Fields of Study, Subjects and Concentrations—Fall 2020

Explanation of typefaces and styles:
- **boldface, red** Field  
- all caps SUBJECT  
- brackets [Degree]  
- bullets • concentration  
- **bold italics, red** Minor Field  
- all caps, italics MINOR SUBJECT  
- bullets, italics minor concentration

Aerospace Engineering
AEROSPACE ENGINEERING  
[M.Eng., Ph.D.]
- aerodynamics  
- aerospace systems  
- biomedical mechanics  
- dynamics and control  
- materials and structures  
- propulsion  
- thermal sciences

African Studies
AFRICANA STUDIES [Ph.D.]
- Africana studies  
- cultural, literary, and visual analysis  
- historical, political, and social analysis

American Indian and Indigenous Studies
AMERICAN INDIAN AND INDIGENOUS STUDIES  
- American Indian and Indigenous Studies

American Studies
AMERICAN STUDIES  
- American studies

Animal Science
AGRICULTURE AND LIFE SCIENCE (Animal Science) [M.P.S.]
- animal genetics  
- animal genomics  
- animal nutrition  
- animal science  
- physiology of reproduction

ANIMAL SCIENCE  
[M.S., M.S./Ph.D., Ph.D.]
- animal genetics  
- animal genomics  
- animal nutrition  
- animal science  
- physiology of reproduction

Anthropology
ANTHROPOLOGY [M.A., Ph.D.]
- archaeological anthropology  
- socio-cultural anthropology

Astronomy and Space Sciences
ASTRONOMY AND SPACE SCIENCES  
[Ph.D.]
- astrobiology  
- astronomy  
- astrophysics  
- astrostatistics  
- cosmology  
- data science  
- exoplanets  
- instrumentation  
- planetary sciences  
- planetary studies  
- space sciences [general]  
- theoretical astrophysics

Atmospheric Science
ATMOSPHERIC SCIENCE  
[M.S., M.S./Ph.D., Ph.D.]
- atmospheric science

Biochemistry, Molecular, and Cell Biology
BIOCHEMISTRY [Ph.D.]
- biochemistry

MOLECULAR AND CELL BIOLOGY  
[Ph.D.]
- cell biology  
- molecular biology

Biological and Environmental Engineering
AGRICULTURE AND LIFE SCIENCES (Biological and Environmental Engineering) [M.P.S.]
- bioenergy and integrated energy systems  
- bioenvironmental engineering  
- biological engineering  
- bioprocess engineering  
- ecohydrology  
- environmental engineering  
- environmental management  
- food engineering  
- industrial biotechnology  
- nanobiotechnology  
- sustainable systems  
- synthetic biology

BIOLOGICAL AND ENVIRONMENTAL ENGINEERING [M.Eng., M.S., Ph.D.]
- bioenergy and integrated energy systems  
- bioenvironmental engineering  
- biological engineering  
- bioprocess engineering  
- ecohydrology  
- environmental engineering  
- environmental management  
- food engineering  
- industrial biotechnology  
- nanobiotechnology  
- sustainable systems  
- synthetic biology

Archeology
ARCHAEOLOGY [M.A.]
- African archaeology  
- archaeological science  
- archaeology of Europe, the Caucasus and Eurasia  
- economy and exchange  
- identity  
- intercultural engagement  
- landscape and environment

Architecture
ADVANCED ARCHITECTURAL DESIGN  
(Post-Professional) [M.S.]
- advanced architectural design  
- theory and criticism of architecture  
- urban design

ARCHITECTURAL SCIENCE [M.S.]
- building technology and environmental science  
- computer graphics

ARCHITECTURAL SCIENCE – MATTER DESIGN COMPUTATION [M.S.]
- matter design computation

ARCHITECTURE [M.Arch]
- architecture

HISTORY OF ARCHITECTURE AND URBAN DEVELOPMENT  
[Ph.D.]
- history of architecture  
- history of urban development

Art
CREATIVE VISUAL ARTS [M.F.A.]
- painting  
- photography  
- printmaking  
- sculpture  
- studio art

Asian Literature, Religion, and Culture
ASIAN LITERATURE, RELIGION, AND CULTURE [Ph.D.]
- Asian religions  
- East Asian literature and culture  
- South Asian literature and culture  
- Southeast Asian literature and culture  
- theory and method

