Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) Fall 2017

GSS Code List Complete List of GSS Eligible Fields and Codes

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Do not include certificate programs <u>or</u> units that only award professional degrees, such as AuD, DDS, DED, DN, DNP, DO, DPM, DPT, DScPT, JD, MLA, MD, ND, OD, OTD, PharmD, PsyD, or SLPD.

GSS Field Title	GSS Code	CIP Pro	gram Title
Agricultural Science Fields			
Agricultural Economics	901	Agricultural Economics	 Natural Resource Economics
Agricultural Sciences	501	 Agricultural and Horticultural Plant Breeding Agricultural Animal Breeding Agriculture, General Agriculture, Agriculture Operations, and Related Sciences, Other Agroecology and Sustainable Agriculture Agronomy and Crop Science Animal Health Animal Nutrition Animal Sciences, General Animal Science Food Science Food Science and Technology, Other 	 Food Technology and Processing Horticultural Science International Agriculture Livestock Management Ornamental Horticulture Plant Protection and Integrated Pest Management Plant Sciences, General Plant Sciences, Other Poultry Science Range Science and Management Soil Chemistry and Physics Soil Microbiology Soil Science and Agronomy Soil Sciences, Other
Environmental Science and Studies	510	Environmental Science	Environmental Studies

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Natural Resources and Con	servatior		
Forestry, Natural Resources and Conservation		 Fishing and Fisheries Sciences and Management Forest Management/Forest Resources Management Forest Resources Production and Management Forest Sciences and Biology Forestry, General Forestry, Other Land Use Planning and Management/Development Natural Resources and Conservation, Other Natural Resources Conservation and Research, Other 	 Natural Resources Management and Policy Natural Resources Management and Policy, Other Natural Resources/Conservation, General Urban Forestry Water, Wetlands, and Marine Resources Management Wildlife, Fish and Wildlands Science and Management Wood Science and Wood Products/Pulp and Paper Technology
Biological and Biomedical S	Science F	ields	
Biochemistry	602	BiochemistryBiochemistry and Molecular BiologyMolecular Biochemistry	 Biochemistry, Biophysics and Molecular Biology, Other
Biology	603	Biology/Biological Sciences, General	
Biomedical Sciences	623	Biomedical Sciences, General	
Biostatistics and Bioinformatics	618	BioinformaticsBiometry/BiometricsBiostatistics	Computational BiologyBiomathematics, Bioinformatics and Computational Biology, Other
Biophysics	605	Biophysics	Molecular Biophysics
Biotechnology	624	Biotechnology	
Botany and Plant Biology	606	Botany/Plant BiologyBotany/Plant Biology, OtherPlant Molecular Biology	Plant PhysiologyPlant Pathology/Phytopathology
Cell, Cellular Biology and Anatomical Sciences	,	 Anatomy Cell Biology and Anatomy Cell/Cellular and Molecular Biology Cell/Cellular Biology and Histology 	 Developmental Biology and Embryology Cell/Cellular Biology and Anatomical Sciences, Other
Ecology and Population Biology	620	 Aquatic Biology/Limnology Ecology Conservation Biology Ecology, Evolution, Systematics and Population Biology, Other Ecology and Evolutionary Biology 	 Environmental Biology Evolutionary Biology Population Biology Systematic Biology/Biological Systematics
Epidemiology	621	 Epidemiology 	
Genetics	610	 Animal Genetics Genetics, General Genetics, Other Genome Sciences/Genomics Human/Medical Genetics 	Microbial and Eukaryotic GeneticsMolecular GeneticsPlant Genetics
Biological and Biomedical S	Science F	ields continued next page	

