

Research Center of Possible Alignment

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Advanced Materials & Applied Life Sciences

UMA

Department of Biomedical Engineering (BME)

<https://www.umass.edu/engineering/biomedical-engineering>

Biomedical Engineering (BME) was founded in 2017 as part of a larger life sciences initiative at UMass Amherst to prepare students in biomedical engineering and to contribute to cutting-edge research in this field. The research conducted within the department is in the broad areas of bioinstrumentation and imaging, biomaterials, tissue engineering and regeneration, and biomechanics.

Department of Chemical Engineering (ChE)

<https://www.umass.edu/engineering/chemical-engineering>

The department of Chemical Engineering faculty are recognized for their technological innovation and contributions to engineering science fundamentals in the fields of bioengineering, materials science, nanotechnology, sustainability, and catalysis.

Department of Chemistry

<https://www.umass.edu/chemistry/>

The Department of Chemistry is a center of global excellence in biological chemistry and materials chemistry research, and a leader in education across all chemical disciplines. The department has a global reputation for in-house collaboration between faculty and across departments and boasts a broad and interdisciplinary portfolio of research teaching, and training.

Department of Civil and Environmental Engineering (CEE)

<https://www.umass.edu/engineering/civil-and-environmental-engineering>

The CEE Department is involved in a wide range of research activities organized around four main areas. Research activities areas focus on environmental and water resource engineering, geotechnical engineering, structural engineering and mechanics, and transportation engineering.

HU

Faculty of Advanced Life Science

<https://life.sci.hokudai.ac.jp/en/fa>

The Faculty of Advanced Life Science takes the responsibility on directing the Division of Life Science, Transdisciplinary Life Science Course and Division of Soft Matter at Graduate School of Life Science as graduate curriculum, and Division of Macromolecular Functions, Department of Biological Sciences at School of Science as undergraduate curriculum.

Frontier Research Center for Advanced Material and Life Science

<https://life.sci.hokudai.ac.jp/en/fr>

Established within the Faculty of Advanced Life Science, the Center, former Frontier Research Center for Post-Genome Science and Technology, is to develop international and industry-academia collaborations by progressing transdisciplinary research. The Center includes international research and educational activities and networks developed by the former Global Station for Soft Matter (GSS) of the Global Institution for Collaborative Research and Education (GI-CoRE), and the advanced facility unit for co-use as NMR, MS and X rays. Nitto Denko Corporation's Hokkaido laboratory in HU has boosted the Faculty's joint research with industry.

Research Institute for Electronic Science (RIES)

<https://www.es.hokudai.ac.jp/english/>

RIES is established to cultivate new interdisciplinary fields, works as a hub of nano-engineering and measurement support network, and widely covers Photonics and Optical Science, Material and Molecular Sciences, Biology and Life Sciences, Green Nanotechnology, Mathematics for Social Creativity, etc.

Department of Electrical and Computer Engineering (ECE)

<https://www.umass.edu/engineering/electrical-and-computer-engineering>

In the College of Engineering and the Department of Electrical and Computer Engineering stands a microwave nationally recognized Microwave Remote Sensing Lab (MIRSL) and graduated NSF Engineering Research Center for Collaborative Adaptive Sensing of the Atmosphere (CASA).

ECE's emerging areas of research excellence include nanoelectronics, hardware and physical-layer security and IOT (Internet of Things). The department aspires to create strength in bioelectronic devices and systems.

Department of Food Science

<https://www.umass.edu/food-science/>

One of the top Food Science PhD research programs in the U.S, with high-impact citations and renowned faculty. It boasts state-of-the-art facilities, significant industry partnerships, and a strong focus on enhancing food safety, quality, and sustainability through innovative research, education, and outreach.

Department of Mechanical and Industrial Engineering (MIE)

<https://www.umass.edu/engineering/mechanical-and-industrial-engineering>

Home to top-ranked programs taught by award winning faculty, an innovative makerspace, and cutting-edge collaborative research that address some of society's most pressing challenges in the areas such as of fluid dynamics, biomedical and healthcare engineering, materials science, dynamic systems and controls, renewable energy, advanced design and manufacturing, human factors, systems engineering, robotics and mechatronics.

