

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.

16 Courses Taught in English (3 undergraduate level and 13 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

Applied Marine Biology (AMB)

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

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

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 Engineering, Doctor of Information Sciences, Doctor of Environmental Studies, Doctor of Biomedical Engineering

URL: <http://www.uni.international.mext.go.jp/course/detail/15> **Inquiries:** eng-in@bureau.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 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 Agricultural Science, Master of Medicine, Master of International Cultural Studies/ Doctor of International Cultural Studies, Master of Environmental Studies/ Doctor of Environmental Studies, Master of Interdisciplinary Studies

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

International Program for Environmental Sustainability Science (IPESS)

Fields of Study: development of "Sustainability Sciences" involving advanced high-technology and policy planning and management

Degree: Master of Environmental Studies/ Doctor of Environmental Studies, Master of Interdisciplinary Studies, Doctor of Philosophy

URL: <http://www.kankyo.tohoku.ac.jp/g30/outline.htm> **Inquiries:** kyomu@mail.kankyo.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



Development of a prototype robot for future lunar/planetary exploration at Space Robotics Lab led by Prof. Kazuya Yoshida (IMAC)



International students' lounge at the Graduate School of Economics and Management

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@bureau.tohoku.ac.jp

Global Program in Economics and Management (GPEM)

Fields of Study: Asian Economy, Economic History, Political Economy, International Finance, Comparative Economics History, Macroeconomics, Econometrics, Global Business History, Japanese Business History, Nonprofit Organizations, Comparative Management, Decision Making, Corporate Finance, etc.

Degree: Masters of Economics, Masters of Management, Ph.D. in Economics, or Ph. D. in Management

URL: <http://www.econ.tohoku.ac.jp/econ/english/IPEM/index.htm> **Inquiries:** ipem@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@bureau.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@bureau.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@bureau.tohoku.ac.jp

International Graduate Program in Language Sciences (IGPLS)

Fields of Study: Linguistics, Applied Linguistics, Brain Science

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

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



Undergraduate course



Orientation for FGL program

Housing Support

Tohoku University offers housing support for international students at the Student Exchange Division. In addition, there are university dormitories called "International House Sanjo 1", "International House Sanjo 2", "International House Higashi-Sendai", "University House Sanjo" and "University House Katahira" for international students where they can experience multi-cultural experience from various countries.