

## List of Categories, Areas, Disciplines and Research Fields

## Category: Integrated Disciplines

Area	Discipline	Research Field	Item Number
Informatics	Principles of Informatics	Theory of informatics	1001
		Mathematical informatics	1002
		Statistical science	1003
	Principles of Informatics	Computer system	1101
		Software	1102
		Information network	1103
		Multimedia database	1104
		High performance computing	1105
		Information security	1106
	Human informatics	Cognitive science	1201
		Perceptual information processing	1202
		Human interface and interaction	1203
		Intelligent informatics	1204
		Soft computing	1205
		Intelligent robotics	1206
		Kansei informatics	1207
		Frontiers of informatics	Life / Health / Medical informatics
	Web informatics, Service informatics		1302
	Library and information science/		1303
	Learning support system		1304
Entertainment and game informatics	1305		
Environmental dynamic analysis	1401		
Environmental analyses and evaluation	Risk sciences of radiation and chemicals 1402 Environmental impact assessment 1403 Environmental engineering and reduction of environmental burden 1501 Modeling and technologies for environmental conservation and remediation 1502 Environmental conscious materials and recycle 1503 Environmental risk control and evaluation 1504		
Environmental conservation	Environmental and ecological symbiosis	1601	
	Design and evaluation of sustainable and environmental conscious system	1602	
	Environmental policy and social systems	1603	
	Sustainable and environmental system development	1601 1602 1603	
Complex systems	Design science	Design science	1651
	Human life science	Home economics/Human life	1701
		Clothing life/Dwelling life	1702
		Eating habits	1703
	Science education/Educational technology	Science education Educational technology	1801 1802
	Sociology/History of science and technology	Sociology/History of science and technology	1901
	Cultural assets study and museology	Cultural assets study and museology	2001
	Geography	Geography	2101
	Social/Safety system science	Social systems engineering/Safety system	2201
		Natural disaster / Disaster prevention science	2202
	Biomedical engineering	Biomedical engineering/Biomaterial science and engineering	2301
		Medical systems	2302
		Medical engineering assessment	2303
		Rehabilitation science/Welfare engineering	2304

Area	Discipline	Research Field	Item Number
Complex systems	Health/Sports science	Developmental mechanisms and the body works	2401
		Sports science	2402
		Applied health science	2403
	Childhood science	Childhood science (childhood environment science)	2451
	Biomolecular science	Biomolecular chemistry	2501
		Chemical biology	2502
	Brain sciences	Basic / Social brain science	2601
		Brain biometrics	2602

## Category: Humanities and Social Sciences

Area	Discipline	Research Field	Item Number
Humanities/ Social sciences	Area studies	Area studies	2701
	Gender	Gender	2801
	Tourism Studies	Tourism Studies	2851
Humanities	Philosophy	Philosophy/Ethics	2901
		Chinese philosophy/Indian philosophy/Buddhist studies	2902
		Religious studies	2903
		History of thought	2904
		Aesthetics and studies on art	3001
	Art studies	Fine art history	3002
		Art at large	3003
		Literature	Japanese literature
	Literature in English		3102
	European literature		3103
	Chinese literature		3104
	Literature in general		3105
	Linguistics	Linguistics	3201
		Japanese linguistics	3202
		English linguistics	3203
		Japanese language education	3204
		Foreign language education	3205
	History	Historical studies in general	3301
		Japanese history	3302
		History of Asia and Africa	3303
History of Europe and America		3304	
Archaeology		3305	
Human geography	Human geography	3401	
Cultural anthropology	Cultural anthropology	3501	
Social sciences	law	Fundamental law	3601
		Public law	3602
		International law	3603
		Social law	3604
		Criminal law	3605
		Civil law	3606
		New fields of law	3607
	Politics	Politics	3701
		International relations	3702
	Economics	Economic theory	3801
		Economic doctrine/ Economic thought	3802
		Economic statistics	3803
		Economic policy	3804
		Public finance/Public economy	3805
		Money/ Finance	3806
Economic history		3807	
Management	Management	3901	
	Commerce	3902	
	Accounting	3903	
Sociology	Sociology	4001	
	Social welfare and social work studies	4002	

**Annex 4. List of Categories, Areas, Disciplines and Research Fields**

(Humanities and Social Sciences)

Area	Discipline	Research Field	Item Number
Social sciences	Psychology	Social psychology	4101
		Educational psychology	4102
		Clinical psychology	4103
		Experimental psychology	4104
	Education	Education	4201
		Sociology of education	4202
		Education on school subjects and activities	4203
		Special needs education	4204