Department of Microbiology

<https://www.umass.edu/microbiology/>

The department provides holistic research and training in all aspects of microbiology, setting themselves apart from many microbiology programs that are focused almost entirely on clinical microbiology. More than half of the department faculty study infectious diseases and ways to mitigate their spread. Current topics of exploration include the fighting infectious diseases, climate change resiliency, and microbial-based production processes. Research areas include microbial biotechnology, pathogenic microbiology, and environmental microbiology.

Graduate School of Chemical Sciences and Engineering

<https://www.cse.hokudai.ac.jp/en/>

As an integrated graduate school by the Department of Chemistry, Faculty of Science and Course of Applied Chemistry, Faculty of Engineering, the Graduate School focuses on education on Molecular Chemistry and Engineering, Materials Chemistry and Engineering, and Biological Chemistry and Engineering.

Institute for Chemical Reaction Design and Discovery (ICReDD)

<https://www.icredd.hokudai.ac.jp/>

Working on in-depth understanding and efficient development of chemical reactions through the interdisciplinary research of computational science, information science, and experimental science, being designated by the Japanese Ministry of Education as a [World Premier International Research Center Initiative \(WPI\)](#) hub.

Department of Physics

<https://www.umass.edu/physics/>

UMass Physics has a cutting-edge research portfolio probing the structure of matter, fundamental symmetries, and forces of nature through complementary experiments and theoretical studies. Areas of research include experimental particle and nuclear physics, fundamental interactions theory, quantum matter and quantum information, soft matter and bio-inspired materials.

Department of Polymer Science and Engineering (PSE)

<https://www.umass.edu/polymer-science/>

The department educates and pursues knowledge at the intersection of polymers and soft materials science, educating future leaders in these fields through highly impactful research and teaching. PSE builds from foundations in chemistry, physics, materials, and engineering to advance fundamental and applied discoveries, which enable new technologies and inspire strong collaborations with industry.

Institute for Applied Life Sciences

<https://www.umass.edu/ials>

Our vision [...] is to translate fundamental research into innovative product candidates, technologies, and services that deliver benefits to human health and well-being. [...] we combine deep and interdisciplinary expertise of more than 200 faculty led research groups from 29 departments on the UMass Amherst campus, with the diverse capabilities from industry and government partners."

Renewable Agriculture & Sustainability

UMA

Center for Energy Efficiency and Renewable Energy

<http://ceere.org/research>

A research/education service center conducting facility assessments and feasibility studies throughout the Northeast US in such areas as heating technologies, energy conservation methods, and energy storage.

The Energy Transition Institute

<https://www.energytransitionumass.org/>

Our researchers are tackling complex problems arising from the energy transition, using their expertise in physical and life sciences, engineering, social sciences, and the humanities.

Gloucester Marine Station

<https://www.umass.edu/ses/gloucester-marine-station>

The Gloucester Marine Station connects students and faculty to the North Shore's marine and coastal systems, to coastal communities, and to the public and private partners who live and work in the region. The Gloucester Marine Station's efforts are focused around four integrated programs centered on the overarching challenges of environmental change: [North Shore Blue Economy](#), [Sustainable Seafood](#), [Coastal Resilience](#) and Marine Ecology.

Northeast Center for Coastal Resilience

<https://www.umass.edu/earth-sustainability/northeast-center-coastal-resilience>

The Northeast Center for Coastal Resilience provides actionable coastal science, inform policy and local decision making, support sustainable blue economy development, and facilitate strategic regional collaborations

Northeast Climate Adaptation Science Center

<https://necasc.umass.edu>

We work with natural and cultural resource managers to gather the scientific information and build the tools needed to help fish, wildlife, water, land, and people adapt to the impacts of climate change.

