

Attached Table 2 List of Categories, Areas, Disciplines and Research Fields

(1) Grants-in-Aid for Scientific Research FY2015 List of Categories, Areas, Disciplines and Research Fields

In the case of all the research categories (except for screening division “Overseas Academic Research”), the first stage of the screening of the research fields that have the indication “A”, “B” or “C” in the remarks column is carried out in separate groups. The basis for this division in separate groups is the keywords. Make sure to select “A”, “B” or “C” based on the Appendix Table of Keywords “Categories, Areas, Disciplines and Research Fields”, when applying for these research fields.

In the case of “Scientific Research (C)”, screening division “General”, the first stage of the screening of the research fields that have the symbol “※” is carried out in separate groups. The basis for this division in separate groups is the keywords. Make sure to select a division number from “1” to “5” based on the Appendix Table of Keywords “Categories, Areas, Disciplines and Research Fields”, when applying for these research fields for the research category “Scientific Research (C)”, screening division “General”. Moreover, for research fields that include “A” and “※”, make sure to select “A”, and subsequently select a division number “1” or “2”, when applying.

In the case of “Scientific Research (C)”, screening division “General”, research fields carried in the “List of Disciplines and Research Fields with a Time Limit” have been set up as areas for screening, besides the main table.

Category: Integrated Disciplines

Area	Discipline	Research Field	Item Number	Remark
Informatics	Principles of Informatics	Theory of informatics	1001	
		Mathematical informatics	1002	
		Statistical science	1003	
	Computing Technologies	Computer system	1101	
		Software	1102	
		Information network	1103	
		Multimedia database	1104	
		High performance computing	1105	
		Information security	1106	
		Cognitive science	1201	
	Human informatics	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		A B	
Library and information science/ Humanistic social informatics	1303		A B	
Learning support system	1304			
Entertainment and game informatics	1305			
Environmental analyses and evaluation	Environmental dynamic analysis		1401	
	Risk sciences of radiation and chemicals		1402	A B
	Environmental impact assessment		1403	
Environmental conservation	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		
	Sustainable and environmental system development	Environmental and ecological symbiosis	1601	
		Design and evaluation of sustainable and environmental conscious system	1602	
		Environmental policy and social systems	1603	
Complex systems	Design science	Design science	1651	
		Home economics/Human life	1701	
	Human life science	Clothing life/Dwelling life	1702	
		Eating habits	1703	A B C
	Science education/Educational technology	Science education	1801	※
		Educational technology	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	A B
		Geography	Geography	2101
	Social/Safety system science	Social systems engineering/ Safety system	2201	A B
		Natural disaster / Disaster prevention science	2202	A B
	Biomedical engineering	Biomedical engineering/ Biomaterial science and engineering	2301	A B
		Medical systems	2302	
		Medical engineering assessment	2303	
		Rehabilitation science/ Welfare engineering	2304	A※ B

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

Category: Humanities and Social Sciences

Humanities/ Social sciences	Area studies	Area studies	2701	
	Gender	Gender	2801	
	Tourism Studies	Tourism Studies	2851	
	Philosophy	Philosophy/Ethics	2901	
		Chinese philosophy/Indian philosophy/Buddhist studies	2902	※
		Religious studies	2903	
		History of thought	2904	
	Art studies	Aesthetics and studies on art	3001	
		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		
Accounting		3903		
Sociology	Sociology	4001	※	
	Social welfare and social work studies	4002		

(Humanities and Social Sciences)

Area	Discipline	Research Field	Item Number	Remark
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		
	Quantum beam science	General applied physics	4406		
		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	Remark
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	Remark
Biological Sciences	Neuroscience	Neurophysiology / General neuroscience	6201	
		Nerve anatomy/Neuropathology	6202	A B
		Neurochemistry/ Neuropharmacology	6203	
	Laboratory animal science	Laboratory animal science	6301	
	Oncology	Tumor biology	6401	A B
		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	
		Developmental biology	6706	
	Basic biology	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		
	Plant production and environmental agriculture	Science in genetics and breeding	7001	
Crop production science		7002		
Horticultural science		7003		
Plant protection science		7004	A B	
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	A B	
	Aquatic life science	7302		
Agricultural science in management 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	A B	
Animal life science	Animal production science	7601	A B	
	Veterinary medical science	7602	A B	
	Integrative animal science	7603	A B	
Boundary agriculture	Insect science	7701		
	Environmental agriculture(including landscape science)	7702	A B	
	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	Remark	
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	※	
	Pain science		8004		
	Medical Physics and Radiological Technology		8005		
	Society medicine	Epidemiology and preventive medicine	8101	※	
		Hygiene and public health	8102	※	
		Medical and hospital management	8103		
		Legal medicine	8104		
	Clinical internal medicine	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	8405	※		
	Dental engineering/ 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	※		