Asian Studies
ASIAN STUDIES [M.A.]
- East Asian linguistics  
- East Asian studies  
- South Asian linguistics  
- South Asian studies  
- Southeast Asian linguistics  
- Southeast Asian studies  
- Latin American and Caribbean archaeology  
- materiality  
- Mediterranean and Near Eastern archaeology  
- museums and heritage  
- North American archaeology  
- politics and complexity  
- ritual and religion  
- South and East Asian archaeology  
- visual culture

Biochemistry
BIOCHEMISTRY [Ph.D.]
- biochemistry  
- biophysical chemistry

Biological and Environmental Engineering
AGRICULTURE AND LIFE SCIENCES (Biological and Environmental Engineering) [M.P.S.]
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- environmental management  
- food engineering  
- industrial biotechnology  
- nanobiotechnology  
- sustainable systems  
- synthetic biology
Biomedical and Biological Sciences

BIOMEDICAL SCIENCES [Ph.D.]
- immunology and infectious disease
- molecular and cellular medicine
- population medicine and epidemiology
- translational medicine
- zoology and wildlife conservation

Biomedical Engineering

BIOMEDICAL ENGINEERING [M.Eng., Ph.D.]
- biomedical engineering

Biophysics

BIOPHYSICS [Ph.D.]
- biophysics

Chemical Engineering

CHEMICAL ENGINEERING [M.Eng., M.S., Ph.D.]
- advanced materials processing
- applied math and computational methods
- biochemical engineering
- chemical reaction engineering
- classical and statistical thermodynamics
- fluid dynamics, rheology, and biorheology
- heat and mass transfer
- kinetics and catalysis
- polymers
- surface science

Chemistry and Chemical Biology

CHEMISTRY AND CHEMICAL BIOLOGY [M.S., Ph.D.]
- analytical chemistry
- bio-organic chemistry
- biophysical chemistry
- chemical biology
- chemical physics
- inorganic chemistry
- organic chemistry
- organometallic chemistry
- physical chemistry
- polymer chemistry
- theoretical chemistry

City and Regional Planning

- city and regional planning
- designing the city
- economic development planning: communities and regions

Comparative Biomedical Sciences

PUBLIC HEALTH [M.P.H.]
- food systems for health
- infectious disease epidemiology

VETERINARY MEDICAL SCIENCES [M.P.S.]
- veterinary parasitology

Comparative Literature

COMPARATIVE LITERATURE [Ph.D.]
- comparative literature

Computational Biology

COMPUTATIONAL BIOLOGY [Ph.D.]
- computational behavioral biology
- computational biology
- computational cell biology
- computational ecology
- computational genetics
- computational macromolecular biology
- computational organisinal biology

Computational Science and Engineering

COMPUTATIONAL SCIENCE AND ENGINEERING [M.Eng., Ph.D.]
- computational science and engineering

Computer Science

COMPUTER SCIENCE [M.Eng., M.S., Ph.D.]
- artificial intelligence
- computer science
- programming languages and logics
- scientific computing and applications
- systems
- theory of computation

Data Science

DATA SCIENCE
- data science

Demography

DEMOGRAPHY
- demography

Design and Environmental Analysis

DESIGN [M.A.]
- design + health
- design for interaction
- emerging technology for design
- sustainable design studies

HUMAN BEHAVIOR AND DESIGN [Ph.D.]
- human behavior and design

HUMAN-ENVIRONMENT RELATIONS [M.S.]
- design + health
- emerging technology for design

Economics

ECONOMICS [Ph.D.]
- applied economics
- basic analytical economics
- econometrics and economic statistics
- economic development and planning
- economic history
- economic systems
- economic theory
- economics of education
- health economics
- industrial organization and control
- international economics
- labor economics
- monetary and macroeconomics
- public finance

Development Sociology

DEVELOPMENT SOCIOLOGY [M.S./Ph.D., Ph.D.]
- development sociology
- methods of social research
- population and development
- rural and environmental sociology
- state, economy, and society

Ecology and Evolutionary Biology

ECOLOGY [M.S., Ph.D.]
- animal ecology
- applied ecology
- biogeochemistry
- community and ecosystem ecology
- limnology
- oceanography
- physiological ecology
- plant ecology
- population ecology
- theoretical ecology
- vertebrate zoology

ECONOMIC DEVELOPMENT [M.S., Ph.D.]
- emerging technology
- infrastructure
- international trade
- policy
- public finance

Electrical and Computer Engineering

ELECTRICAL AND COMPUTER ENGINEERING [M.Eng., Ph.D.]
- computer engineering
- electrical engineering
- environmental psychology and human factors
- facility planning and management
- sustainable design studies
English Language and Literature

