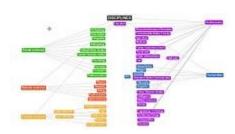
WikipediA

List of academic fields

The following <u>outline</u> is provided as an overview of and topical guide to academic disciplines:

An **academic discipline** or **field of study** is a branch of knowledge that is <u>taught</u> and <u>researched</u> as part of <u>higher education</u>. A scholar's discipline is commonly defined and recognized by the <u>university faculties</u> and <u>learned societies</u> to which he or she belongs and the <u>academic journals</u> in which he or she publishes <u>research</u>. However, no formal criteria exist for defining an academic discipline.



Mind map of top level disciplines and professions

Disciplines vary between well-established ones that exist in almost all universities and have well-defined rosters of journals and conferences and nascent ones supported by only a few universities and publications. A discipline may have branches, and these are often called sub-disciplines.

There is no consensus on how some academic disciplines should be classified (e.g., whether <u>anthropology</u> and <u>linguistics</u> are disciplines of <u>social sciences</u> or fields within the <u>humanities</u>). More generally, the proper criteria for organizing knowledge into disciplines are also open to debate.

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Education

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Environmental studies and forestry

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Human physical performance and recreation

Journalism, media studies and communication

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Library and museum studies

Medicine

Military sciences

Public administration

Public policy

Social work

Transportation

See also

Notes

References

External links

Historical background

<u>History of academic disciplines</u> – academic disciplines arose from learning institutions as those grew to include specialized faculties or departments

- Faculty
- Academic department

Humanities

Anthropology

- Anthropological criminology
- Anthropological linguistics
 - Synchronic linguistics (or Descriptive linguistics)
 - Diachronic linguistics (or Historical linguistics)
 - Ethnolinguistics
 - Sociolinguistics
- Biological anthropology
 - Forensic anthropology
 - Gene-culture coevolution
 - Human behavioral ecology
 - Human evolution
 - Medical anthropology
 - Paleoanthropology
 - Population genetics
 - Primatology
- Cultural anthropology
 - Anthropology of religion
 - Economic anthropology
 - Ethnography
 - Ethnohistory
 - Ethnology
 - Ethnomusicology
 - Folklore
 - Mythology
 - Missiology
 - Political anthropology

- Psychological anthropology
- Linguistic anthropology
- Social anthropology

Archaeology

- Classical archaeology
- Egyptology
- Architectural analytics
- Experimental archaeology
- Maritime archaeology
- Near Eastern archaeology
- Paleoanthropology
- Prehistoric archaeology

History

- African history
- American history
- Ancient history
- Australian history
- Asian history
 - Chinese history
 - Indian history (outline)
 - Iranian history
 - Indonesian history
- European history
- Economic history
- Environmental history
- Linguistics and languages
 - Classics (outline)
 - Languages
 - Business English
 - Classical language
 - Modern language

- Ancient Greek history (outline)
- Intellectual history
- Latin American history
- Modern history
- Political history
- Pre-Columbian era
- Ancient Roman history (outline)
- Russian history
- Scientific history
- Technological history
- World history

- Standard English
- World Englishes
- Applied linguistics
- Computational linguistics
- Discourse analysis
- English studies
- Etymology
- Grammar
- Historical linguistics
- History of linguistics
- Interlinguistics
- Lexicology
- Linguistic typology
- Morphology
- Natural language processing
- Philology
- Phonetics
- Phonology
- Pragmatics
- Psycholinguistics
- Semantics
- Semiotics (outline)
- Sociolinguistics
- Syntax
- Composition studies
- Rhetoric
- Usage
- Word usage

Philosophy

- Meta-philosophy
- Metaphysics (outline)
 - Ontology
 - Teleology
 - Philosophy of mind

- Philosophy of artificial intelligence
- Philosophy of perception
- Philosophy of pain
- Philosophy of space and time
- Philosophy of Action
- Theism and Atheism
- Determinism and Free will
- Epistemology (outline)
 - Justification
 - Reasoning errors
- Ethics (outline)
 - Meta-ethics
 - Normative ethics
 - Virtue ethics
 - Applied ethics
 - Animal rights
 - Bioethics
 - Environmental ethics
 - Moral psychology, Descriptive ethics, Value theory
- Aesthetics (outline) / Philosophy of Art
- Social philosophy and political philosophy
 - Anarchism (outline)
 - Feminist philosophy
 - Libertarianism (outline)
 - Marxism
- Philosophical traditions and schools
 - Platonism
 - Aristotelianism
 - Analytic philosophy
 - Continental philosophy
 - Eastern philosophy
 - Feminist philosophy
- History of philosophy

- Ancient philosophy
- Medieval philosophy
 - Scholasticism
 - Humanism (outline)
- Modern philosophy
- Contemporary philosophy
- Logic (outline)
 - Philosophical logic
 - Mathematical logic
- Applied philosophy
 - Philosophy of education
 - Philosophy of history
 - Philosophy of religion
 - Philosophy of language
 - Philosophy of law
 - Philosophy of mathematics
 - Philosophy of music
 - Philosophy of science
 - Philosophy of social science
 - Philosophy of physics
 - Philosophy of biology
 - Philosophy of chemistry
 - Philosophy of economics
 - Philosophy of psychology
 - Philosophy of engineering
 - Systems philosophy

