

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)** ※In chronic order of establishment

### 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](mailto: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](mailto: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](mailto:imac-u@mech.tohoku.ac.jp)

### International Doctoral Program in Engineering, Information Sciences and Environmental Studies

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

**Degree:** Doctor of Engineering, Doctor of Information Sciences, Doctor of Environmental Studies

**URL:** <http://www.eng.tohoku.ac.jp/english/program/?menu=itn> **Inquiries:** [eng-in@bureau.tohoku.ac.jp](mailto:eng-in@bureau.tohoku.ac.jp)

### International Graduate Program for Advanced Science (IGPAS)

**Fields of Study:** Mathematics, Physics, Astronomy, Geophysics, Chemistry, Earth Sciences

**Degree:** Master of Science/ Doctor of Science **URL:** <http://www.sci.tohoku.ac.jp/english/igpas/>

**Inquiries:** [direct@mail.sci.tohoku.ac.jp](mailto:direct@mail.sci.tohoku.ac.jp)

### International Post-Graduate Program in Human Security

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

**Degree:** Master of Agriculture/ Doctor of Agriculture, 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](mailto: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/en/g30.html> **Inquiries:** [kyomu@mail.kankyo.tohoku.ac.jp](mailto: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](mailto: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 (IPEM)

### 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](mailto:eng-in@bureau.tohoku.ac.jp)

### International Program in Economics and Management (IPEM)

**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 Arts in Economics, Masters of Arts in Management, Ph.D. in Economics, or Ph. D. in Management  
**URL:** <http://www.econ.tohoku.ac.jp/econ/english/index.html> **Inquiries:** [ipem@econ.tohoku.ac.jp](mailto:ipem@econ.tohoku.ac.jp)

### Information Technology and Science Course

**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 **Inquiries:** [is-kyom@bureau.tohoku.ac.jp](mailto:is-kyom@bureau.tohoku.ac.jp)

### Interface Oral Health Science Course

**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](mailto: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](mailto:lif-kyom@bureau.tohoku.ac.jp)

### International Graduate Program in Language Sciences (IGPLS)

**Fields of Study:** Linguistics, Psychology, Brain Science, Information Science

**Degree:** Master of Arts in International Cultural Studies

**URL:** <http://www.intcul.tohoku.ac.jp/ls/> **Inquiries:** [igpls\\_g30@intcul.tohoku.ac.jp](mailto:igpls_g30@intcul.tohoku.ac.jp)

### Basic Medicine Course

**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](mailto:m-daigakuin@bureau.tohoku.ac.jp)

### Network Medicine Course

**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](mailto:m-daigakuin@bureau.tohoku.ac.jp)



Chemistry Laboratory (IGPAS)



Firewood collection in Gwasssi Hills Forest Reserve, Western Kenya (IPESS)

### 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.