

TABLE A-18b

## Detailed field changes in the GSS between 2019 and 2020

(Crosswalk)

2020 broad field	2020 GSS code	2020 detailed field	2019 GSS code	2019 detailed field	Changes
Agricultural and veterinary sciences	501	Agricultural sciences	501	Agricultural sciences	
	502	Veterinary biomedical and clinical sciences	721	Veterinary biomedical and clinical sciences	Moved from Other health broad field to reflect change in CIP; GSS code changed to reflect this move.
Biological and biomedical sciences	602	Biochemistry	602	Biochemistry	
	603	Biology	603	Biology	
	605	Biophysics	605	Biophysics	
	606	Botany and plant biology	606	Botany and plant biology	
	610	Genetics	610	Genetics	
	611	Microbiological sciences and immunology	611	Microbiological sciences and immunology	New CIP code added.
	612	Nutrition science	612	Nutrition science	
	613	Pathology and experimental pathology	613	Pathology and experimental pathology	
	614	Pharmacology and toxicology	614	Pharmacology and toxicology	
	615	Physiology	615	Physiology	New CIP code added.
	616	Zoology and animal biology	616	Zoology and animal biology	
	617	Biological and biomedical sciences nec	617	Biological and biomedical sciences nec	
	618	Biostatistics and bioinformatics	618	Biostatistics and bioinformatics	
	619	Cell, cellular biology, and anatomical sciences	619	Cell, cellular biology, and anatomical sciences	
	620	Ecology and population biology	620	Ecology and population biology	
	621	Epidemiology	621	Epidemiology	New CIP code added.
	622	Molecular biology	622	Molecular biology	
623	Biomedical sciences	623	Biomedical sciences		
624	Biotechnology	624	Biotechnology		
950	Neurobiology and neuroscience	950	Neurobiology and neuroscience		
Computer and information sciences	410	Computer science	410	Computer science	
	411	Computer and information science	411	Computer and information science	Code 411 split into 411, 414, and 416.
	414	Information technology	411	Computer and information science	New code, split from 411.
	416	Artificial intelligence, informatics and computer and information science topics	411	Computer and information science	New code, split from 411.
	412	Computer and information science, nec	412	Computer and information science nec	Code 412 split into 412, 413, and 415.
	413	Computer and information systems security	412	Computer and information science nec	New code, split from 412.
	415	Information science and studies	412	Computer and information science nec	New code, split from 412.
Geoscience, atmospheric, and ocean sciences	301	Atmospheric sciences and meteorology	301	Atmospheric sciences and meteorology	
	302	Geological and earth sciences	302	Geological and earth sciences	New CIP code added.
	303	Ocean and marine sciences	303	Ocean and marine sciences	New CIP code added.

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	304	Geoscience, atmospheric, and ocean sciences nec	304	Geoscience, atmospheric, and ocean sciences nec	
Mathematics and statistics	404	Applied mathematics	402	Mathematics and applied mathematics	New code split from 402; 402 was retired.
	405	Mathematics	402	Mathematics and applied mathematics	New code split from 402; 402 was retired. New CIP code added.
	403	Statistics	403	Statistics	New CIP code added.
Multidisciplinary and interdisciplinary studies	980	Multidisciplinary and interdisciplinary studies nec	980	Multidisciplinary and interdisciplinary studies	Name changed to reflect the new structure of the broad field; 980 split into 980, 981, 982, and 983. Added new CIP codes.
	981	Computational science	980	Multidisciplinary and interdisciplinary studies	Split from 980.
	982	Biological and physical sciences	980	Multidisciplinary and interdisciplinary studies	Split from 980.
	983	International and global studies	980	Multidisciplinary and interdisciplinary studies	Split from 980.
	984	Data science and data analytics	984	Data science and data analytics	New code comprised of new 2020 CIP codes.
Natural resources and conservation	510	Environmental science and studies	510	Environmental science and studies	
	511	Forestry, natural resources and conservation	511	Forestry, natural resources and conservation	New CIP codes added.
Physical sciences	201	Astronomy and astrophysics	201	Astronomy and astrophysics	
	202	Chemistry	202	Chemistry	New CIP code added.
	203	Physics	203	Physics	
	204	Physical sciences nec	204	Physical sciences nec	New CIP code added.
	205	Materials sciences	205	Materials sciences	
Psychology	801	Psychology, general	801	Psychology, general	
	803	Clinical psychology	803	Clinical psychology	
	804	Applied psychology	804	Counseling and applied psychology	Code 804 split into 804 and 806; name changed to reflect the code split. New CIP code added.
	806	Counseling psychology	804	Counseling and applied psychology	New code, split from 804.
	805	Research and experimental psychology	805	Research and experimental psychology	Two CIP codes moved from 804 for alignment with TOD and CIP; new CIP code added.
	815	Human development	915	Human development	Moved from Social sciences.
Social sciences	901	Agricultural and natural resource economics	901	Agricultural economics	Name changed.
	902	Anthropology	902	Anthropology	New CIP code added.
	903	Economics (except agricultural and natural resource)	903	Economics (except agricultural)	Name changed. New CIP code added.
	904	Geography and cartography	904	Geography and cartography	
	905	History and philosophy of science and technology	905	History and philosophy of science and technology	
	906	Linguistics	906	Linguistics	New CIP codes added.
	907	Political science and government	907	Political science and government	
	908	Sociology and population studies	908	Sociology	Name changed. New CIP codes added.