Religion

- Abrahamic religions
 - Christianity (outline)
 - Christian theology (outline)
 - <u>Islam</u> (outline)/ <u>Islamic studies</u>
 - Judaism (outline)/ Jewish studies
- Other religions
 - African religions
 - Ancient Egyptian religion
 - Native American religions
 - Gnosticism

- Indian religions
 - Buddhism (outline)/ Buddhist studies
 - Hinduism (outline)
 - Jainism
 - Sikhism (outline)
- East Asian religions
 - Chinese folk religion
 - Confucianism
 - Shinto
 - Daoism (outline)
 - I-Kuan Tao
 - Caodaism
 - Chondogyo
 - Tenrikyo
 - Oomoto
- The arts

Literature

- Poetry
- Comparative literature
- English literature
- World literature
 - American literature
 - British literature
- History of literature
 - Medieval literature
 - Post-colonial literature
 - Post-modern literature
- Literary theory
 - Critical theory (outline)
 - Literary criticism
 - Poetics
 - Rhetoric

- Esotericism
- New religious movements
- Sumerian religion
- Zoroastrianism
- Comparative religion
- Mythology and Folklore
- Irreligion
 - Agnosticism
 - Atheism (outline) and religious humanism

- Creative writing
 - Creative nonfiction
 - Fiction writing (outline)
 - Non-fiction writing
 - Literary journalism
 - Poetry composition
 - Screenwriting
 - Playwrighting

Performing arts

- Music (outline)
 - Accompanying
 - Chamber music
 - Church music
 - Musical composition
 - Conducting
 - Choral conducting
 - Orchestral conducting
 - Wind ensemble conducting
 - Early music
 - Jazz studies (outline)
 - Music education
 - Music history
 - Music theory
 - Musicology
 - Historical musicology
 - Systematic musicology
 - Ethnomusicology
 - Organology
 - Organ and historical keyboards
 - Piano
 - Strings, harp, oud, and guitar (outline)
 - Singing

- Dance (outline)
 - Choreography
 - Dance notation
 - Ethnochoreology
 - History of dance
- Television (outline)
 - Television studies
- Theatre (outline)
 - History
 - Acting
 - Directing
 - Stage design
 - Puppetry
 - Dramaturgy
 - Playwrighting
 - Scenography
 - Musical theatre
- Film (outline)
 - Animation
 - Live action
 - Filmmaking
 - Film criticism
 - Film theory
- Oral literature

- Woodwinds, brass, and percussion
- Recording
- Orchestral studies

- Public speaking
- Performance poetry
- Spoken word
- Storytelling

Visual arts

- Fine arts
- Graphic arts
 - Drawing (outline)
 - Painting (outline)
 - Photography (outline)
- Sculpture (outline)

Social sciences

Economics

- Agricultural economics
- Anarchist economics
- Applied economics
- Behavioural economics
- Bioeconomics
- Complexity economics
- Computational economics
- Consumer economics
- Development economics
- Ecological economics
- Econometrics
- Economic geography
- Economic history
- Economic sociology
- Economic systems
- Energy economics
- Entrepreneurial economics
- Environmental economics

- Industrial organization
- Information economics
- Institutional economics
- International economics
- Islamic economics
- Labor economics
- Law and economics
- Macroeconomics
- Managerial economics
- Marxian economics
- Mathematical economics
- Microeconomics
- Monetary economics
- Neuroeconomics
- Participatory economics
- Political economy
- Public finance
- Public economics

- Evolutionary economics
- Experimental economics
- Feminist economics
- Financial economics
- Financial econometrics
- Green economics
- Growth economics
- Human development theory

- Real estate economics
- Resource economics
- Social choice theory
- Socialist economics
- Socioeconomics
- Transport economics
- Welfare economics

Geography

- Cartography (outline)
- Human geography
 - Cultural geography
 - Feminist geography
 - Economic geography
 - Development geography
 - Historical geography
 - Time geography
 - Political geography & geopolitics
 - Military geography
 - Strategic geography
 - Population geography
 - Social geography
 - Behavioral geography
 - Children's geographies
 - Health geography
 - Tourism geography
 - Urban geography

- Environmental geography
- Physical geography
 - Biogeography
 - Climatology
 - Palaeoclimatology
 - Coastal geography
 - Geomorphology
 - Geodesy
 - Hydrology/Hydrography
 - Glaciology
 - Limnology
 - Oceanography
 - Landscape ecology
 - Palaeogeography
- Regional geography
- Remote sensing

Interdisciplinary studies

Area studies

- African studies
- American studies
 - Appalachian studies
 - Canadian studies
 - Latin American studies
- Asian studies
 - Central Asian studies
 - East Asian studies
 - Indology (Indian studies)
 - Iranian studies
 - Japanology (Japanese studies)
 - Korean studies
 - Pakistan studies
 - Sindhology
 - Sinology (outline) (Chinese studies)
 - Southeast Asian studies
- European studies
 - Celtic studies
 - German studies
 - Scandinavian studies
 - Slavic studies
- Australian studies
- Middle East studies
- Russian and Eastern European studies

Ethnic and cultural studies

- Cultural studies
- Ethnic studies
- Ethnology
- Culturology
- Cross-cultural studies
- White studies
- Black studies

