This list is a guide for students to use in the selection of their graduate program. A student selects a major subject and an area of concentration from among those listed under the field to which he or she was admitted. Minor subjects and concentrations may be chosen from the same field or other fields; however, fields of Special Committees may place restrictions on the choice of minor subjects. Degrees are listed beside the subjects to which they apply. Below are the explanations of typefaces and asterisks.

FIELD (All capitals, bold face)
Subject (initial capitals, bold face)
concentration (all lower case, not bold face)
Minor field, subject or concentration (italics)

*Concentrations marked with an asterisk are open only to students in other fields

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

**AFRICANA STUDIES**
Africana Studies [Ph.D.]
Cultural, Literary, and Visual Analysis
Historical, Political, and Social Analysis
Africana studies

**AMERICAN STUDIES**
American Studies
American Indian and Indigenous Studies

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

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

**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.]
Archaeology of Europe, the Caucasus, & Eurasia
Latin American & Caribbean archaeology
Mediterranean & Near Eastern archaeology
North American archaeology
South & East Asian archaeology
archaeological science
economy & exchange
identity
intercultural engagement
landscape & environment
materiality
museums and heritage
politics & complexity

**ARCHITECTURE**
Architectural Science [M.S.]
computer graphics
building technology and environmental science

**ART**
Creative Visual Arts [M.F.A.]
painting
photography
printmaking
sculpture
studio art

**ASIAN STUDIES**
Asian Studies [M.A.]
East Asian studies
South Asian studies
Southeast Asian studies
East Asian linguistics
South Asian linguistics
Southeast Asian linguistics

**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 [Ph.D.]
astrobiology
astrophysics
cosmology
infrared astronomy
planetary studies
radio astronomy
radiophysics
space sciences [general]
theoretical astrophysics

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

BIOCHEMISTRY, MOLECULAR & CELL BIOLOGY
Biochemistry [Ph.D.]
biochemistry
Molecular and Cell Biology [Ph.D.]
cell biology
molecular biology

BIOLOGICAL AND ENVIRONMENTAL ENGINEERING
Biological and Environmental Engineering [M.S., M.S./Ph.D., Ph.D., M.Eng.]
bioenergy and integrated energy systems
bioenvironmental engineering
biological engineering
bioprocess engineering
ecohydrology
environmental engineering
food engineering
industrial biotechnology
nanobiotechnology
sustainable systems
synthetic biology
Agriculture and Life Sciences [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

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

CHEMISTRY AND CHEMICAL BIOLOGY
Chemistry and Chemical Biology [Ph.D.]
analytical chemistry
bio-organic chemistry
biophysical chemistry
chemical biology
chemical physics
inorganic chemistry
materials chemistry
organic chemistry
organometallic chemistry
physical chemistry
polymer chemistry
theoretical chemistry

CITY AND REGIONAL PLANNING
City and Regional Planning [Ph.D., M.R.P., MRP/MLA dual degree, MRP/MPS (Real Estate) dual degree]
city and regional planning
economic development planning:
communities and regions
international studies in planning
land use and environmental planning
Historic Preservation Planning [M.A.]
historic preservation planning

CIVIL AND ENVIRONMENTAL ENGINEERING
Civil and Environmental Engineering [M.S., M.S./Ph.D., Ph.D., M.Eng.]
environmental and water resources systems
engineering
environmental fluid mechanics and hydrology
environmental processes
geotechnical engineering
remote sensing
structural engineering
transportation systems engineering
structural mechanics
Engineering Management [M.Eng.]
ingineering management

CLASSICS
Classics [Ph.D.]
animal history
ancient history
ancient philosophy
classical archaeology
classical literature and philology
Greek and Latin language and linguistics
medieval and Renaissance Latin literature
classical myth
classical rhetoric
Indo-European linguistics

COGNITIVE SCIENCE
Cognitive Studies
cognitive studies

COMMUNICATION
Communication [Ph.D.]
communication
human-computer interaction
language and communication
media communication and society
organizational communication
science, environment and health
communication
social psychology communication

COMPARATIVE BIOMEDICAL SCIENCES
Veterinary Medicine [Ph.D.]
cellular and molecular medicine
developmental and reproductive biology
infectious diseases
population medicine and epidemiology
structural and functional biology
Public Health [M.P.H.]
Infectious disease epidemiology
food systems for global health