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Microbiological Sciences and Immunology	611	 Immunology Medical Microbiology and Bacteriology Microbiological Sciences and Immunology, Other Microbiology and Immunology 	Microbiology, GeneralMycologyParasitologyVirology
Molecular Biology	622	Molecular BiologyPhotobiology	Radiation Biology/RadiobiologyStructural Biology
Neurobiology and Neuroscience	950	NeuroanatomyNeurobiology and AnatomyNeurobiology and Behavior	NeuroscienceNeurobiology and Neurosciences, Other
Nutrition Science	612	Nutrition Sciences	
Pathology and Experimental Pathology	613	Pathology/Experimental Pathology	
Pharmacology and Toxicology	614	 Environmental Toxicology Molecular Pharmacology Molecular Toxicology Neuropharmacology Pharmacology 	Pharmacology and ToxicologyPharmacology and Toxicology, OtherToxicology
Physiology	615	 Aerospace Physiology and Medicine Cardiovascular Science Cell Physiology Endocrinology Exercise Physiology Molecular Physiology Neurobiology and Neurophysiology 	 Oncology and Cancer Biology Physiology, General Physiology, Pathology, and Related Sciences, Other Reproductive Biology Vision Science/Physiological Optics
Zoology and Animal Biology	616	Animal Behavior and EthologyAnimal PhysiologyEntomology	Wildlife BiologyZoology/Animal BiologyZoology/Animal Biology, Other
Biological and Biomedical Sciences, not elsewhere classified	617	Biological and Biomedical Sciences, Other	Molecular Medicine
Computer and Information S	Science	Fields	
Computer Science (exclude DCS)	410	Computer Science	
Computer and Information Sciences, general (exclude DCS)	411	 Artificial Intelligence Computer and Information Sciences, General Computer and Information Sciences, Other 	InformaticsInformation Technology
Computer and Information Sciences, not elsewhere classified (exclude DCS)	412	 Computer and Information Sciences and Support Services, Other Computer and Information Systems Security/Information Assurance Computer Graphics Computer Systems Analysis/Analyst Computer Systems Networking and Telecommunications 	 Data Modeling/Warehousing and Database Administration Information Science/Studies Modeling, Virtual Environments and Simulation

GSS Code	CIP Pro	gram Title
d Ocea	n Science Fields	
301	 Atmospheric Chemistry and Climatology Atmospheric Physics and Dynamics Atmospheric Science and Meteorology, General 	Atmospheric Science and Meteorology, OtherMeteorology
302	 Geochemistry Geochemistry and Petrology Geology/Earth Science, General Geophysics and Seismology 	 Geological and Earth Sciences/Geosciences, Other Hydrology and Water Resources Science Paleontology
303	Marine Biology and Biological OceanographyMarine Sciences	Oceanography, Chemical and Physical
304		
101	 Aerospace, Aeronautical, and Astronautical/Space Engineering 	
102	Agricultural Engineering	
115	Biological/Biosystems Engineering	
103	Bioengineering and Biomedical Engineering	 Biomedical Technology/ Technician (exclude Master's)
104	 Biochemical Engineering Chemical and Biomolecular Engineering Chemical Engineering 	 Chemical Engineering, Other Engineering Chemistry Paper Science and Engineering Polymer/Plastics Engineering
105	 Architectural Engineering Civil Engineering, General Civil Engineering, Other Construction Engineering Environmental/Environmental Health Engineering Geotechnical and Geoenvironmental Engineering 	 Structural Engineering Surveying Engineering Transportation and Highway Engineering Water Resources Engineering
106	 Computer Engineering, General Computer Engineering, Other Computer Hardware Engineering Computer Software Engineering Electrical Engineering and Electronics Engineering 	 Electrical, Electronics and Communications Engineering, Other Laser and Optical Engineering Telecommunications Engineering
107	Engineering MechanicsEngineering Physics/Applied Physics	Engineering Science
	301 302 303 304 101 102 115 103 104	d Ocean Science Fields 301 • Atmospheric Chemistry and Climatology • Atmospheric Physics and Dynamics • Atmospheric Science and Meteorology, General 302 • Geochemistry • Geochemistry and Petrology • Geology/Earth Science, General • Geophysics and Seismology 303 • Marine Biology and Biological Oceanography • Marine Sciences 304 101 • Aerospace, Aeronautical, and Astronautical/Space Engineering 102 • Agricultural Engineering 115 • Biological/Biosystems Engineering 103 • Bioengineering and Biomedical Engineering 104 • Biochemical Engineering • Chemical and Biomolecular Engineering • Chemical Engineering • Chemical Engineering • Civil Engineering, General • Civil Engineering, Other • Construction Engineering • Environmental/Environmental Health Engineering • Environmental/Environmental Health Engineering • Computer Engineering, General • Computer Hardware Engineering • Computer Hardware Engineering • Computer Hardware Engineering • Computer Software Engineering • Computer Software Engineering • Electrical Engineering and Electronics Engineering • Electrical Engineering • Electrical Engineering • Electrical Engineering