Gender and sexuality studies

- Feminine psychology
- Gender studies/Gender theory
- Heterosexism

- Men's studies
- Queer studies/Queer theory
- Sex education

- Human sexual behavior
- Human sexuality (outline)
- Masculine psychology

- Sexology
- Women's studies

Organizational studies

- Business economics
- Business ethics
- Decision science
- Entrepreneurship
- Human resources management
- Industrial organization
- Organizational behavior
- Organization theory
- Strategy

Political science

- American politics
- Canadian politics
- Civics
- Comparative politics
- European studies
- Geopolitics (Political geography)
- International relations
- International organizations
- Nationalism studies
- Peace and conflict studies
- Policy studies
- Political behavior
- Political culture
- Political economy
- Political history
- Political philosophy
- Psephology
- Public administration
 - Nonprofit administration
 - Non-governmental organization (NGO) administration

- Public policy
- Social choice theory

Psychology

- Abnormal psychology
- Applied psychology
- Asian psychology
- Biological psychology
- Black psychology
- Clinical psychology
- Clinical neuropsychology
- Cognitive psychology
- Community psychology
- Comparative psychology
- Conservation psychology
- Consumer psychology
- Counseling psychology
- Criminal psychology
- Cultural psychology
- Developmental psychology
- Differential psychology
- Ecological psychology
- Educational psychology
- Environmental psychology
- Evolutionary psychology
- Experimental psychology
- Group psychology
- Family psychology
- Feminine psychology
- Forensic psychology
- Forensic developmental psychology
- Health psychology
- Humanistic psychology
- Indigenous psychology

- Legal psychology
- Masculine psychology
- Mathematical psychology
- Media psychology
- Medical psychology
- Military psychology
- Moral psychology and Descriptive ethics
- Music psychology
- Neuropsychology
- Occupational psychology
- Occupational health psychology
- Organizational psychology
- Parapsychology (outline)
- Pediatric psychology
- Pedology (children study)
- Personality psychology
- Phenomenology
- Political psychology
- Positive psychology
- Psychoanalysis
- Psychobiology
- Psychometrics
- Psychology of religion
- Psychopathology
 - Child psychopathology
- Psychophysics
- Quantitative psychology
- Rehabilitation psychology
- School psychology
- Social psychology

- Sport psychology
- Traffic psychology
- Transpersonal psychology
- Travel psychology

Sociology

- Analytical sociology
- Applied sociology
 - Political sociology
 - Public sociology
 - Social engineering
 - Leisure studies
- Architectural sociology
- Behavioral sociology
- Chinese sociology
- Collective behavior
 - Social movements
- Community informatics
 - Social network analysis
- Comparative sociology
- Conflict theory
- Critical sociology
- Cultural sociology
- Cultural studies
- Criminology/Criminal justice (outline)
- Critical management studies
- Demography/Population
- Digital sociology
- Dramaturgical sociology
- Economic sociology
- Educational sociology
- Empirical sociology
- Environmental sociology
- Evolutionary sociology

- Sociology of aging
- Sociology of agriculture
- Sociology of art
- Societal of autism
- Sociology of childhood
- Sociology of conflict
- Sociology of culture
- Sociology of cyberspace
- Sociology of deviance
- Sociology of development
- Sociology of disaster
- Sociology of education
- Sociology of emotions
- Sociology of fatherhood
- Sociology of film
- Sociology of finance
- Sociology of food
- Sociology of gender
- Sociology of generations
- Sociology of globalization
- Sociology of government
- Sociology of health and illness
- Sociology of human consciousness
- Sociology of immigration
- Sociology of knowledge
- Sociology of language
- Sociology of law
- Sociology of leisure
- Sociology of literature

- Feminist sociology
- Figurational sociology
- Futures studies (outline)
- Historical sociology
- Human ecology
- Humanistic sociology
- Industrial sociology
- Interactionism
- Internet sociology
- Interpretive sociology
 - Phenomenology
 - Ethnomethodology
 - Symbolic interactionism
 - Social constructionism
- Jealousy sociology
- Macrosociology
- Marxist sociology
- Mathematical sociology
- Medical sociology
- Mesosociology
- Microsociology
- Military sociology
- Natural resource sociology
- Organizational studies
- Phenomenological sociology
- Policy sociology
- Polish sociology
- Psychoanalytic sociology
- Science studies/Science and technology studies
- Sexology
- Social capital
- Social change
- Social conflict theory
- Social control

- Sociology of markets
- Sociology of marriage
- Sociology of motherhood
- Sociology of music
- Sociology of natural resources
- Sociology of organizations
- Sociology of peace, war, and social conflict
- Sociology of punishment
- Sociology of race and ethnic relations
- Sociology of religion
- Sociology of risk
- Sociology of science
- Sociology of scientific knowledge
- Sociology of social change
- Sociology of social movements
- Sociology of space
- Sociology of sport
- Sociology of technology
- Sociology of terrorism
- Sociology of the body
- Sociology of the family
- Sociology of the history of science
- Sociology of the Internet
- Sociology of work
- Social theory
- Social stratification
- Sociological theory
- Sociobiology
- Sociocybernetics
- Sociolinguistics
- Sociomusicology
- Structural sociology
- Theoretical sociology
- Urban studies or Urban sociology/Rural sociology

- Pure sociology
- Social economy
- Social philosophy
- Social psychology
- Social policy
- Social research
- Social transformation
 - Computational sociology
 - Economic sociology/Socioeconomics
 - Economic development
 - Social development

