on the Utsunomiya University website for the details.	
Notice of Overseas Travel	No later than one week before traveling			
Request for Re-issue of Student Identification Card	When lost, promptly notify			
Notification of Address Change	When changed, promptly notify			Please consult with a person in charge for the details.
Notification of Name Change in Name				
Notification of Change of Registered Domicile				
Notification of Gender Change				
Request for Use of Maiden Name • Common Name	When a person wishes			
Request for Use of Alternative Surname				
Notification of Address Change of Guarantor	When changed, promptly notify			
Notification of Change of Guarantor				
Course Registration	Within 2 weeks from the start of the course in the first and second semester.	Web page input (Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division)	User registration in Media Network Center is required.	
Transcript	When necessary	Automatic certificate machines (Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division)	Service hours for automatic certificate machines is the same as the office hours. Please ask a person in charge if it shall be sealed up.	
Certificate of Enrollment				
Certificate of Expected				It will be issued after the middle of April in the

Graduation			year of graduation.
Certificate of Travel Discount (Student Discount)			The purpose is limited to homecoming visit, educational activity, job hunting, etc.
Medical Certificate			You can obtain the application form in the Health Service Center.
Application for Vehicle Entry Pass	Around in April every year (fixed in a bulletin).	Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division	Application procedure is posted separately.
Application for Bicycle (Motorcycle) Entry	Sometimes in April every year (fixed in a bulletin).	Co-op (Mine Campus or Yoto Campus)	After the period for acceptance at co-op is over, it is issued in the Financial Affairs Division Administration Section in the 1 st floor of the main building in Mine Campus or the Education and Student Affairs Department, Yoto Education and Student Affairs Division in the 1 st floor of the No. 10 building in Yoto Campus.
Notification of Plans After Graduation	Around in April in the 1 st year of graduate school		Please register in UU Career Navi.
Notification of Plan (Fix Change) After Graduation	Notify promptly when the career plan (take a job or to proceed to higher education) is determined (informally determined).	Center for Career Education and Services	
Employment Counseling	As needed		Please make an appointment from UU Career Navi.
Part Time Job Information	As needed	Co-op	Introduce using job opening information
Health Counseling (First Aid)	As needed		Health counseling schedule is in a bulletin every month.
Regular Medical Checkup Result	As needed	Health Service Center and Yoto Campus Branch	
First Aid Box•Measuring Instrument	As needed, however 2 days before the use date.		We lend those if necessary in the club activities • practical works, etc.
Personal Accident Insurance for Students Pursing Education and Research (PAS)	In the event of unexpected accidents	Education and Student Affairs Department, Student Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division	Insurance subscriber only.
Lost Property	In each case		Lost items are kept in the Education and Student Affairs Department, Student

			Affairs Division for 3 months.
Robbery•Traffic Accident			
Tuition Exemption Amount	The 1 st semester: at the beginning of April The 2 nd semester: from the end of September to the beginning of October Please see “Tuition exemption application instructions” for more information such as the date.		“Tuition exemption application instructions” will be uploaded to the university website in the beginning of February for the 1 st semester and in the beginning of August for the 2 nd semester.
Scholarship Application Form (The Japan Student Services Organization (JASSO), etc.)			
Student Counseling	As needed		
Death Notification	In case of Death	Education and Student Affairs Department, Educational Affairs Division or Education and Student Affairs Department, Yoto Education and Student Affairs Division	
Violation of Human Rights Counseling	As needed	Counselor	

【Office hours】 (Weekday only)

Office hours differ depending on the department and the season. Please check it on a bulletin board.

(Example: Education and Student Affairs Department, Educational Affairs Division 8:30~17:15 (February, March, April, August and September) 8:30~18:15 (January, April to July, October to December))