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

COMPUTER SCIENCE
Computer Science [Ph.D., M.S., M.Eng.]
artificial intelligence
computer science
programming languages and logics
scientific computing and applications
systems
theory of computation
Information Systems [M.S.]
connective media
healthier life

CONSERVATION AND SUSTAINABLE DEVELOPMENT
Conservation and Sustainable Development

DEMOGRAPHY
Demography
demography

DESIGN AND ENVIRONMENTAL ANALYSIS
Design [M.A.]
interior design
sustainable design studies
Human Behavior and Design [Ph.D.]
human behavior and design
Human-Environment Relations [M.S.]
environmental psychology
facilities planning and management
human factors and ergonomics
sustainable design studies

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

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
Evolutionary Biology [M.S., Ph.D.]
ecological genetics
palaeobiology
population biology
systematics

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

ELECTRICAL AND COMPUTER ENGINEERING
Electrical and Computer Engineering [Ph.D., M.Eng.]
computer engineering
electrical engineering
electrical systems
electrophysics

ENGLISH LANGUAGE AND LITERATURE
Creative Writing [M.F.A.]
creative writing (M.F.A. only)
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
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
general entomology

ENVIRONMENTAL QUALITY
Environmental Quality
environmental quality

ENVIRONMENTAL TOXICOLOGY
Environmental Toxicology [M.S., Ph.D.]
cellular and molecular toxicology
ecotoxicology and environmental chemistry
nutritional and food toxicology
risk assessment, management, and public policy

EPIDEMIOLOGY
Epidemiology
human and animal epidemiology

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

FIBER SCIENCE AND APPAREL DESIGN
Apparel Design [M.A., Ph.D.]
appearance design
Fiber Science [M.S., Ph.D.]
fiber science
polymer science
textile science
Human Ecology [M.P.S.]
appearance design
fiber science

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

FOOD SCIENCE AND TECHNOLOGY
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
Agriculture and Life Sciences [M.P.S.]
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

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

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

Old Norse

GLOBAL DEVELOPMENT
Agriculture and Life Sciences [M.P.S.]
international agriculture and rural development

International Development [M.P.S.(I.D.)]
development policy
international nutrition
international planning
international population
science and technology policy

GOVERNMENT
Government [Ph.D.]
American politics
comparative politics
international relations
political thought

political methodology
public policy

HISTORY
History [Ph.D.]
African history
American history
ancient Greek history
ancient history
ancient Roman history
early modern European history
English history
French history
German history
discipline 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

American studies

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

HOTEL ADMINISTRATION
Hospitality Management [M.M.H. M.S., Ph.D.]
financial management
food and beverage management
hospitality management
hotel accounting
human resource management
marketing

properties asset management
real estate management

HUMAN DEVELOPMENT
Developmental Psychology [M.A., Ph.D., Ph.D./JD dual degree]
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

IMMUNOLOGY AND INFECTIOUS DISEASE
Immunology [Ph.D.]
cellular immunology
immunochemistry
immunogenetics
immunopathology
infection and immunity

INDUSTRIAL AND LABOR RELATIONS
Industrial and Labor Relations [M.S., M.S./Ph.D., M.I.L.R., M.P.S.(I.L.R.), MILR/MBA dual degree]
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 market policy (M.I.L.R. only)
labor relations, law, and history (M.S./Ph.D. only)
organizational behavior (M.S./Ph.D. only)
labor economics
social statistics

Human Resources [M.P.S.]
human resource management
labor relations, economics, and organizational behavior

INFORMATION SCIENCE
Information Science [Ph.D., M.P.S.]
cognition
human computer interaction
information science
information systems
social aspects of information
Information Systems [M.S.]
connective media
healthier life

LANDSCAPE ARCHITECTURE
Landscape Architecture [M.L.A., M.P.S., MLA/MRP dual degree]
landscape architecture

LATIN AMERICAN STUDIES
Latin American Studies
Latin American studies

LATINO STUDIES
Latino Studies
Latino studies

LAW
Law [J.S.D.]