- Victimology
- Visual sociology

Natural sciences

Biology

- Aerobiology
- Anatomy
 - Comparative anatomy
 - Human anatomy (outline)
- Biochemistry (outline)
- Bioinformatics
- Biophysics (outline)
- Biotechnology (outline)
- Botany (outline)
 - Ethnobotany
 - Phycology
- Cell biology (outline)
- Chronobiology
- Computational biology
- Cryobiology
- Developmental biology
 - Embryology

- Neuroscience (outline)
 - Behavioral neuroscience
- Nutrition (outline)
- Paleobiology
 - Paleontology
- Parasitology
- Pathology
 - Anatomical pathology
 - Clinical pathology
 - Dermatopathology
 - Forensic pathology
 - Hematopathology
 - Histopathology
 - Molecular pathology
 - Surgical pathology
- Physiology
 - Human physiology

- Teratology
- Ecology (outline)
 - Agroecology
 - Ethnoecology
 - Human ecology
 - Landscape ecology
- Genetics (outline)
 - Behavioural genetics
 - Molecular genetics
 - Population genetics
- Endocrinology
- Evolutionary biology
- Histology
- Human biology
- Immunology (outline)
- Limnology
- Linnaean taxonomy
- Marine biology
- Mathematical biology
- Microbiology
- Molecular biology
- Mycology

- Exercise physiology
- Structural Biology
- Systematics (Taxonomy)
- Systems biology
- Virology
 - Molecular virology
- Xenobiology
- Zoology (outline)
 - Animal communications
 - Apiology
 - Arachnology
 - Carcinology
 - Cetology
 - Entomology
 - Forensic entomology
 - Ethnozoology
 - Ethology
 - Helminthology
 - Herpetology
 - Ichthyology (outline)
 - Mammalogy
 - Malacology
 - Conchology
 - Myrmecology (outline)
 - Nematology
 - Neuroethology
 - Oology
 - Ornithology (outline)
 - Planktology
 - Primatology
 - Zootomy
 - Zoosemiotics

See also Branches of chemistry

- Agrochemistry
- Analytical chemistry
- Astrochemistry
- Atmospheric chemistry
- Biochemistry (outline)
- Chemical engineering (outline)
- Chemical biology
- Cheminformatics
- Computational chemistry
- Cosmochemistry
- Electrochemistry
- Environmental chemistry
- Femtochemistry
- Flavor
- Flow chemistry
- Geochemistry
- Green chemistry
- Histochemistry
- Hydrogenation
- Immunochemistry
- Inorganic chemistry
- Marine chemistry
- Mathematical chemistry
- Mechanochemistry

- Medicinal chemistry
- Molecular biology
- Molecular mechanics
- Nanotechnology
- Natural product chemistry
- Neurochemistry
- Oenology
- Organic chemistry (outline)
- Organometallic chemistry
- Petrochemistry
- Pharmacology
- Photochemistry
- Physical chemistry
- Physical organic chemistry
- Phytochemistry
- Polymer chemistry
- Quantum chemistry
- Radiochemistry
- Solid-state chemistry
- Sonochemistry
- Supramolecular chemistry
- Surface chemistry
- Synthetic chemistry
- Theoretical chemistry
- Thermochemistry

Earth sciences

See also Branches of earth sciences

- Edaphology
- Environmental science
- Environmental chemistry
- Gemology

- Meteorology (outline)
- Mineralogy
- Oceanography
- Pedology

- Geodesy
- Geography (outline)
- Geology (outline)
- Geochemistry
- Geomorphology
- Geophysics (outline)
- Glaciology
- Hydrogeology
- Hydrology (outline)

- Paleontology
 - Paleobiology
 - Paleoecology
- Petrology
- Planetary science (alternatively, a part of space science)
- Sedimentology
- Soil science
- Speleology
- Tectonics
- Volcanology

Physics

- Acoustics
- Applied physics
- Astrophysics
- Atomic, molecular, and optical physics
- Biophysics (outline)
- Computational physics
- Condensed matter physics
- Cryogenics
- Electromagnetism
- Elementary particle physics
- Experimental physics
- Fluid dynamics
- Geophysics (outline)
- Mathematical physics
- Medical physics
- Mechanics
- Molecular physics
- Newtonian dynamics
- Nuclear physics
- Optics
- Plasma physics
- Quantum physics

- Solid mechanics
- Solid state physics
- Statistical mechanics
- Theoretical physics
- Thermodynamics
- Vehicle dynamics

Space sciences

- Astrobiology
- Astronomy (outline)
 - Observational astronomy
 - Radio astronomy
 - Microwave astronomy
 - Infrared astronomy
 - Optical astronomy
 - UV astronomy
 - X-ray astronomy
 - Gamma ray astronomy
- Astrophysics
 - Gravitational astronomy
 - Black holes

- - Numerical simulations

Interstellar medium

- Astrophysical plasma
- Galaxy formation and evolution
- High-energy astrophysics
- Hydrodynamics
- Magnetohydrodynamics
- Star formation
- Physical cosmology
- Stellar astrophysics
 - Helioseismology
 - Stellar evolution
 - Stellar nucleosynthesis
- Planetary science (alternatively, a part of earth science)

Formal sciences

Computer sciences

Also a branch of electrical engineering

- Theory of computation
 - Automata theory (Formal languages)
 - Computability theory