Paros Center for Atmospheric Research

<https://www.umass.edu/paros-atmospheric-center/>

The new Paros Center for Atmospheric Research supports the translation of ongoing and future research into: improved hazardous weather predictions alert systems and policies that will save lives during storms extreme weather events that stem from climate change

HU

Center for Advanced Research of Energy and Materials (CAREM)

<https://www.eng.hokudai.ac.jp/labo/carem/en/>

Under the umbrella of the Faculty of Engineering, CAREM was established to conduct basic research on materials science and energy-oriented engineering to provide development of new clean energy resources and highly efficiency energy conversion that contributes to the SDGs. CAREM comprises the Laboratories of Integrated Function Materials, Quantum Energy Conversion Materials, Photon and Thermal Energy Conversion Materials, Energy Media, Chemical Energy Conversion Systems, Multi-Quantum Beam High Voltage Electron Microscope, and Neutron Materials Analysis.

Robust Agri-Forestry-Fishery-Engineering Research Development Platform (currently in reform)

Under the umbrella of the Faculty of Engineering, the Robust Platform worked to combine expertise and networks in Smart Agriculture, Manufacturing, Biomass and Energy, On-land Fisheries, etc. to realise a carbon-neutral food production community with stakeholders in and outside the University. The team is working on reforming its network.

Arctic Research Center (ARC)

<https://www.arc.hokudai.ac.jp/en/>

To contribute towards the sustainable development and conservation the Arctic, ARC was established to conduct interdisciplinary research and exploratory studies from natural sciences and humanities perspectives. In 2016-2021, ARC led the Global Station for Arctic Research (GSA) in the Global Institution for Collaborative Research and Education (GI-CoRE) in cooperation with University of Alaska Fairbanks, North-Eastern Federal University, University of Oslo and Nord University.

Institute for Low Temperature Science (ILTS)

<https://www2.lowtem.hokudai.ac.jp/en/index.html>

Founded in 1941, ILTS is the oldest research institute/center in Hokkaido University and has worked to develop basic studies on snow and ice, natural sciences in the cryosphere and cold environments. The establishment dates back to late Professor Ukichiro Nakaya of the University who created first artificial snow crystals in the world. Research groups comprise the Divisions of Water and Material Cycles, Frontier Ice and Snow Science, and Environmental Biology, and Pan-Okhotsk Research Center.

Family Forest Research Center

<http://www.familyforestresearchcenter.org/>

The Family Forest Research Center studies the behaviors and attitudes of the people who own forests. By investigating the social, political, and economic dimensions of family forest ownership, center researchers seek to improve forest conservation in order to better meet the current and future needs of forest owners, communities, and society.

Center for Agriculture, Food, and the Environment (CAFE)

<https://ag.umass.edu>

CAFE's key interest areas applicable to research are Agriculture, Commercial Horticulture, Energy, Environmental Conservation, Food Science, Nutrition, Water, and Youth Development.

Stockbridge School of Agriculture

<https://www.umass.edu/stockbridge>

Stockbridge integrates three research focus areas: sustainable food and landscapes; soils and the environment; and plant health. Stockbridge researchers address critical issues in global food security, specifically with research on soil health and fertility, plant stress, pest impacts on growth and productivity, and identification and mitigation of soil and water pollutants.

Water Resources Research Center

<http://wrrc.umass.edu/>

The Water Resources Research Center conducts research, education, and outreach on water resources issues of state, regional, and national importance as part of the national system of institutes.

Field Science Center for Northern Biosphere (FSC)

https://www.fsc.hokudai.ac.jp/home_en/

As an interdisciplinary research center affiliated with the Faculties of Agriculture, Science and Fisheries Sciences, FSC is to conduct comprehensive research primarily on the northern biosphere focusing on the conservation processes and mechanisms that impact biological diversity and ecosystem processes, the sustainable use of these components, the long-term monitoring in seven research forests, botanic garden, experimental farm and livestock farm, six marine, lake, fisheries and freshwater stations of the University. FSC's research divisions are Bioresource Development, Ecosystem Conservation, Sustainable Bioproduction, Biodiversity, Ecosystem Function, and Population and Community Ecology.