- creative writing

Environmental Quality

- environmental quality

Epidemiology

- human and animal epidemiology

Entomology

- acarology
- apiculture
- applied entomology
- aquatic entomology
- biological control
- general entomology
- insect behavior
- insect biochemistry
- insect ecology
- insect genetics
- insect morphology
- insect pathology
- insect physiology
- insect systematics
- insect toxicology and insecticide chemistry
- integrated pest management
- medical and veterinary entomology

Food Science and Technology

- dairy science
- enology
- food chemistry
- food engineering
- food science [general]
- sensory evaluation

Genetics, Genomics and Development

- developmental biology
- genetics
- genomics

Geological Sciences

- economic geology
- engineering geology
- environmental geophysics

Fiber Science and Apparel Design

- apparel design

Film and Video Studies

- film and video studies

Feminist, Gender, and Sexuality Studies

- feminist, gender, and sexuality studies

Genomics

- genomics

Germanic Studies

- Old Norse

Global Development

- global development

Horticulture

- breeding of horticultural crops
- controlled environment agriculture
- horticultural crop management systems
- human-plant interactions
- physiology and ecology of horticultural crops
- public garden leadership
- viticulture

Hotel Administration

- marketing
- real estate management

History

- African history
- American history
- American studies
- ancient Greek history
- ancient history
- ancient Roman history
- early modern European history
- English history
- French history
- German history
- history of science
- Korean history
- Latin American history
- medieval Chinese history
- medieval history
- modern Chinese history
- modern European history
- modern Japanese history
- modern Middle Eastern history
- premodern Islamic history
- premodern Japanese history
- Renaissance history
- Russian history
- south Asian history
- Southeast Asian history

History of Art, Archaeology, and Visual Studies

- 19th century art
- African, African-American, and African diaspora
- American art
- ancient art and archaeology
- Asian American art
- Asian art
- baroque art
- comparative modernities
- contemporary art
- digital art
- East Asian art
- history of photography
- Islamic art
- Latin American art
- medieval art
- modern art
- Native American and Indigenous studies
- Renaissance art
- South Asian art
- Southeast Asian art
- theory and criticism
- visual studies

Horticulture and Visual Studies

- 19th century art
- African, African-American, and African diaspora
- American art
- ancient art and archaeology
- Asian American art
- Asian art
- baroque art
- comparative modernities
- contemporary art
- digital art
- East Asian art
- history of photography
- Islamic art
- Latin American art
- medieval art
- modern art
- Native American and Indigenous studies
- Renaissance art
- South Asian art
- Southeast Asian art
- theory and criticism
- visual studies

Horticulture

- breeding of horticultural crops
- controlled environment agriculture
- horticultural crop management systems
- human-plant interactions
- physiology and ecology of horticultural crops
- public garden leadership
- viticulture

Horticultural Biology

- breeding of horticultural crops
- horticultural crop management systems
- human-plant interactions
- physiology and ecology of horticultural crops

Hotel Administration

- marketing
- real estate management
### Human Development

#### DEVELOPMENTAL PSYCHOLOGY (M.A., Ph.D.)
- aging and health
- cognitive development
- developmental psychopathology
- ecology of human development
- law, psychology, and human development
- social and personality development

#### HUMAN DEVELOPMENT AND FAMILY STUDIES (M.A., Ph.D.)
- aging and health
- ecology of human development
- family studies and the life course

### Industrial and Labor Relations

#### HUMAN RESOURCES (Online) [M.P.S.]
- human resource management
- labor relations, economics, and organizational behavior

#### INDUSTRIAL AND LABOR RELATIONS [M.I.L.R., M.I.L.R./M.B.A. (dual degree), M.P.S., M.S., M.S./Ph.D., Ph.D.]
- collective representation (M.I.L.R. only)
- dispute resolution (M.I.L.R. only)
- human resource studies (M.S./Ph.D. only)
- human resources and organizations (M.I.L.R. only)
- international and comparative labor
- labor economics
- labor market policy (M.I.L.R. only)
- labor relations, law, and history (M.S./Ph.D. only)
- organizational behavior (M.S./Ph.D. only)
- social statistics

### Information Science

#### INFORMATION SCIENCE [M.P.S., Ph.D.]
- cognition
- human-computer interaction
- information science
- information systems
- social aspects of information