- Information science (outline)
 - Data management
 - Data mining

- Computational complexity theory
- Concurrency theory
- VLSI design
- Operating systems
- Algorithms
 - Randomized algorithms
 - Distributed algorithms
 - Parallel algorithms
 - Computational geometry
- Data structures
- Computer architecture
- Computer communications (networks)
 - Information theory
 - Internet, World Wide Web
 - Wireless computing (Mobile computing)
 - Ubiquitous computing
 - Cloud computing
- Computer security and reliability
 - Cryptography
 - Fault-tolerant computing
- Distributed computing
 - Grid computing
- Parallel computing
 - High-performance computing
- Quantum computing
- Computer graphics
 - Image processing
 - Scientific visualization
- Software engineering
 - Formal methods (Formal verification)
- Programming languages

- Database (outline)
 - Relational database
 - Distributed database
 - Object database
- Information retrieval
- Information management
- Knowledge management
- Multimedia, hypermedia
 - Sound and music computing
- Artificial intelligence (outline)
 - Cognitive science
 - Automated reasoning
 - Machine learning
 - Artificial neural network
 - Support vector machine
 - Natural language processing (Computational linguistics)
 - Computer vision (outline)
 - Expert systems
 - Robotics (outline)
- Computing in mathematics, natural sciences, engineering, and medicine
 - Numerical analysis
 - Algebraic (symbolic) computation
 - Computational number theory
 - Computational mathematics
 - Scientific computing (Computational science)
 - Computational biology (bioinformatics)
 - Computational physics
 - Computational chemistry
 - Computational neuroscience
 - Computer-aided engineering

- Programming paradigms
 - Imperative programming
 - Object-oriented programming
 - Functional programming
 - Logic programming
 - Concurrent programming
- Program semantics
- Type theory
- Compilers
- Human-computer interaction

- Finite element analysis
- Computational fluid dynamics
- Computing in <u>social sciences</u>, <u>arts</u>, <u>humanities</u>, and <u>professions</u>
 - Computational economics
 - Computational sociology
 - Computational finance
 - <u>Digital humanities</u> (Humanities computing)
 - History of computer hardware
 - History of computer science (outline)
 - Humanistic informatics
 - Community informatics

Logic

- Mathematical logic
 - Set theory
 - Proof theory
 - Model theory
 - Recursion theory
 - Modal logic
 - Intuitionistic logic

- Philosophical logic
 - Logical reasoning
 - Modal logic
 - Deontic logic
 - Doxastic logic

- Logic in computer science
 - Programming language semantics
 - Formal methods (Formal verification)
 - Type theory
 - Logic programming
 - Multi-valued logic
 - Fuzzy logic

Mathematics

Pure mathematics

See also Branches of mathematics and AMS <u>Mathematics Subject Classification</u> (http://www.ams.org/msc/)

- Algebra (outline)
 - Group theory

- Geometry (outline) and Topology
 - General topology

- Group representation
- Ring theory
 - Commutative algebra
 - Noncommutative algebra
- Field theory
- Linear algebra (Vector space)
- Multilinear algebra
- Lie algebra
- Associative algebra
- Non-associative algebra
- Universal algebra
- Homological algebra
- Differential algebra
- Lattice theory (Order theory)
- Representation theory
- K-theory
- Category theory
 - Topos theory
- Analysis
 - Real analysis
 - Calculus (outline)
 - Complex analysis
 - Functional analysis
 - Operator theory
 - Non-standard analysis
 - Harmonic analysis
 - Fourier analysis
 - p-adic analysis
 - Ordinary differential equations
 - Partial differential equations
- Probability theory
 - Measure theory

- Algebraic topology
- Geometric topology
- Differential topology
- Algebraic geometry
- Projective geometry
- Affine geometry
- Non-Euclidean geometry
- Convex geometry
- Discrete geometry
- Integral geometry
- Finite geometry
- Galois geometry
- Noncommutative geometry
- Number theory
 - Analytic number theory
 - Algebraic number theory
 - Geometric number theory
 - Arithmetic combinatorics
- Logic and Foundations of mathematics
 - Set theory
 - Proof theory
 - Model theory
 - Recursion theory
 - Modal logic
 - Intuitionistic logic

- Integral geometry
- Ergodic theory
- Stochastic process

Applied mathematics

- Approximation theory
- Numerical analysis
- Operations research
 - Mathematical optimization
 - Linear programming
 - Dynamic programming
 - Assignment problem
 - Decision analysis
 - Inventory theory
 - Scheduling
 - Real options analysis
 - Systems analysis
 - Stochastic processes
 - Optimal maintenance

- Dynamical systems
 - Chaos theory
 - Fractal geometry
- Mathematical physics
 - Quantum mechanics
 - Quantum field theory
 - Quantum gravity
 - String theory
 - Statistical mechanics
- Theory of computation
 - Computational complexity theory
- Information theory
- Cryptography
- Combinatorics (outline)
 - Coding theory
- Graph theory
- Game theory

Statistics

- Mathematical statistics
- Econometrics
- Actuarial science
- Demography
- Computational statistics
 - Data mining
 - Regression (outline)
 - Simulation

- Statistical modelling
 - Biostatistics
 - Epidemiology
 - Multivariate analysis
 - Structural equation model
 - Time series
 - Reliability theory
 - Quality control

- Bootstrap (statistics)
- Design of experiments
 - Block design and Analysis of variance
 - Response surface methodology
- Sample Survey
 - Sampling theory

