

Project for Establishing University Network for Internationalization-Global 30-

The "Project for Establishing University Network for Internationalization -Global 30-" was enacted by the Ministry of Education, Culture, Sports, Science and Technology in 2009 to support a government plan to increase the number of incoming international students to 300,000 by 2020. As a selected Global 30 core university, Tohoku University launched a program called "Future Global Leadership (FGL)" which aims to produce students who possess an international perspective, high-level of education and specialist knowledge, and solid research practical skills, and to foster leaders who will be active on global scale.

18 Courses Taught in English (3 undergraduate level and 15 graduate level)

Advanced Molecular Chemistry Course (AMC)

Fields of Study: Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Physical Chemistry, Polymer Chemistry, Biochemistry, Materials Science

Degree: Bachelor of Science **URL:** <http://www.sci.tohoku.ac.jp/amc/> **Inquiries:** amc@m.tohoku.ac.jp

International Mechanical and Aerospace Engineering Course-Undergraduate (IMAC-U)

Fields of Study: Fluid Dynamics, Thermal Engineering, Materials Engineering, Micro/nanotechnologies, Aerospace Engineering, Robotics, Biomedical Engineering, Information Science, Quantum Science and Energy, Environmental Studies, etc.

Degree: Bachelor of Engineering **URL:** <http://g30.eng.tohoku.ac.jp/imac/> **Inquiries:** imac-u@mech.tohoku.ac.jp

Applied Marine Biology (AMB)

Fields of Study: Ecology, Oceanography, Physiology, Biochemistry, Molecular Biology, Genetics

Degree: Bachelor of Agriculture **URL:** <http://www.agri.tohoku.ac.jp/amb/> **Inquiries:** kokusai@bios.tohoku.ac.jp

International Doctoral Program in Engineering, Information Sciences, Environmental Studies and Biomedical Engineering (EISEBE)

Fields of Study: Environmental Engineering, Information and Communications, Medical Engineering, Energy, Materials, Biomedical Engineering

Degree: Doctor of Philosophy (Engineering), Doctor of Philosophy (Information Sciences), Doctor of Philosophy (Environmental Studies), Doctor of Philosophy (Biomedical Engineering)

URL: <http://www.eng.tohoku.ac.jp/english/academics/doctoral.html> **Inquiries:** eng-in@grp.tohoku.ac.jp

International Graduate Program for Advanced Science (IGPAS)

Fields of Study: Mathematics, Physics, Astronomy, Geophysics, Chemistry, Earth Science

Degree: Master of Science/ Doctor of Philosophy (Science) **URL:** <http://www.sci.tohoku.ac.jp/english/igpas/>
Inquiries: direct@mail.sci.tohoku.ac.jp

International Post-Graduate Program in Human Security (IPHS)

Fields of Study: Food and Agriculture, Public Health, Environment, Society

Degree: Master of Agricultural Science / Doctor of Philosophy (Agricultural Science), Master of Medical Science, Master of International Cultural Studies/ Doctor of Philosophy (International Cultural Studies), Master of Environmental Studies/ Doctor of Philosophy (Environmental Studies), Master of Interdisciplinary Studies, Doctor of Philosophy

URL: <http://human-security.jp/> **Inquiries:** human_security@grp.tohoku.ac.jp

International Environmental Leadership Program (IELP)

Fields of Study: "Sustainability Sciences" involving Innovative Technology, Policy Planning and Management

Degree: Master of Environmental Studies/ Doctor of Philosophy (Environmental Studies), Master of Interdisciplinary Studies, Doctor of Philosophy **URL:** <http://www.kankyo.tohoku.ac.jp/ielp/>

Inquiries: kankyo.kyomu@grp.tohoku.ac.jp

International Mechanical and Aerospace Engineering Course-Graduate (IMAC-G)

Fields of Study: Mechanical Systems and Design, Nanomechanics, Aerospace Engineering, Bioengineering and Robotics, Quantum Science and Energy Engineering

Degree: Master of Engineering/ Doctor of Philosophy (Engineering) **URL:** <http://g30.eng.tohoku.ac.jp/imac/graduate/>
Inquiries: imac-g@mech.tohoku.ac.jp



