

## Research Institutes

Institute	Division	Mission
Institute for Materials Research (Joint Usage / Research Center)	30 divisions	Experimental and Theoretical Studies of New Materials and their applications
Institute of Development, Aging and Cancer (Joint Usage / Research Center)	7 divisions	Basic and Clinical Studies of Cancer and Brain Diseases related to the aging process
Institute of Fluid Science (Joint Usage / Research Center)	4 divisions	Theoretical and Experimental Studies on Fluid Flows
Research Institute of Electrical Communication (Joint Usage / Research Center)	4 divisions	Theory and Application of Intelligent Information Science and Communications
Institute of Multidisciplinary Research for Advanced Materials (Joint Usage / Research Center)	4 divisions	Systematic and futuristic studies of new concepts, methodologies and processes related to advanced materials
International Research Institute of Disaster Science	7 divisions	Research on the Theory and Application of Disaster Sciences

## Inter-Department Institutes for Education and Research

Institute	Mission
Center for Northeast Asian Studies	To carry out regional interdisciplinary and integrated studies of North and East Asia, including Japan.
Research Center for Electron Photon Science (Joint Usage / Research Center)	Using the various electron and photon beams produced via electron accelerators, we aim to promote fundamental study and applied research of the various classes of materials in nuclear physics, accelerator science and material science. Furthermore, through the development of new electron photon beams, we aim to break new ground in unexplored areas of research, develop new areas of research while nurturing researchers and technical experts in the various fields of electron photon science.
Research Center for Neutrino Science	To contribute to the advancement of particle physics, astrophysics and geophysics through observation of low-energy neutrinos and research experiments conducted in extremely low-level radioactive environments.
Institute for Excellence in Higher Education (Joint Educational Development Center)	To plan, promote, and support professional development, and to raise the level of knowledge and pedagogy in universities in cooperation with departments.
Frontier Research Institute for Interdisciplinary Sciences	To develop and promote interdisciplinary research by making functional use of Tohoku University's knowledge with supporting senior and young researchers for the contribution to the advancement of mankind.
Center for Spintronics Research Network (CSRN)	To foster international as well as domestic collaboration in spintronics to enhance existing areas of research and to create new areas aiming at deepening science and creating new branches of industry, this center will promote cooperative research and be the hub of a network with other research institutions within Japan and overseas.
The Center for Academic Resources and Archives	To collect, store, preserve and research scholarly materials belonging to the University: including scientific specimens, important official documents as historical records and other materials relating to the University's history, and biological resources grown within the Botanical Gardens; thereby contributing to education and research at the University while also disseminating and making widely available such materials for the advancement of education in society.
Center for Information Technology in Education	To promote information sciences education, multimedia education and distance learning, to provide digital services for undergraduate and graduate students, and to manage and develop information systems necessary for the achievement of these objectives.
Cyclotron and Radioisotope Center	To conduct research studies in various energy fields using the cyclotron and high-level, short-lived radioisotopes, as well as to carry out training in the safe handling of radiation and radioisotopes. Interdisciplinary research is carried out in nuclear biology with an accelerator and instrumentations, as well as in radiopharmaceutical chemistry, cyclotron nuclear medicine, and radiation protection and safety control.
New Industry Creation Hatchery Center (NICHe)	To respond to the needs of society by creating new technologies and products as well as by exploring new uses and industries. Original and cutting edge research is carried out in collaboration with industry.
Technology Center for Research and Education Activities	Establish large-scale research facilities which contribute to the advancement of research and education and to manage these facilities in order to make them available for common use by faculty and other qualified persons. To offer a stable supply of low-temperature liquid and providing guidance in cryogenic technology. To promote upgrading, and the fusing of education and research with social contribution at the University, ensure research functions and equipment designated by the University are shared widely both within and outside of the University through collaborations with campus wide departments, schools and institutions.
Cyberscience Center (Joint Usage / Research Center)	The Cyberscience Center functions as both the Inter-Department Institution for Education and Research, and as the National Collaborative Research Institute. It fulfills a key role in promoting computerization in the University, managing design and operation of cyberinfrastructure based upon high-performance computing, networking and information-related technologies which promote the use of advanced information technology in research and education.