- Statistical theory
 - Decision theory
 - Mathematical statistics
 - Probability (outline)
 - Survey methodology

Systems science

- Network science
- Chaos theory
- Conceptual systems
- Complex systems
- Complex system
- Cybernetics
 - Biocybernetics
 - Engineering cybernetics
 - Management cybernetics
 - Medical cybernetics
 - New Cybernetics
 - Second-order cybernetics
 - Sociocybernetics
- Control theory
 - Affect control theory
 - Control engineering
 - Control systems
 - Dynamical systems
 - Perceptual control theory

- Operations research
- Systems biology
 - Computational systems biology
 - Synthetic biology
 - Systems immunology
 - Systems neuroscience
- System dynamics
 - Social dynamics
- Systems ecology
 - Ecosystem ecology
- Systems engineering
 - Biological systems engineering
 - Earth systems engineering and management
 - Enterprise systems engineering
 - Systems analysis
- Systems theory in anthropology

- Systems psychology
 - Ergonomics
 - Family systems theory
 - Systemic therapy
- Systems theory
 - Biochemical systems theory
 - Ecological systems theory
 - Developmental systems theory
 - General systems theory
 - Living systems theory
 - LTI system theory
 - Sociotechnical systems theory
 - Mathematical system theory
 - World-systems theory

Professions and applied sciences

Agriculture

- Agroecology
- Agronomy
- Animal husbandry (Animal science)
 - Beekeeping (Apiculture)
- Agrology
- Entomology
- Agricultural economics
- Agricultural engineering
 - Biological systems engineering
 - Food engineering

- Aquaculture
- Enology
- Food science
- Horticulture
- Hydrology (outline)
- Pedology (soil study)
- Plant science (outline)
 - Pomology
- Viticulture

Architecture and design

- Architecture (outline)
 - Interior architecture
 - Landscape architecture
- Architectural analytics
- Historic preservation
- Interior design (interior architecture)
- Landscape architecture (landscape planning)
- Landscape design
- Urban planning (urban design)
- Visual communication
 - Graphic design
 - Type design
 - Technical drawing

- Industrial design (product design)
 - Ergonomics (outline)
 - Game design
 - Toy and amusement design
- User experience design
 - Interaction design
 - Information architecture
 - User interface design
 - User experience evaluation
- Fashion design
- Textile design

Business

- Accounting scholarship
- Business administration
- Business analysis

- Information systems (Business informatics)
 - Management information systems

- Business ethics
- Business law
- E-Business
- Entrepreneurship
- Finance (outline)
- Industrial and labor relations
 - Collective bargaining
 - Human resources
 - Organizational studies
 - Labor economics
 - Labor history

- Health informatics
- Information technology (outline)
- International trade
- Management (outline)
- Marketing (outline)
- Operations management
- Purchasing
- Risk management and insurance
- Systems science

Divinity

- Canon law
- Church history
- Field ministry
 - Pastoral counseling
 - Pastoral theology
 - Religious education techniques
 - Homiletics
 - Liturgy
 - Sacred music
 - Missiology

- Hermeneutics
- Scriptural study and languages
 - Biblical Hebrew
 - Biblical studies/Sacred scripture
 - New Testament Greek
 - Latin
 - Old Church Slavonic
- Theology (outline)
 - Dogmatic theology
 - Ecclesiology
 - Sacramental theology
 - Systematic theology
 - Christian ethics
 - Moral theology
 - Historical theology

Education

- Comparative education
- Critical pedagogy
- Curriculum and instruction

- Alternative education
- Early childhood education
- Elementary education
- Secondary education
- Higher education
- Mastery learning
- Cooperative learning
- Agricultural education
- Art education
- Bilingual education
- Chemistry education
- Counselor education
- Language education
- Legal education
- Mathematics education
- Medical education
- Military education and training
- Music education
- Nursing education
- Peace education
- Physical education/Sports coaching
- Physics education
- Reading education
- Religious education
- Science education
- Special education
- Sex education
- Sociology of education
- Technology education
- Vocational education
- Educational leadership
- Educational philosophy
- Educational psychology
- Educational technology
- Distance education

Engineering and technology

Chemical Engineering

- Bioengineering
 - Biochemical engineering
 - Biomolecular engineering
- Catalysis
- Materials engineering
- Molecular engineering
- Nanotechnology
- Polymer engineering
- Process design
 - Petroleum engineering
 - Nuclear engineering
 - Food engineering
- Process engineering
- Reaction engineering
- Thermodynamics
- Transport phenomena

Civil Engineering

- Coastal engineering
- Earthquake engineering
- Ecological engineering
- Environmental engineering
- Geotechnical engineering
 - Engineering geology
- Hydraulic engineering
- Mining engineering
- Transportation engineering
 - Highway engineering
- Structural engineering
 - Architectural engineering
- Structural mechanics

Materials Science and Engineering

- Biomaterials
- Ceramic engineering
- Crystallography
- Nanomaterials
- Photonics
- Physical Metallurgy
- Polymer engineering
- Polymer science
- Semiconductors

Mechanical Engineering

- Aerospace engineering
 - Aeronautics
 - Astronautics
- Acoustical engineering
- Automotive engineering
- Biomedical engineering
 - Biomechanical engineering
- Continuum mechanics
- Fluid mechanics
- Heat transfer
- Industrial engineering
- Manufacturing engineering
- Marine engineering
- Mass transfer
- Mechatronics
- Nanoengineering
- Ocean engineering
- Optical engineering
- Robotics
- Thermodynamics
- Vehicle engineering