Research Faculty of Agriculture

<https://www.agr.hokudai.ac.jp/en>

The Research Faculty of Agriculture stands at the forefront of research on food security, bioresource management, biomass energy supply and environmental conservation by restructuring systematised agriculture through the following research groups: Agrobiology and Bioresources; Applied Bioscience; Bioscience and Chemistry; Forest Science; Animal Science; Bioresource and Environmental Engineering; Agricultural Economics, etc.

Global Center for Food, Land and Water Resources (GCF) / Graduate School of Global Food Resources

<https://www.agr.hokudai.ac.jp/gcf/>

<https://www.gfr.hokudai.ac.jp/>

As the former Global Station for Food, Land and Water Resources (GSF) in the Global Institution for Collaborative Research and Education (GI-CoRE), GCF focuses on latest international topics in Agriculture, Fisheries, Engineering, Health Science, Anthropology, Environmental Science, Economics and Education to tackle with global challenges concerning food, water and land resources. Faculties teach at the Graduate School of Global Food Resources.

Faculty of Fisheries Sciences

<https://www2.fish.hokudai.ac.jp/language-english/>

Comprised of the Divisions of Marine Bioresource and Environmental Sciences, and Marine Life Science, International Education Office, Education Offices for Science and Society, and Safety and Sustainability, the Faculty of Fisheries Sciences boost its research and education with two training ships [Oshoro-maru](#) and [Ushio-maru](#).

Data Science & Computation

UMA

Center for Data Science

<https://ds.cs.umass.edu/>

The Center for Data Science develops and applies methods to collect, curate, and analyze large-scale data, and to make discoveries and decisions using those analyses. To accomplish these goals, the Center addresses deep and varied research challenges, including how to design accurate wearable sensors, interpret images and human languages, align information from thousands of databases, and discern cause and effect.

Computational Social Science Institute (CSSI)

<http://www.cssi.umass.edu>

[CSSI] is a diverse interdisciplinary community of faculty who use computational models and methods to understand the social world. The Institute promotes dialog and collaboration across more than 80 faculty affiliates from over 20 departments in nine colleges at the University of Massachusetts Amherst.

Cybersecurity Institute

<https://infosec.cs.umass.edu/>

The Cybersecurity Institute is the intellectual focal point for multi-disciplinary cybersecurity education and research at UMass Amherst. The institute brings together dozens of internationally recognized faculty from across five UMass Amherst schools and colleges to address the critical, cross-industry need for innovative security research and well-trained cybersecurity professionals in the region. Working with partners in government, industry, and academia, the institute seeks to advance scientific and societal understanding of pressing issues related to the field.

DREAM Lab (Data systems Research for Exploration, Analytics, and Modeling)

<https://dream.cs.umass.edu>

DREAM Lab focuses on building systems for efficiently and securely managing data, encompasses diverse topics, including probabilistic databases, privacy-preserving data analysis, mining and analysis of social networks and graph data, secure database architectures, database support for machine learning, machine learning for data management, database auditing, data stream processing, sensor data management, flash-based database management, provenance, causality, reverse data management, diversity and fairness, among others.

HU

Faculty of Information Science and Technology

<https://www.ist.hokudai.ac.jp/eng/>

Together with faculties from RIES, Information Initiative Center, Research Center for Integrated Quantum Electronics, the Faculty of Information Science and Technology takes responsibility for teaching five courses: Computer Science and Information Technology, Electronics for Informatics, Bioengineering and Bioinformatics, Media and Network Technologies, Systems Science and Informatics.

Collaborative Center for Big Data and IoT (CCB)

<https://www.ist.hokudai.ac.jp/div/ccb/en/>

Former Global Station for Big Data and Cybersecurity (GSB) in the Global Institution for Collaborative Research and Education (GI-CoRE) which has cooperated with UMass Amherst CICS and College of Natural Sciences, and University of Technology Sydney

Information Initiative Center

<https://www.iic.hokudai.ac.jp/En/>

Comprised of the six research divisions of Supercomputing, Information Network, Digital Content, Media Education, System Design, Cybersecurity, and Cyber Security Center, the Information Initiative Center is designated as a [Joint Usage/Research Center for Interdisciplinary Large-scale Information Infrastructures \(JHPCN\)](#), and joins the Japan's [High Performance Computing Infrastructure \(HPCI\)](#).