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Industrial and Manufacturing Engineering	108	Industrial EngineeringManufacturing Engineering	Operations ResearchSystems Engineering
Mechanical Engineering	109	 Electromechanical Engineering Mechanical Engineering	 Mechatronics, Robotics, and Automation Engineering
Metallurgical and Materials Engineering	110	Ceramic Sciences and EngineeringMaterials EngineeringMetallurgical Engineering	Textile Sciences and Engineering
Mining and Mineral Engineering	111	Geological/Geophysical Engineering	Mining and Mineral Engineering
Nuclear Engineering	112	Nuclear Engineering	
Petroleum Engineering	113	Petroleum Engineering	
Engineering, not elsewhere classified	114	Engineering DesignEngineering, GeneralEngineering, OtherForest Engineering	 Naval Architecture and Marine Engineering Ocean Engineering
Nanotechnology	116	Nanotechnology	
Health Fields			
Anesthesiology (Postdocs and NFRs only)	701	Anesthesiology	
Cardiology and Cardiovascular Disease (Postdocs and NFRs only)	702	Cardiology	Cardiovascular DiseasesPediatric Cardiology
Communication Disorders Sciences (exclude AuD and SLPD)	723	 Audiology/Audiologist Audiology/Audiologist and Speech- Language Pathology/Pathologist Communication Sciences and Disorders, General 	 Communication Disorders Sciences and Services, Other Speech-Language Pathology/ Pathologist
Dental Sciences (exclude DDS)	718	 Advanced/Graduate Dentistry and Oral Sciences, Other Dental Clinical Sciences, General Dental Materials Dental Public Health and Education Endodontics/Endodontology 	 Oral Biology and Oral and Maxillofacial Pathology Oral/Maxillofacial Surgery Orthodontics/Orthodontology Pediatric Dentistry/Pedodontics Periodontics/Periodontology Prosthodontics/Prosthodontology
Endocrinology, Diabetes, and Metabolism (Postdocs and NFRs only)	704	Endocrinology, Diabetes, and Metabolism	Pediatric Endocrinology
Gastroenterology (Postdocs and NFRs only)	705	Gastroenterology	
Hematology (Postdocs and NFRs only)	706	Hematology	Pediatric Hematology
Neurology (Postdocs and NFRs only)	707	Neurology	Neurosurgery
Nursing Science (exclude ND and DNP)	719	Nursing Science	