Surveying

Electrical Engineering

- Applied physics
- Computer engineering (outline)
- Computer science
- Control systems engineering
 - Control theory
- Electronic engineering
 - Instrumentation engineering
- Engineering physics
 - Photonics
- Information theory
- Mechatronics
- Power engineering
- Robotics (outline)
- Semiconductors
- Telecommunications engineering
- Quantum computing

Environmental studies and forestry

- Environmental management
 - Coastal management
 - Fisheries management
 - Land management
 - Natural resource management
 - Wildlife management

- Environmental policy
- Recreation ecology
- Silviculture
- Sustainability studies
 - Sustainable development
- Toxicology
- Ecology

Family and consumer science

- Consumer education
- Housing
- Interior design

- Nutrition (outline)
 - Foodservice management
- Textiles

Human physical performance and recreation

- Biomechanics / Sports biomechanics
- Sports coaching
- Dance (outline)
- Ergonomics
- Physical fitness
 - Group Fitness / aerobics
 - Personal trainer / Personal fitness training
- Game design
- Exercise physiology
- Kinesiology / Exercise science / Human performance

- Leisure studies
- Physical education / Pedagogy
- Sociology of sport
- Sexology
- Sports journalism / sportscasting
- Sport management
 - Athletic director
- Sport psychology
- Sports medicine
 - Athletic training
- Toy and amusement design

Journalism, media studies and communication

- Journalism (outline)
 - Broadcast journalism
 - Digital journalism
 - Literary journalism
 - New media journalism
 - Print journalism
 - Sports journalism / sportscasting
- Media studies (Mass media)
 - Newspaper
 - Magazine
 - Radio (outline)
 - Television (outline)
 - Television studies
 - Film (outline)
 - Film studies
 - Internet (outline)

- Communication studies
 - Advertising
 - Animal communication
 - Communication design
 - Environmental communication
 - Information theory
 - Intercultural communication
 - Marketing (outline)
 - Mass communication
 - Nonverbal communication
 - Organizational communication
 - Popular culture studies
 - Propaganda
 - Public relations (outline)
 - Speech communication
 - Technical writing
 - Translation

- Legal management
 - Corporate law
 - Mercantile law
 - Business law
- Administrative law
- Canon law
- Comparative law
- Constitutional law
- Competition law
- Criminal law
 - Criminal procedure
 - Criminal justice (outline)
 - Police science
 - Forensic science (outline)
- Islamic law
- Jewish law (outline)
- Jurisprudence (Philosophy of Law)

- Civil law
 - Admiralty law
 - Animal law/Animal rights
 - Common law
 - Corporations
 - Civil procedure
 - Contract law
 - Environmental law
 - Family law
 - Federal law
 - International law
 - Public international law
 - Supranational law
 - Labor law
 - Paralegal studies
 - Property law
 - Tax law
 - Tort law (outline)
- Procedural law
- Substantive law

Library and museum studies

- Archival science
- Bibliometrics
 - Citation analysis
- Conservation science

- Informatics
- Information architecture
- Information science (outline)
- Museology
 - Museum administration

Medicine

Alternative medicine

- Clinical laboratory sciences/Clinical pathology/Laboratory medicine
 - Clinical biochemistry
 - Cytogenetics
 - Cytohematology
 - Cytology (outline)
 - Haemostasiology
 - Histology
 - Clinical immunology
 - Clinical microbiology
 - Molecular genetics
 - Parasitology
- Clinical physiology
- Dentistry (outline)
 - Dental hygiene and epidemiology
 - Dental surgery
 - Endodontics
 - Orthodontics
 - Oral and maxillofacial surgery
 - Periodontics
 - Prosthodontics
 - Implantology
- Dermatology
- Emergency medicine (outline)
- Health informatics/Clinical informatics
- Music therapy
- Nursing
- Nutrition (outline) and dietetics
- Optometry
- Orthoptics
- Physiotherapy
- Occupational therapy
- Speech and language pathology

- Internal medicine
 - Preventive medicine
 - Cardiology
 - Cardiac electrophysiology
 - Dermatology
 - Pulmonology
 - Medical toxicology
 - Endocrinology
 - Gastroenterology
 - Hepatology
 - Oncology
 - Geriatrics
 - Gynaecology
 - Hematology
 - Infectious disease
 - Nephrology
 - Neurology
 - Neurosurgery
 - Obstetrics (outline)
 - Ophthalmology
 - Neuro-ophthalmology
 - Orthopedic surgery
 - Otolaryngology
 - Pathology
 - Pediatrics
- Pharmacy
- Pharmaceutical sciences
- Physical fitness
 - Group Fitness / aerobics
 - Personal fitness training
 - Kinesiology / Exercise science / Human performance
- Physical therapy
- Podiatry
- Primary care
 - General practice
- Psychiatry (outline)
- Psychology (outline)
- Public health
- Radiology
- Recreation therapy
- Rehabilitation medicine

- Respiratory medicine
 - Pulmonology
 - Sleep medicine
- Respiratory therapy
- Rheumatology
- Sports medicine
- Surgery
 - Bariatric surgery
 - Cardiothoracic surgery
 - Neurosurgery
 - Plastic surgery
 - Trauma surgery
 - Traumatology
- Urology
 - Andrology
- Veterinary medicine

