Fields of Study, Subjects, and Concentrations—Spring 2022

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

**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
- sociocultural anthropology

**Applied Economics and Management**
APPLIED ECONOMICS AND MANAGEMENT [M.P.S., M.S., Ph.D.]
- applied behavioral economics and individual choice
- environmental, energy, and resource economics
- food and agricultural economics
- international and development economics
- management

**Applied Information Systems**
INFORMATION SYSTEMS [M.S.] (NYC)
- connective media
- health tech
- urban tech

**Applied Mathematics**
APPLIED MATHEMATICS [Ph.D.]
- applied mathematics

**Applied Physics**
APPLIED PHYSICS [M.S., Ph.D.]
- applied physics
ENGINEERING PHYSICS [M.Eng.]
- engineering physics

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

**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 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

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

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

**Africana Studies**
AFRICANA STUDIES [Ph.D.]
- African 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
dairy business management
- dairy management
- physiology of reproduction

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- astrophysics
- astrostatistics
- cosmology
- data science
- exoplanets
- instrumentation
- planetary sciences
- space sciences [general]
- theoretical astrophysics

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ATMOSPHERIC SCIENCE [M.S., M.S./Ph.D., Ph.D.]
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MOLECULAR AND CELL BIOLOGY [Ph.D.]
- cell biology
- molecular biology

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- bioenvironmental engineering
- biological engineering
- bioprocess engineering
- ecohydrology
- environmental engineering
- environmental management
- food engineering
- industrial biotechnology
- nanobiotechnology
- sustainable systems
- synthetic biology

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- materials and structures
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- American Indian and Indigenous Studies

**American Studies**
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- animal genomics
- animal nutrition
- animal science
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- dairy management
- physiology of reproduction
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 bioreheology
- 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

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 organismal biology

Computational Science and Engineering

COMPUTATIONAL SCIENCE AND ENGINEERING
- computational science and engineering

Computer Science

COMPUTER SCIENCE [M.Eng. (NYC option), 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
- environmental psychology and human factors
- facility planning and management
- sustainable design studies

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

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

Electrical and Computer Engineering

ELECTRICAL AND COMPUTER ENGINEERING [M.Eng. (NYC option), Ph.D.]
- computer engineering
- electrical engineering
- electrical systems
- electrophysics
English Language and Literature
CREATIVE WRITING [M.F.A.]
• creative writing

ENGLISH LANGUAGE AND LITERATURE [Ph.D.]
• African American literature
• American literature after 1865
• American literature to 1865
• American studies
• colonial and postcolonial literatures
• cultural studies
• dramatic literature
• English poetry
• lesbian, bisexual, and gay literary studies
• literary criticism and theory
• Old and Middle English
• prose fiction
• the English Renaissance to 1660
• the nineteenth century
• the Restoration and the eighteenth century
• the twentieth century
• women's literature

Entomology
ENTOMOLOGY
[M.S., M.S./Ph.D., Ph.D.]
• acarology
• apiculture
• applied entomology
• aquatic entomology
• biological control
• 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

Environmental Quality
ENVIRONMENTAL QUALITY
• environmental quality

Epidemiology
EPIDEMIOLOGY
• human and animal epidemiology

Feminist, Gender, and Sexuality Studies
FEMINIST, GENDER, AND SEXUALITY STUDIES
• feminist, gender, and sexuality studies

Fiber Science and Apparel Design
APPAREL DESIGN [M.A., Ph.D.]
• apparel design
FIBER SCIENCE [M.S., Ph.D.]
• fiber science
• polymer science
• textile science

HUMAN ECOLOGY [M.P.S.]
• apparel design
• fiber science

Film and Video Studies
FILM AND VIDEO STUDIES
• film and video studies

Food Science and Technology
AGRICULTURE AND LIFE SCIENCES
(Food Science & Technology) [M.F.S.]
• dairy processing
• enology
• food chemistry/product development
• food engineering
• food microbiology/food safety
• food science
• food toxicology
• sensory evaluation
FOOD SCIENCE AND TECHNOLOGY
[M.S., Ph.D.]
• dairy science
• enology
• food chemistry
• food engineering
• food microbiology
• food processing waste technology
• food science [general]
• international food science
• sensory evaluation