#### Landscape Architecture

#### LATIN AMERICAN STUDIES

#### Latina/o Studies

#### Law

#### Lesbian, Gay, Bisexual and Transgender Studies

#### Linguistics

#### Management

#### Materials Science and Engineering

#### Mathematics

#### Mechanical Engineering

#### Medieval Studies

#### Microbiology

#### Music

#### Natural Resources

#### Neurobiology and Behavior

#### Nutrition

#### Operations Research and Information Engineering

#### Near Eastern Studies

#### Neurobiology

#### Operations Research

#### Psychology

#### Social Work

#### Sociology

#### Urban, Regional and Environmental Planning

#### Wildlife Science

#### Wildlife Management

#### Women's Studies

#### Wildlife Science
Peace Studies and Peace Science

Peace Science
- peace science

Peace Studies
- peace studies

Performing and Media Arts

Performing and Media Arts
- cinema and media studies
- theatre and performance studies
- theatre practice (acting or directing)
- theatre theory and aesthetics

Philosophy

Philosophy [Ph.D.]
- philosophy

Physics

Physics [Ph.D.]
- experimental physics
- physics
- theoretical physics

Plant Biology

AGRICULTURE AND LIFE SCIENCES
- plant biotechnology

PLANT BIOLOGY [Ph.D.]
- cytology
- paleobotany
- plant biochemistry
- plant biotechnology
- plant cell biology
- plant ecology
- plant molecular biology
- plant morphology, anatomy, and biomechanics
- plant physiology
- systematic botany

Plant Breeding

AGRICULTURE AND LIFE SCIENCES
- plant breeding

PLANT BREEDING [M.S., M.S./Ph.D., Ph.D.]
- plant breeding
- plant genetics

Plant Pathology and Plant-Microbe Biology

PLANT PATHOLOGY [M.S., Ph.D.]
- fungal and oomycete biology
- plant pathology
- plant-microbe biology

Policy Analysis and Management

EXECUTIVE HEALTH ADMINISTRATION [M.H.A.]
- health administration

- health administration

POLICY ANALYSIS AND MANAGEMENT [Ph.D.]
- public policy

Psychology

PSYCHOLOGY [Ph.D.]
- behavioral and evolutionary neuroscience
- perception, cognition and development
- social and personality psychology

Public Affairs

PUBLIC ADMINISTRATION [M.H.A., M.P.A. (dual degree), M.P.A.]
- economic and financial policy
- environmental policy
- government, politics, and policy studies
- human rights and social justice
- international development studies
- public and nonprofit management
- science and technology policy
- science, technology, and infrastructure policy
- social policy

Real Estate

REAL ESTATE [M.P.S.]
- real estate

Regional Science

REGIONAL SCIENCE [M.A., M.S., Ph.D.]
- environmental studies
- international spatial problems
- location theory
- multiregional economic analysis
- peace science
- planning methods
- urban and regional economics

Risk Analysis, Communication, and Policy

RISK ANALYSIS, COMMUNICATION, AND POLICY
- risk analysis, communication, and policy

Romance Studies

ROMANCE STUDIES [Ph.D.]
- French literature
- French studies
- Hispanic literature

Science and Technology Studies

SCIENCE AND TECHNOLOGY STUDIES [Ph.D.]
- history and philosophy of science and technology
- social studies of science and technology

Sociology

SOCIOLOGY [M.A., Ph.D.]
- community & urban sociology
- computational social science
- culture
- economy and society
- gender
- inequality and social stratification
- methodology
- organizations, work, and occupations
- policy analysis
- political sociology/social movements
- race, ethnicity, and immigration
- science, technology, & medicine
- social demography
- social networks
- social psychology
- sociology of education
- sociology of family
- sociology of health and illness

Soil and Crop Sciences

AGRICULTURE AND LIFE SCIENCES
- agronomy
- environmental information science
- environmental management
- field crop sciences
- soil science

Stem Cell Biology

STEM CELL BIOLOGY
- stem cell biology

Sustainable Energy

SUSTAINABLE ENERGY
- sustainable energy

Systems Engineering

SYSTEMS [M.S., Ph.D.]
- systems engineering

SYSTEMS ENGINEERING [M.Eng.]
- systems engineering

Theoretical and Applied Mechanics

ENGINEERING MECHANICS [M.Eng.]
- advanced composites and structures

THEORETICAL AND APPLIED MECHANICS [Ph.D.]
- dynamics and space mechanics
- fluid mechanics
- mechanics of materials
- solid mechanics

Urban Studies

URBAN STUDIES
- urban studies

Water Resources

WATER RESOURCES
- water resources