**Category: Science and Engineering**

Interdisciplinary science and engineering	Nano/Micro science	Nanostructural chemistry	4301	
		Nanostructural physics	4302	
		Nanomaterials chemistry	4303	
		Nanomaterials engineering	4304	
		Nanobioscience	4305	
		Nano/Microsystems	4306	
	Applied physics	Applied materials	4401	
		Crystal engineering	4402	
		Thin film/Surface and interfacial physical properties	4403	
		Optical engineering, Photon science	4404	
		Plasma electronics	4405	
	General applied physics	4406		
	Quantum beam science	Quantum beam science	4501	
	Computational science	Computational science	4601	
	Mathematical and physical sciences	Mathematics	Algebra	4701
			Geometry	4702
Basic analysis			4703	
Mathematical analysis			4704	
Foundations of mathematics/Applied mathematics			4705	
Astronomy		Astronomy	4801	
Physics		Particle/Nuclear/Cosmic ray/Astro physics	4901	
		Condensed matter physics I	4902	
		Condensed matter physics II	4903	
		Mathematical physics/ Fundamental condensed matter physics	4904	
		Atomic/Molecular/Quantum electronics	4905	
		Biological physics/Chemical physics/Soft matter physics	4906	
Earth and planetary science		Solid earth and planetary physics	5001	
		Meteorology/Physical oceanography/Hydrology	5002	
		Space and upper atmospheric physics	5003	
	Geology	5004		
	Stratigraphy/Paleontology	5005		
	Petrology/Mineralogy/ Economic geology	5006		
	Geochemistry/Cosmochemistry	5007		
Plasma science	Plasma science	5101		
Chemistry	Basic chemistry	Physical chemistry	5201	
		Organic chemistry	5202	
		Inorganic chemistry	5203	
	Applied chemistry	Functional solid state chemistry	5301	
		Synthetic chemistry	5302	
		Polymer chemistry	5303	
		Analytical chemistry	5304	
		Bio-related chemistry	5305	
		Green/Environmental chemistry	5306	
	Energy-related chemistry	5307		
	Materials chemistry	Organic and hybrid materials	5401	
		Polymer/Textile materials	5402	
		Inorganic industrial materials	5403	
		Device related chemistry	5404	
Engineering	Mechanical engineering	Materials/ Mechanics of materials	5501	
		Production engineering/ Processing studies	5502	

Area	Discipline	Research Field	Item Number	
Engineering	Mechanical engineering	Design engineering/ Machine functional elements/ Tribology	5503	
		Fluid engineering	5504	
		Thermal engineering	5505	
		Dynamics/Control	5506	
		Intelligent mechanics/ Mechanical systems	5507	
		Electrical and electronic engineering	Power engineering/Power conversion/Electric machinery	5601
			Electronic materials/ Electric materials	5602
			Electron device/ Electronic equipment	5603
	Communication/ Network engineering		5604	
	Measurement engineering		5605	
	Control engineering/System engineering		5606	
	Civil engineering		Civil engineering materials/ Construction/ Construction management	5701
			Structural engineering/ Earthquake engineering/ Maintenance management engineering	5702
		Geotechnical engineering	5703	
		Hydraulic engineering	5704	
		Civil engineering project/ Traffic engineering	5705	
		Civil and environmental engineering	5706	
	Architecture and building engineering	Building structures/Materials	5801	
		Architectural environment/ Equipment	5802	
		Town planning/ Architectural planning	5803	
		Architectural history/Design	5804	
	Material engineering	Physical properties of metals/Metal-base materials	5901	
		Inorganic materials/Physical properties	5902	
		Composite materials/Surface and interface engineering	5903	
		Structural/Functional materials	5904	
		Material processing/Microstructural control engineering	5905	
		Metal making/Resource production engineering	5906	
	Process/Chemical engineering	Properties in chemical engineering process/Transfer operation/Unit operation	6001	
		Reaction engineering/Process system	6002	
		Catalyst/Resource chemical process	6003	
		Biofunction/Bioprocess	6004	
	Integrated engineering	Aerospace engineering	6101	
Naval and maritime engineering		6102		
Earth system and resources engineering		6103		
Nuclear fusion studies		6104		
Nuclear engineering		6105		
Energy engineering	6106			