Genetics, Genomics and Development
GENETICS [Ph.D.]
• developmental biology
• genetics
• genomics

Genomics
GENOMICS
• genomics

Geological Sciences
GEOLOGICAL SCIENCES
[M.Eng., M.S., Ph.D.]
• economic geology
• engineering geology
• environmental geophysics
• general geology
• geobiology
• geochemistry and isotope geology
• geohydrology
• geomorphology
• geophysics
• geotectonics
• marine geology
• mineralogy
• ocean science and technology
• paleontology
• petroleum geology
• petrology
• planetary geology
• Precambrian geology
• Quaternary geology
• rock mechanics
• sedimentology
• seismology
• stratigraphy
• structural geology

Germanic Studies
GERMANIC STUDIES [Ph.D.]
• German area studies
• German intellectual history
• Germanic linguistics
• Germanic literature
• Old Norse

Global Development
GLOBAL DEVELOPMENT [M.P.S.]
• global development

Government
GOVERNMENT [Ph.D.]
• American politics
• comparative politics
• international relations
• political methodology
• political thought
• public policy

History
HISTORY [Ph.D.]
• 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
HISTORY OF ART AND ARCHAEOLOGY [Ph.D.]
• 19th century art
• African, African-American, and African diaspora
• American art
• ancient art and archaeology
• Asian American 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
HORTICULTURAL BIOLOGY
[M.S., Ph.D.]
• breeding of horticultural crops
• horticultural crop management systems
• human-plant interactions
• physiology and ecology of horticultural crops

Hotel Administration
HOSPITALITY MANAGEMENT [M.M.H.]
• marketing
• real estate management

HOTEL ADMINISTRATION [M.S., Ph.D.]
• financial management
• food and beverage management
• hospitality management
• hotel accounting
• hotel administration
- human resource management
- marketing
- properties asset management
- 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 [M.P.S.] (Online)
- 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. (NYC option), 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

**Integrative Plant Science**

AGRICULTURE AND LIFE SCIENCES (Integrative Plant Science) [M.P.S.]
- agronomy
- controlled environment agriculture
- field crop sciences
- geospatial applications
- hemp science
- plant protection
- plant biotechnology
- public garden leadership
- soil science
- viticulture

**Landscape Architecture**

- landscape architecture

**Latin American Studies**

LATIN AMERICAN STUDIES
- Latin American studies

**Law**

LAW [J.S.D]
- law

**Lesbian, Gay, Bisexual and Transgender Studies**

LESBIAN, GAY, BISEXUAL AND TRANSGENDER STUDIES
- lesbian, gay, bisexual and transgender studies

**Linguistics**

LINGUISTICS [Ph.D.]
- computational linguistics
- East Asian linguistics
- English linguistics
- general linguistics
- Germanic linguistics
- Indo-European linguistics
- phonetics
- phonological theory
- second language acquisition
- semantics
- Slavic linguistics
- Southeast Asian linguistics
- syntactic theory

**Management**

BUSINESS ANALYTICS [M.S.]
- accounting
- entrepreneurship
- finance
- managerial economics
- marketing
- organizational behavior
- production and operations

**Materials Science and Engineering**

MATERIALS SCIENCE AND ENGINEERING [M.Eng., M.S., Ph.D.]
- materials engineering
- materials science

**Mathematics**

MATHEMATICS [Ph.D.]
- mathematics

**Mechanical Engineering**

MECHANICAL ENGINEERING [M.Eng., M.S., Ph.D.]
- biomedical mechanics
- dynamics and control
- energy and sustainability
- fluid dynamics
- micro- and nanoscale engineering
- solid mechanics and materials
- thermal science

**Medieval Studies**

MEDIEVAL STUDIES [Ph.D.]
- medieval archaeology
- medieval art
- medieval history
- medieval literature
- medieval music
- medieval philology and linguistics
- medieval philosophy