Research Center for Integrated Quantum Electronics (RCIQE)

<https://www.rciqe.hokudai.ac.jp/en/>

RCIQE is originally established for research on understanding, control and device applications of nanostructure interfaces of semiconductors, and widen its research on integrated quantum nanoelectronics to realise an information-based eco-friendly society. Current focus includes Quantum Intelligent Devices, Advanced Electronic Nanomaterials, Functional Communication Devices and Circuits, Integrated Electron Devices.

Center for Human Nature, Artificial Intelligence, and Neuroscience (CHAIN)

<https://www.chain.hokudai.ac.jp/en/>

Gathering academics from the Faculty of Humanities and Human Sciences, Education and Research Center for Mathematical and Data Science, Research and Education Center for Brain Science, CHAIN was established to deploy interdisciplinary research around four major themes by merging humanities and sciences: the self; consciousness; sociality; and rationality.

Smart Agriculture Education and Research Centre

<https://vebots.bpe.agr.hokudai.ac.jp/en/>

Under the umbrella of the Research Faculty of Agriculture, the newly established centre is expected to contribute to solving issues facing the world, such as the shortage of human resources and the advancement of agricultural technology, by creating a cooperative system of industry-government-academia collaboration, and by promoting research and development of smart agriculture, human resource development, and social implementation.

Institute for Chemical Reaction Design and Discovery (ICReDD)

<https://www.icredd.hokudai.ac.jp/>

Working on in-depth understanding and efficient development of chemical reactions through the interdisciplinary research of computational science, information science, and experimental science, being designated by the Japanese Ministry of Education as a [World Premier International Research Center Initiative \(WPI\)](#) hub

Humanities & Societies

UMA

The Center for Braiding Indigenous Knowledge and Science
<https://www.umass.edu/social-sciences/organizations/cbiks>

Supported by the National Science Foundation's Science and Technology Centers Program, the Center for Braiding Indigenous Knowledges and Science (CBIKS) examines how to effectively and ethically braid Western and Indigenous science research, education, and practice related to the urgent and interconnected challenges of climate change, cultural places, and food security.

The Center for Heritage and Society

<https://blogs.umass.edu/infochs>

Multidisciplinary initiative for the development of new theory and implementation for heritage conservation around the world in fields such as archaeology, history, environmental science, landscape architecture, regional planning, architecture, European studies, Native American Indian Studies, Afro-American Studies, Classics, legal studies, and public policy.

The Center for International Education (CIE)

<https://www.umass.edu/cie>

The center engages in implementation and research activities in international development of educational institutions and systems-especially in conflict or crisis contexts. CIE works to provide professional development and capacity building, education policy and leadership, nonformal and popular adult education, higher education, and internationalizing U.S. education. CIE has two major functions: 1) it solicits and manages externally funded research studies and education development projects; 2) it simultaneously serves as a learning community for associated graduate students interested in working to develop educational systems around the world, particularly in low-resource settings and those afflicted by conflict and crisis.

The Political Economy Research Institute (PERI)

<https://peri.umass.edu>

PERI promotes human and ecological well-being through original research. PERI has become a leading source of research and policy initiatives on issues of globalization, unemployment, financial market instability, central bank policy, living wages and decent work, and the economics of peace, development, and the environment.

HU

Center for Ainu and Indigenous Studies (CAIS)

<https://www.cais.hokudai.ac.jp/english/>

CAIS was established to conduct comprehensive and interdisciplinary studies into Ainu and other indigenous peoples and to make proposals for their reciprocal coexistence in a multicultural society. In 2013, CAIS was designated as the [Advanced Core Research Centre for the History of Human Ecology in the North](#) by the Japan Society for the Promotion of Science (JSPS) Core-to-Core project. In 2021, CAIS led the establishment of [Global Station for Indigenous Studies and Cultural Diversity \(GSI\) in the Global Institution for Collaborative Research and Education \(GI-CoRE\)](#) where to solve the global and regional issues of indigenous peoples and elucidate the nature of cultural diversity with indigenous communities together with invited faculties from Universities of Oxford, Uppsala, Lund, Helsinki, Simon Fraser, Australian National, Alaska, Arizona, Oregon, Peking, National Taiwan, and Melbourne. GSI covers three fields of studies: Indigeneity; Indigenous Heritage; and Human Ecology and Global Health.