Information Science class in IMAC-U course



Field trip to Yamagata for FGL undergraduate students

International Materials Science and Engineering Master Course (IMSE)

Fields of Study: Metallurgy, Materials Science, Materials Processing

Degree: Master of Engineering **URL:** <http://g30.eng.tohoku.ac.jp/imse/> **Inquiries:** eng-in@grp.tohoku.ac.jp

Global Program in Economics and Management (GPEM)

Fields of Study: Microeconomics, Macroeconomics, Econometrics, Political Economy, International Finance, Environmental Economics, Comparative Economic History, Development Economics, Global Business History, Japanese Business History, International Business, Regional Enterprise, Nonprofit Organizations, Comparative Management, Decision Making, etc.

Degree: Master of Economics, Master of Management / Doctor of Philosophy (Economics), Doctor of Philosophy (Management)
URL: <http://www.econ.tohoku.ac.jp/econ/english/IPEM/index.htm> **Inquiries:** ipem@econ.tohoku.ac.jp

International Graduate School of Accounting Policy (IGSAP)

Fields of Study: Accounting Policy **Degree:** Master of Accountancy

URL: <http://www.econ.tohoku.ac.jp/econ/IGSAP/english/index.html> **Inquiries:** igsap_adm@econ.tohoku.ac.jp

Information Technology and Science Course (ITSC)

Fields of Study: Computation Science, Software Science, Firmware Science, Computer Architecture, VLSI System, Communication Theory, Information Security, Information Processing Algorithms, Intelligent Systems, Intelligent Robotics, Communication Technology, Information Networks, etc.

Degree: Master of Information Sciences **URL:** <http://www.is.tohoku.ac.jp/index-e.html>
Inquiries: is-kyom@grp.tohoku.ac.jp

Interface Oral Health Science Course (IOHS)

Fields of Study: Integration of Molecular Biology, Cellular Biology, Microbiology, Immunology, Materials Science, Biomechanics, Social Science, etc.

Degree: Doctor of Philosophy (Dental Science) **URL:** <http://www.dent.tohoku.ac.jp/english/>
Inquiries: den-kyom@grp.tohoku.ac.jp

International Course of Life Sciences (ICLS)

Fields of Study: Biomolecular Sciences, Developmental Biology and Neurosciences, Environmental Life Sciences

Degree: Master of Life Sciences/ Doctor of Philosophy (Life Sciences)

URL: <http://www.lifesci.tohoku.ac.jp/en/outline/related-projects-centers/> **Inquiries:** lif-kyom@grp.tohoku.ac.jp

International Graduate Program in Language Sciences (IGPLS)

Fields of Study: Linguistics, Applied Linguistics, Language and Culture

Degree: Master of International Cultural Studies / Doctor of Philosophy (International Cultural Studies)

URL: <http://www.intcul.tohoku.ac.jp/ls/> **Inquiries:** int-kkdk@grp.tohoku.ac.jp

Basic Medicine Course (BMC)

Fields of Study: Basic Medicine, Molecular Biology, Immunology, Biochemistry and Physiology

Degree: Master of Medical Science **URL:** <http://www.med.tohoku.ac.jp/english/>

Inquiries: m-daigakuin@grp.tohoku.ac.jp

Network Medicine Course (NMC)

Fields of Study: Biomedical Sciences and Network Medicine

Degree: Doctor of Philosophy (Medical Science) **URL:** <http://www.med.tohoku.ac.jp/english/>

Inquiries: m-daigakuin@grp.tohoku.ac.jp

Data Sciences Program (DSP)

Fields of Study: Data Sciences

Degree: Master of Information Sciences / Doctor of Philosophy (Information Sciences), Master of Life Sciences/ Doctor of Philosophy (Life Sciences), Master of Economics or Master of Management/ Doctor of Philosophy (Economics) or Doctor of Philosophy (Management), Master of Engineering/ Doctor of Philosophy (Engineering)

URL: https://www.is.tohoku.ac.jp/_eng/dsp/index.html **Inquiries:** ilo@is.tohoku.ac.jp



Natural Science Experiment class



Entrance Ceremony for FGL program