**Microbiology**

MICROBIOLOGY [Ph.D.]
- microbiology

**Music**

MUSIC [D.M.A.]
- composition
- performance practice
- theory of music

**Neurobiology and Behavior**

BEHAVIORAL BIOLOGY [Ph.D.]
- behavioral ecology
- chemical ecology
- ethology
- neuroethology
- sociobiology

**Neurobiology**

NEUROBIOLOGY [Ph.D.]
- cellular and molecular neurobiology
- neuroanatomy
- neurochemistry
- neuropharmacology
- neurophysiology
- sensory physiology

**Natural Resources and the Environment**

AGRICULTURE AND LIFE SCIENCES (Natural Resources) [M.P.S.]
- applied ecology
- community-based natural resources management
- conservation biology
- fishery and aquatic science
- policy and institutional analysis
- program development and evaluation
- quantitative ecology

**Near Eastern Studies**

NEAR EASTERN STUDIES [Ph.D.]
- near eastern studies

**Nutrition**

NUTRITION [M.S., Ph.D.]
- community nutrition
- human nutrition
- international nutrition
- molecular nutrition

**Operations Research and Information Engineering**

OPERATIONS RESEARCH [Ph.D.]
- applied probability and statistics
- manufacturing systems engineering
- mathematical programming

OPERATIONS RESEARCH AND INFORMATION ENGINEERING [M.Eng. (NYC option)]
- applied operations research
- data analytics
• financial engineering
• information technology
• manufacturing and industrial engineering
• strategic operations

### 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**
- philosophy

### Physics

**PHYSICS**
- experimental physics
- physics
- theoretical physics

### Plant Biology

**PLANT BIOLOGY**
- 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

**PLANT BREEDING**
- plant breeding
- plant genetics

### Plant Pathology and Plant-Microbe Biology

**PLANT PATHOLOGY**
- fungal and oomycete biology
- plant pathology
- plant-microbe biology

### Policy Analysis and Management

**EXECUTIVE HEALTH ADMINISTRATION**
- health administration

**HEALTH ADMINISTRATION**
- health administration

**POLICY ANALYSIS AND MANAGEMENT**
- public policy

### Psychology

**PSYCHOLOGY**
- behavioral and evolutionary neuroscience
- perception, cognition, and development
- social and personality psychology

### Public Affairs

**EXECUTIVE PUBLIC ADMINISTRATION**
- public administration

**PUBLIC ADMINISTRATION**
- 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
- public health and planetary health

### Public Health and Planetary Health

**PUBLIC HEALTH**
- food systems and health
- infectious disease epidemiology

### Real Estate

**REAL ESTATE**
- real estate

### Regional Science

**REGIONAL SCIENCE**
- environmental studies
- international spatial problems
- location theory
- multiregional economic analysis
- peace science
- planning methods
- urban and regional economics

### Romance Studies

**ROMANCE STUDIES**
- French literature
- French studies
- Hispanic literature
- Hispanic studies
- Italian literature
- Italian studies

### Science and Technology Studies

**SCIENCE AND TECHNOLOGY STUDIES**
- history and philosophy of science and technology
- social studies of science and technology

### Sociology

**SOCIOLGY**
- 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

**SOIL AND CROP SCIENCES**
- agronomy
- environmental information science
- field crop science
- soil science

### Statistics

**APPLIED STATISTICS**
- applied statistics

**STATISTICS**
- biometry
- decision theory
- econometrics
- engineering statistics
- experimental design
- mathematical statistics
- probability
- sampling

### Stem Cell Biology

**STEM CELL BIOLOGY**
- stem cell biology

### Sustainable Energy

**SUSTAINABLE ENERGY**
- sustainable energy

### Systems Engineering

**SYSTEMS**
- systems engineering
- systems engineering

**SYSTEMS ENGINEERING**
- systems engineering

### Theoretical and Applied Mechanics

**ENGINEERING MECHANICS**
- advanced composites and structures

**THEORETICAL AND APPLIED MECHANICS**
- dynamics and space mechanics
- fluid mechanics
- mechanics of materials
- solid mechanics

### Urban Studies

**URBAN STUDIES**
- urban studies

### Water Resources

**WATER RESOURCES**
- water resources