Center for Northern Humanities

<https://cnh-hu.sakura.ne.jp/english>

Under the umbrella of the Faculty of Humanities and Human Sciences, the Center was established to promote multidisciplinary research in Northern Humanities as History, Culture, Linguistics, Art, and Environmental Studies

Graduate School of Public Policy (HOPS)

<https://www.hops.hokudai.ac.jp/en/>

Composed with faculties from the Graduate School of Law, Faculties of Economics and Business, and Engineering, HOPS aims to foster professionals who work with 'glocal' perspectives in policy making from their Public Management, International Policy and Technological Policy programmes, and address various challenges of the local municipalities for the sustainable development of not only Hokkaido but regions that face similar challenges as ageing society. Research conducted in HOPS varies as Labor Economics, Microeconomics, Environmental Economics, Urban Economics, International Finance, International Development and Cooperation, Comparative Politics, Contemporary American/Japanese/European Politics, Social Policy, Solid Waste Technology Policy, Tax Policy, Forestry Conservation Policy, Public Administration, etc.

School of Public Policy

<https://www.umass.edu/public-policy>

The UMass Amherst School of Public Policy is the hub of interdisciplinary public policy research, teaching, and engagement at the University of Massachusetts Amherst. Formerly known as the Center for Public Policy & Administration, it was elevated to a school in 2016 to reflect its expanding mission. The school offers an undergraduate major in Public Policy and professional master's degrees in Public Affairs (one-year MPA) and Public Policy & Administration (two-year MPPA). Award-winning faculty specialize in areas such as social policy, environmental sustainability, science and technology policy, nonprofit management, education, and LGBTQIA+ equality. The UMass Amherst School of Public Policy has been recognized as one of the most innovative public service programs in the United States. It received the Network of Schools of Public Policy, Affairs, and Administration's inaugural Social Equity Award for advancing social justice and change.

East Asian Languages and Cultures

<https://www.umass.edu/east-asia/japanese>

At UMass Amherst the Japanese language and literature programs give students a sound command of the language and a solid background in the significance and context of the literature, culture, and civilization.

Russian, Eurasian, and Polish Studies

<https://www.umass.edu/russian-eurasian-polish/>

The Russian, Eurasian, and Polish Studies program at UMass Amherst offers an interdisciplinary exploration of the region's history, culture, politics, and languages. It combines language learning, cultural immersion, and study abroad to prepare students for global engagement.

Center for Philosophy and Children

<https://www.umass.edu/philosophy/outreach/umass-center-philosophy-and-children>

The UMass Center for Philosophy and Children promotes philosophical inquiry among young people. Through programs like Philosophy in Public Schools and summer initiatives, it fosters critical thinking and dialogue, empowering students to explore complex ideas.

Slavic-Eurasian Research Center (SRC)

<https://src-h.slav.hokudai.ac.jp/index-e.html>

As the only institution for general Slavic regional studies in Japan, SRC is the forefront of Slavic Eurasian studies in Japan and around the world. SRC consists of five research divisions: Russian Studies; Siberian and Far Eastern Studies; Central Eurasian Studies; East European Studies; and Comparative Studies. SRC welcomes overseas visiting scholars every year via their own Foreign Visitors Fellowship Programme and over 150 associated research fellows for conducting joint research projects. Currently SRC is running a five-year project the [Platform for Explorations in Survival Strategies](#) that explores survival strategies in a changing world order with a view towards redefining its missions, in cooperation with the HU Graduate Schools of Law and Public Policy, Faculties of Economics and Business, Humanities and Human Sciences, Media and Communication, Kyoto University, and Tokyo University of Foreign Studies.