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	910	Social sciences nec	910	Social sciences nec	Codes 916, 917, and 918 split from 910.
	916	Area, ethnic, cultural, gender, and group studies	910	Social sciences nec	Split from 910.
	917	Criminology	910	Social sciences nec	Split from 910.
	918	Urban studies and affairs	910	Social sciences nec	Split from 910.
	911	Criminal justice and safety studies	911	Criminal justice and safety studies	
	912	International relations and national security studies	912	International relations and national security studies	
	914	Public policy analysis	914	Public policy analysis	
Aerospace, aeronautical, and astronautical engineering	101	Aerospace, aeronautical, and astronautical engineering	101	Aerospace, aeronautical, and astronautical engineering	New CIP code added.
Biological, biomedical, and biosystems engineering	103	Bioengineering and biomedical engineering	103	Bioengineering and biomedical engineering	
	115	Biological and biosystems engineering	115	Biological and biosystems engineering	
Chemical, petroleum, and chemical-related engineering	104	Chemical engineering	104	Chemical engineering	
	113	Petroleum engineering	113	Petroleum engineering	
Civil, environmental, transportation and related engineering fields	105	Civil engineering	105	Civil engineering	Code split.
	117	Architectural, environmental, construction and surveying engineering	105	Civil engineering	Split from 105.
Electrical, electronics, communications and computer engineering	118	Computer engineering	106	Electrical, electronics, and communications engineering	Split from 106
	106	Electrical, electronics, and communications engineering	106	Electrical, electronics, and communications engineering	Code split. New CIP code added.
Industrial, manufacturing, systems engineering and operations research	108	Industrial and manufacturing engineering	108	Industrial and manufacturing engineering	Code split.
	119	Systems engineering and operations research	108	Industrial and manufacturing engineering	
Mechanical engineering	109	Mechanical engineering	109	Mechanical engineering	
Metallurgical, mining, materials and related engineering fields	110	Metallurgical and materials engineering	110	Metallurgical and materials engineering	
	111	Mining engineering	111	Mining engineering	
Engineering, other	102	Agricultural engineering	102	Agricultural engineering	
	107	Engineering mechanics, physics, and science	107	Engineering mechanics, physics, and science	
	112	Nuclear engineering	112	Nuclear engineering	
	114	Engineering nec	114	Engineering nec	New CIP code added.
	116	Nanotechnology	116	Nanotechnology	
Clinical medicine	701	Anesthesiology	701	Anesthesiology	Most PD and NFR CIP codes changed due to changes in CIP 2020.
	702	Cardiology and cardiovascular disease	702	Cardiology and cardiovascular disease	Most PD and NFR CIP codes changed due to changes in CIP 2020.

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	703	Oncology and cancer research	703	Oncology and cancer research	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	704	Endocrinology, diabetes, and metabolism	704	Endocrinology, diabetes, and metabolism	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	705	Gastroenterology	705	Gastroenterology	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	706	Hematology	706	Hematology	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	707	Neurology and neurosurgery	707	Neurology and neurosurgery	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	708	Obstetrics and gynecology	708	Obstetrics and gynecology	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	709	Ophthalmology	709	Ophthalmology	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	710	Otorhinolaryngology	710	Otorhinolaryngology	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	711	Pediatrics	711	Pediatrics	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	712	Public health	712	Public health	New CIP codes added.	
	713	Psychiatry	713	Psychiatry	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	714	Pulmonary disease	714	Pulmonary disease	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	715	Radiological sciences	715	Radiological sciences	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	716	Surgery	716	Surgery	Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	717	Clinical medicine nec	717	Clinical medicine nec	Now PD and NFR only. Most PD and NFR CIP codes changed due to changes in CIP 2020.	
	Other health	725	Clinical and medical laboratory science	729	Medical clinical sciences and clinical and medical laboratory sciences	New code comprised of new 2020 CIP codes, newly eligible codes and codes from 717.
		730	Medical clinical sciences	729	Medical clinical sciences and clinical and medical laboratory sciences	New code comprised of new 2020 CIP codes.
718		Dental sciences	718	Dental sciences	New CIP codes added.	
719		Nursing science	719	Nursing science		
720		Pharmaceutical sciences	720	Pharmaceutical sciences		
	722	Other health nec	722	Other health nec	New CIP codes added. Code split.	
	723	Communication disorders sciences	723	Communication disorders sciences		

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	724	Kinesiology and exercise science	724	Kinesiology and exercise science	Split from 722.

CIP = Classification of Instructional Programs; GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering; NFR = nonfaculty researcher; nec = not elsewhere classified; PD = postdoctoral appointee; TOD = Taxonomy of Disciplines.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2020.