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Nursing (exclude Master's, ND, and DNP)	719	 Nursing Administration Nurse Anesthetist Registered Nursing/Registered Nurse 	Registered Nursing, Nursing Administration, Nursing Research, and Clinical Nursing, Other	
Obstetrics and Gynecology (Postdocs and NFRs only)	708	Gynecology	Obstetrics	
Oncology and Cancer Research (Postdocs and NFRs only)	703	Cancer Research Medical Oncology	Oncology ResearchPediatric Oncology	
Ophthalmology (Postdocs and NFRs only)	709	Ophthalmology		
Otorhinolaryngology (Postdocs and NFRs only)	710	Otorhinolaryngology		
Pediatrics (Postdocs and NFRs only)	711	Pediatrics	Prematurity and Newborn	
Pharmaceutical Sciences (exclude PharmD)	720	 Clinical and Industrial Drug Development Industrial and Physical Pharmacy and Cosmetic Sciences Medicinal and Pharmaceutical Chemistry Natural Products Chemistry and Pharmacognosy Pharmaceutical Sciences 	 Pharmaceutics and Drug Design Pharmacoeconomics/ Pharmaceutical Economics Pharmacy Administration and Pharmacy Policy and Regulatory Affairs (exclude Master's) Pharmacy, Pharmaceutical Sciences, and Administration, Other (exclude Master's) 	
Public Health	712	 Community Health and Preventive Medicine Environmental Health Health/Medical Physics International Public Health/ International Health 	 Maternal and Child Health Occupational Health and Industrial Hygiene Public Health Education and Promotion Public Health, General 	
Psychiatry (Postdocs and NFRs only)	713	Behavioral Medicine (clinical)	Child Psychiatry	
Pulmonary Disease (Postdocs and NFRs only)	714	Pulmonary Disease		
Radiological Sciences (Postdocs and NFRs only)	715	Nuclear RadiologyRadiation Oncology	Radiological Physics	
Surgery (Postdocs and NFRs only)	716	Orthopedics/Orthopedic Surgery	Surgery	
Veterinary Biomedical and Clinical Sciences (exclude DVM)	721	 Comparative and Laboratory Animal Medicine Large Animal/Food Animal and Equine Surgery and Medicine Small/Companion Animal Surgery and Medicine Veterinary Anatomy Veterinary Biomedical and Clinical Sciences, Other Veterinary Sciences/Veterinary and Clinical Sciences, General 	 Veterinary Infectious Diseases Veterinary Microbiology and Immunobiology Veterinary Pathology and Pathobiology Veterinary Physiology Veterinary Preventive Medicine, Epidemiology, and Public Health Veterinary Toxicology and Pharmacology 	

Health Fields continued on next page

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Clinical Medicine, not elsewhere classified (exclude DN, DO, DPM, MD and OD)		 Aerospace Medicine Allergy and Immunology Medicine Clinical Laboratory Medicine Clinical/Medical Laboratory Science and Allied Professions, Other (exclude Master's) Complementary and Alternative Medicine Connective Tissue Diseases Critical Care Medicine Dermatology Diabetes Emergency Medicine Gene Therapy 	 HIV/AIDS Infectious Diseases Internal Medicine Liver Diseases Medical Scientist (exclude MD) Metabolic diseases Nephrology Occupational Medicine Palliative Care Physical Medicine and Rehabilitation/Physiatry Trauma Urology
Health-Related, not elsewhere classified (exclude DPT, DScPT, and OTD)	•	 Bioethics/Medical Ethics Health Professions and Related Clinical Sciences, Other (exclude Master's) Health Services/Allied Health/Health Sciences, General Kinesiology and Exercise Science 	 Medical Informatics Occupational Therapy/Therapist (exclude Master's and OTD) Physical Therapy/Therapist (exclude Master's, DPT and DScPT) Rehabilitation Science
Interdisciplinary Fields – see	Multidise	ciplinary and Interdisciplinary Studies o	on page 10
Mathematics and Statistics F	Fields		
Mathematics and Applied Mathematics	•	 Algebra and Number Theory Analysis and Functional Analysis Applied Mathematics, General Applied Mathematics, Other Computational Mathematics Computational and Applied Mathematics 	 Financial Mathematics Geometry/Geometric Analysis Mathematics, General Mathematics, Other Mathematical Biology Topology and Foundations
Statistics	403	 Mathematics and Statistics Mathematics and Statistics, Other Mathematical Statistics and Probability 	Statistics, GeneralStatistics, Other
Multidisciplinary Fields – see	e Multidis	ciplinary and Interdisciplinary Studies	on page 10
Physical Science Fields			
Astronomy and Astrophysics	201	AstronomyAstronomy and Astrophysics, OtherAstrophysics	Planetary Astronomy and Science
Chemistry	•	 Analytical Chemistry Chemical Physics Chemistry, General Chemistry, Other Environmental Chemistry Forensic Chemistry 	 Inorganic Chemistry Organic Chemistry Physical Chemistry Polymer Chemistry Theoretical Chemistry