LESBIAN, GAY, BISEXUAL AND TRANSGENDER STUDIES
Lesbian, Gay, Bisexual and Transgender Studies
lesbian, gay, bisexual and transgender studies

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

MANAGEMENT
Management [Ph.D. M.P.S.]
accounting
finance
marketing
organizational behavior
production and operations
managerial economics
trepreneurship

MATERIALS SCIENCE AND ENGINEERING
Materials Science and Engineering [M.S.,

Ph.D., M.Eng.] materials engineering
materials science

MATHEMATICS
Mathematics [Ph.D.]
mathematics

MECHANICAL ENGINEERING
Mechanical Engineering [Ph.D., M.S.,
M.Eng.] 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

MOLECULAR AND INTEGRATIVE PHYSIOLOGY
Physiology [Ph.D.]
behavioral physiology
cardiovascular and respiratory physiology
endocrinology
environmental and comparative physiology
gastrointestinal and metabolic physiology
membrane and epithelial physiology
molecular and cellular physiology
neural and sensory physiology
physiological genomics
reproductive physiology

MUSIC
Music [D.M.A.]
composition
performance practice

Musicology [Ph.D.]
musicology
Music Performance
music performance
Musical Composition
musical composition
Theory of Music
theory of music

NATURAL RESOURCES
Natural Resources [M.S., M.S./Ph.D., Ph.D.]
applied ecology

community-based natural resources
conservation biology
ecosystem biology and biogeochemistry
fishery and aquatic science
forest science
human dimensions of natural resources
management
policy and institutional analysis
program development and evaluation
quantitative ecology
risk analysis and management
wildlife science

Agriculture and Life Sciences [M.P.S.]
applied ecology
community-based natural resources
management
conservation biology
ecosystem biology and biogeochemistry
fishery and aquatic science
forest science
human dimensions of natural resources
management
policy and institutional analysis
program development and evaluation
quantitative ecology
risk analysis and management
wildlife science

NEAR EASTERN STUDIES
Near Eastern Studies [Ph.D.]
near eastern studies

NEUROBIOLOGY AND BEHAVIOR
Behavioral Biology [Ph.D.]
behavioral ecology
chemical ecology
ethology
neuroethology
sociobiology

Neurobiology [Ph.D.]
cellular and molecular neurobiology
neuroanatomy
neurochemistry
neuropharmacology
neuropsychology
sensory physiology

NUTRITION
Nutrition [Ph.D.]
animal nutrition
community nutrition
human nutrition
international nutrition
molecular nutrition

Human Ecology [M.P.S.]
animal nutrition
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.]
  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

PHARMACOLOGY
Pharmacology [Ph.D.]
  pharmacology

PHILOSOPHY
Philosophy [Ph.D., Ph.D./JD dual degree]
  philosophy

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

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

PLANT BREEDING
Plant Breeding [M.S., M.S./Ph.D., Ph.D.]
  plant breeding
  plant genetics
Agriculture and Life Sciences [M.P.S.]
  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
Agriculture and Life Sciences [M.P.S.]
  fungal and oomycete biology
  plant pathology
  plant-microbe biology

POLICY ANALYSIS AND MANAGEMENT
  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.P.A., M.P.A./M.H.A dual degree]
  environmental policy
  economic and financial 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./R.E., MPS/MBA dual degree]
  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
  Hispanic studies
  Italian literature
  Italian studies

SCIENCE AND TECHNOLOGY STUDIES
Science and Technology Studies [Ph.D.]
  history and philosophy of science and technology

SOCIOLOGY
Sociology [M.A., Ph.D.]
  economy and society
  gender and life course organizations
  political sociology/social movements
  racial and ethnic relations
  social networks
  social psychology
  social stratification
  methodology
  policy analysis

SOIL AND CROP SCIENCES
Soil and Crop Sciences [M.S., Ph.D.]
  agronomy
  environmental information science
  field crop science
  soil science
Agriculture and Life Sciences [M.P.S.]
  agronomy
  environmental information science
  environmental management
  field crop science
  soil science

STATISTICS
Applied Statistics [M.P.S.(A.S.)]
  applied statistics
Statistics [Ph.D.]
  biometry
  decision theory
  econometrics
  engineering statistics
  experimental design
  mathematical statistics
  probability
  sampling
  social statistics
  statistical computing
  stochastic processes

SUSTAINABLE ENERGY
Sustainable energy
  sustainable energy

SYSTEMS ENGINEERING
Systems Engineering [M.Eng.]
  systems engineering
Systems [Ph.D.]
  systems engineering

THEATRE ARTS
Theatre Arts [Ph.D.]
  drama and the theatre
  theatre history
  theatre theory and aesthetics
  theatre practice (acting or directing)
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

ZOOLOGY AND WILDLIFE CONSERVATION
Zoology [Ph.D.]
- animal cytology
- comparative and functional anatomy
- developmental biology
- ecology
- histology
- wildlife conservation