Military sciences

- Amphibious warfare
- Artillery
- Battlespace
 - Air
 - Information
 - Land
 - Sea
 - Space
- Campaigning
- Military engineering
- Doctrine
- Game theory
- Grand strategy
 - Containment
 - Limited war
 - Military science (outline)
 - Philosophy of war
 - Strategic studies
 - Total war

- Strategy
 - Attrition
 - Deception
 - Defensive
 - Offensive
 - Counter-offensive
 - Goal
 - Naval
- Tactics
 - Aerial
 - Battle
 - Cavalry
 - Charge
 - Cover
 - Counter-attack
 - Counter-insurgency
 - Foxhole
 - Guerrilla warfare
 - Morale

- Leadership
- Logistics
 - Materiel
 - Supply chain management
- Military history
 - Prehistoric
 - Ancient
 - Medieval
 - Early modern
 - Industrial
 - Modern
 - Fourth-generation warfare
- Military intelligence
- Military law
- Military medicine
- Naval science
 - Naval engineering
 - Naval tactics
 - Naval architecture
- Organization
 - Command and control
 - Doctrine
 - Education and training
 - Engineers
 - Intelligence
 - Ranks
 - Staff
 - Technology and equipment
 - Military sports

- Naval tactics
- Siege
- Tactical objective
- Trench warfare
- Military weapons
 - Armor
 - Artillery
 - Biological
 - Cavalry
 - Conventional
 - Chemical
 - Cyber
 - Economic
 - Electronic
 - Infantry
 - Nuclear
 - Psychological
 - Unconventional
- Other Military
 - Asymmetric warfare
 - Cold war (general term)
 - Mercenary
 - Military campaign
 - Military operation
 - Network-centric warfare
 - Principles of war
 - Proxy war
 - Religious war
 - Theater (warfare)
 - War crimes

Public administration

- Corrections
- Conservation biology

- Criminal justice (outline)
- Emergency management
- Fire safety (Structural fire protection)
- Fire ecology (Wildland fire management)
- Governmental affairs
- International affairs
- Peace and conflict studies
- Police science
- Policy studies
 - Policy analysis
- Public administration
 - Nonprofit administration
 - Non-governmental organization (NGO) administration
 - Public policy doctrine
 - Public policy school
 - Regulation

Public policy

- Agricultural policy
- Commercial policy
- Cultural policy
- Domestic policy
- Drug policy
 - Drug policy reform
- Economic policy
 - Fiscal policy
 - Incomes policy
 - Industrial policy
 - Investment policy
 - Monetary policy
 - Tax policy
- Education policy
- Energy policy
 - Nuclear energy policy
 - Renewable energy policy
- Environmental policy
- Food policy
- Foreign policy

- Health policy
 - Pharmaceutical policy
 - Vaccination policy
- Housing policy
- Immigration policy
- Knowledge policy
- Language policy
- Military policy
- Science policy
 - Climate change policy
 - Stem cell research policy
 - Space policy
 - Technology policy
- Social policy
- Public policy by country

Social work

- Child welfare
- Community practice
 - Community organizing
 - Social policy
- Human Services
- Corrections
- Gerontology
- Medical social work
- Mental health
- School social work

Transportation

- Highway safety
- Infographics
- Intermodal transportation studies
- Marine transportation
 - Port management
- Operations research
- Mass transit

See also

- Academia (outline)
- Academic genealogy
- Curriculum
- Interdisciplinarity
- Transdisciplinarity
- Classification of Instructional Programs
- Joint Academic Coding System
- List of fields of doctoral studies in the United States
- Outline of academic disciplines

Notes

References

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- Oleson, Alexandra; Voss, John (1979). *The Organization of knowledge in modern America, 1860-1920.* ISBN 0-8018-2108-8.
- US Department of Education Institute of Education Sciences. <u>Classification of Instructional Programs</u>
 (CIP) (http://nces.ed.gov/ipeds/cipcode/default.aspx?y=55). National Center for Education Statistics.

External links

- Classification of Instructional Programs (CIP 2000) (http://nces.ed.gov/pubs2002/cip2000/): Developed by the U.S. Department of Education's National Center for Education Statistics to provide a taxonomic scheme that will support the accurate tracking, assessment, and reporting of fields of study and program completions activity.
- Complete JACS (http://www.hesa.ac.uk/jacs/completeclassification.htm) (Joint Academic Classification of Subjects) from Higher Education Statistics Agency (HESA) in the United Kingdom
- Australian and New Zealand Standard Research Classification (ANZSRC 2008) (https://web.archive.org/web/20090913104221/http://www.arc.gov.au/pdf/ANZSRC_FOR_codes.pdf) (web-page (http://www.abs.gov.au/AUSSTATS/abs@.nsf/Latestproducts/1297.0Contents12008? opendocument&tabname=Summary&prodno=1297.0&issue=2008&num=&view=)) Chapter 3 and Appendix 1: Fields of research classification.
- Fields of Knowledge (http://www.thingsmadethinkable.com/item/fields_of_knowledge.php), a zoomable map allowing the academic disciplines and sub-disciplines in this article be visualised.
- Online reference materials (http://essayacademia.com) for any kind of specific academic disciplines.

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