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Physics	203	 Acoustics Atomic/Molecular Physics Condensed Matter and Materials Physics Elementary Particle Physics Nuclear Physics Optics/Optical Sciences 	 Physics, General Physics, Other Plasma and High-Temperature Physics Theoretical and Mathematical Physics 	
Physical Sciences, not elsewhere classified	204	Physical Sciences	Physical Sciences, Other	
Psychology Fields	-			
Clinical Psychology <i>(exclude PsyD)</i>	803	Clinical Psychology	Clinical Child Psychology	
Counseling and Applied Psychology	804	 Applied Behavior Analysis Applied Psychology Clinical, Counseling and Applied Psychology, Other Community Psychology Counseling Psychology Educational Psychology Environmental Psychology Family Psychology 	 Forensic Psychology Geropsychology Industrial and Organizational Psychology Health/Medical Psychology Personality Psychology Psychology, Other School Psychology Social Psychology 	
Psychology, General	801	Psychology, General		
Research and Experimental Psychology	805	 Cognitive Psychology and Psycholinguistics Comparative Psychology Developmental and Child Psychology Experimental Psychology Psychopharmacology 	 Physiological Psychology/ Psychobiology Psychometrics and Quantitative Psychology Research and Experimental Psychology, Other 	
Social Science Fields				
Anthropology	902	AnthropologyAnthropology, OtherCultural Anthropology	Medical AnthropologyPhysical and Biological Anthropology	
Criminal Justice – Safety Studies	911	Criminal Justice/Safety Studies		
Economics	903	 Applied Economics Development Economics and International Development Economics, General 	 Economics, Other Econometrics and Quantitative Economics International Economics 	
Geography and Cartography	904	Geographic Information Science and CartographyGeography	Geography, Other	
History and Philosophy of Science and Technology	905	History and Philosophy of Science and Technology		
Human Development	915	Adult Development and AgingChild Development	Human Development and Family Studies, General	

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International Relations and National Security Studies	912	 International Relations and Affairs International Relations and National Security Studies, Other 	National Security Policy Studies
Linguistics	906	Applied LinguisticsLinguistics	Linguistics of ASL and Other Sign Languages
Political Science and Government	907	 American Government and Politics (United States) Canadian Government and Politics Political Economy 	 Political Science and Government, General Political Science and Government, Other
Public Policy Analysis	914	Education Policy AnalysisHealth Policy AnalysisInternational Policy Analysis	Public Policy Analysis, GeneralPublic Policy Analysis, Other
Sociology	908	Demography and Population StudiesRural Sociology	SociologySociology and Anthropology (combined program)
Social Sciences, not elsewhere classified	910	 African Studies African-American/Black Studies American Indian/Native American Studies American/United States Studies/Civilization Archeology Area Studies, Other Asian Studies/Civilization Asian-American Studies Balkans Studies Baltic Studies Canadian Studies Caribbean Studies Caribbean Studies Commonwealth Studies Criminology Deaf Studies Disability Studies East Asian Studies Ethnic, Cultural Minority, Gender, and Group Studies, Other Ethnic Studies European Studies/Civilization Folklore Studies French Studies Gay/Lesbian Studies German Studies Hispanic-American, Puerto Rican, and Mexican-American/ Chicano Studies 	 Irish Studies Italian Studies Japanese Studies Korean Studies Latin American and Caribbean Studies Latin American Studies Near and Middle Eastern Studies Pacific Area/Pacific Rim Studies Polish Studies Regional Studies (US, Canadian, Foreign) Research Methodology and Quantitative Methods Russian, Central European, East European and Eurasian Studies Russian Studies Scandinavian Studies Slavic Studies Social Sciences, General Social Sciences, Other South Asian Studies Southeast Asian Studies Spanish and Iberian Studies Tibetan Studies Ukraine Studies Ural-Altaic and Central Asian Studies Urban Studies/Affairs Western European Studies Women's Studies

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Multidisciplinary and Interd	isciplina	ary Studies	
Multidisciplinary and Interdisciplinary Studies (include only programs with a science, engineering or health field component)	980	 Accounting and Computer Science (combined program) Behavioral Sciences Biological and Physical Sciences Biopsychology Cognitive Science Computational Science Gerontology Holocaust and Related Studies Human Biology Human Computer Interaction 	 Intercultural/Multicultural and Diversity Studies International/Global Studies Mathematics and Computer Science (combined program) Natural Sciences Peace Studies and Conflict Resolution Science, Technology and Society Systems Science and Theory