## Category: Biological Sciences

Area	Discipline	Research Field	Item Number	
Biological Sciences	Neuroscience	Neurophysiology / General neuroscience	6201	
		Nerve anatomy/Neuropathology	6202	
		Neurochemistry/Neuropharmacology	6203	
	Laboratory animal science	Laboratory animal science	6301	
	Oncology	Tumor biology	6401	
		Tumor diagnostics	6402	
		Tumor therapeutics	6403	
	Genome science	Genome biology	6501	
		Medical genome science	6502	
		System genome science	6503	
	Conservation of biological resources	Conservation of biological resources	6601	
	Biology	Biological Science	Molecular biology	6701
			Structural biochemistry	6702
Functional biochemistry			6703	
Biophysics			6704	
Cell biology			6705	
Basic biology		Developmental biology	6706	
		Plant molecular biology/Plant physiology	6801	
		Morphology/Structure	6802	
		Animal physiology/Animal behavior	6803	
		Genetics/Chromosome dynamics	6804	
		Evolutionary biology	6805	
		Biodiversity/Systematics	6806	
Anthropology		Ecology/Environment	6807	
		Physical anthropology	6901	
		Applied anthropology	6902	
		Science in genetics and breeding	7001	
Agricultural sciences		Plant production and environmental agriculture	Crop production science	7002
			Horticultural science	7003
			Plant protection science	7004
			Plant nutrition/Soil science	7101
		Agricultural chemistry	Applied microbiology	7102
	Applied biochemistry		7103	
	Bioorganic chemistry		7104	
	Food science		7105	
	Forest and forest products science		Forest science	7201
		Wood science	7202	
	Applied aquatic science	Aquatic bioproduction science	7301	
		Aquatic life science	7302	
	Agricultural science in society and economy	Agricultural science in management and economy	7401	
		Agricultural science in rural society and development	7402	
	Agro-engineering	Rural environmental engineering/Planning	7501	
		Agricultural environmental engineering/Agricultural information engineering	7502	
	Animal life science	Animal production science	7601	
		Veterinary medical science	7602	
		Integrative animal science	7603	
	Boundary agriculture	Insect science	7701	
		Environmental agriculture(including landscape science)	7702	
		Applied molecular and cellular biology	7703	
	Medicine, dentistry, and pharmacy	Pharmacy	Chemical pharmacy	7801
			Physical pharmacy	7802
			Biological pharmacy	7803
			Pharmacology in pharmacy	7804
			Natural medicines	7805
Drug development chemistry			7806	
Environmental and hygienic pharmacy			7807	
Medical pharmacy			7808	

Area	Discipline	Research Field	Item Number	
Medicine, dentistry, and pharmacy	Basic medicine	General anatomy (including histology/embryology)	7901	
		General physiology	7902	
		Environmental physiology (including physical medicine and nutritional physiology)	7903	
		General pharmacology	7904	
		General medical chemistry	7905	
		Pathological medical chemistry	7906	
		Human genetics	7907	
		Human pathology	7908	
		Experimental pathology	7909	
		Parasitology (including sanitary zoology)	7910	
		Bacteriology (including mycology)	7911	
		Virology	7912	
		Immunology	7913	
	Boundary medicine	Medical sociology	8001	
		Applied pharmacology	8002	
		Laboratory medicine	8003	
		Medical Physics and Radiological Technology	8005	
	Society medicine	Pain science	8004	
		Epidemiology and preventive medicine	8101	
		Hygiene and public health	8102	
		Medical and hospital management	8103	
	Clinical internal medicine	Legal medicine	8104	
		General internal medicine (including psychosomatic medicine)	8201	
		Gastroenterology	8202	
		Cardiovascular medicine	8203	
		Respiratory organ internal medicine	8204	
		Kidney internal medicine	8205	
		Neurology	8206	
		Metabolomics	8207	
		Endocrinology	8208	
		Hematology	8209	
		Collagenous pathology/Allergology	8210	
		Infectious disease medicine	8211	
		Pediatrics	8212	
		Embryonic/Neonatal medicine	8213	
		Dermatology	8214	
		Psychiatric science	8215	
		Radiation science	8216	
		Clinical surgery	General surgery	8301
			Digestive surgery	8302
			Cardiovascular surgery	8303
			Respiratory surgery	8304
	Neurosurgery		8305	
	Orthopaedic surgery		8306	
	Anesthesiology		8307	
	Urology		8308	
	Obstetrics and gynecology		8309	
	Otorhinolaryngology		8310	
	Ophthalmology		8311	
	Pediatric surgery		8312	
	Plastic surgery		8313	
	Emergency medicine		8314	
	Dentistry	Morphological basic dentistry	8401	
		Functional basic dentistry	8402	
		Pathobiological dentistry/ Dental radiology	8403	
		Conservative dentistry	8404	
		Prosthodontics/ Dental materials science and dental engineering/	8405	
		Regenerative dentistry	8406	
		Surgical dentistry	8407	
		Orthodontics/Pediatric dentistry	8408	
		Periodontology	8409	
		Social dentistry	8410	
		Nursing	Fundamental nursing	8501
	Clinical nursing		8502	
	Lifelong developmental nursing		8503	
	Gerontological nursing		8504	
	Community health nursing		8505	