

## 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	1301
			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	3101
		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	
Sociology	Accounting	3903	
	Sociology	4001	
	Social welfare and social work studies	4002	

**Annex 5. 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	
		Ecology/Environment	6807	
Anthropology		Physical anthropology	6901	
		Applied anthropology	6902	
Agricultural sciences		Plant production and environmental agriculture	Science in genetics and breeding	7001
			Crop production science	7002
			Horticultural science	7003
			Plant protection science	7004
		Agricultural chemistry	Plant nutrition/Soil science	7101
			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		
	Prosthetics/ 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		