Center for Applied Ethics and Philosophy (CAEP)

<https://caep-hu.sakura.ne.jp/en/>

Under the umbrella of the Faculty of Humanities and Human Sciences, CAEP was established to promote research and education in applied ethics including bioethics, engineering ethics, environmental ethics, medical ethics, research ethics, and on problems concerning gender, sexuality, and life and death (thanatology).

Center for Experimental Research in Social Sciences (CERSS)

<https://lynx.let.hokudai.ac.jp/cerss/en/top-english/>

Under the umbrella of the Creative Research Institution, CERSS was established to promote experimental research in social and human sciences, particularly on understanding the relationship between the human mind, behavior, and society as the sociality of mind. CERSS operates labs on Group Experiment, Worldwide Network Experiment, Perception/Sensation System, and fMRI, and provide the infrastructure for a wide variety of experimental studies.

Faculty of Education

<https://www.edu.hokudai.ac.jp/en/>

The Faculty of Education is to cultivate educators with a broad view as educational specialists, capability of understanding, and deep respect and compassion for mankind. Offering students specialty as Multicultural Education, Physical Education, Health Education, Clinical Psychology, Educational Psychology, Educational Social Sciences, Lifelong Learning and School Education. Under the umbrella, the Research and Clinical Center for Child Development is established.

College of Education

<https://www.umass.edu/education/organizations>

The College of Education is dedicated to advancing education through research, teaching, and community engagement. With a commitment to equity, diversity, and social justice, the college prepares educators, counselors, and leaders who can address the evolving needs of learners in diverse settings. Programs span early childhood education, special education, educational leadership, and more. Faculty engage in cutting-edge research on topics like inclusive education, literacy development, and educational policy

Institute for Holocaust, Genocide, and Memory Studies

<https://www.umass.edu/ihgms/>

The Institute for Holocaust, Genocide, and Memory Studies at the University of Massachusetts Amherst is a locus for research and teaching on the Holocaust, genocides, and events of mass violence as well as on the memory and representation of these historical occurrences.

Public History Program

<https://www.umass.edu/history/academics/public>

Massachusetts boasts a rich network of museums, archives, historical societies, documentary filmmakers, and historic preservation agencies, as well as one of the top public research universities in the nation. Since 1986, the Public History Program at the University of Massachusetts Amherst has provided a vital link between the university and the Commonwealth's wide variety of institutions that preserve and communicate history to the public.

Interdisciplinary Studies Institute

<https://www.umass.edu/isi/>

The Interdisciplinary Studies Institute (ISI) at UMass Amherst is a forum fostering intellectual and creative exchange across disciplines. It facilitates faculty engagement through seminars, lectures, and working groups, promoting cross-disciplinary collaboration and innovation.

Hospitality and Tourism Management Department

<https://www.isenberg.umass.edu/programs/depts/htm>

The HTM department at UMass Amherst is one of the world's most established and successful hospitality and tourism management programs, with over 75 years of producing hospitality leaders. Situated within the Isenberg School of Management, HTM offers students a more effective education with courses such as marketing, business information, communications, finance, and accounting, as well as in the specialization of hospitality and tourism management.

Modern Japanese Studies Program (MJSP)

<https://www.oia.hokudai.ac.jp/mjsp/>

MJSP is a four-year bilingual undergraduate program in Japanese Studies to offer History and Culture, and Society and Political Economy modules as well as intensive Japanese language courses. Faculty comprises Japanese and Japanese Education History, Rural Japan, Lifestyle Migration, Ethnography, Youth Employment, Political Economy of Japan, etc.

Center for Advanced Tourism Studies (CATS)

<https://www.cats.hokudai.ac.jp/en/>

CATS was established as the first Japanese national university research institution focused on tourism, community development, art and media tourism with a mission to investigate and advise communities in creative tourism through responsible use of natural, cultural and human resources. Some of the staff members are under internal joint appointments with GI-CoRE GSI and the Research Faculty of Media and Communication.