

Appendix B. Classification of Programs

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Science and engineering		Science and engineering	
Biological and agricultural sciences		Biological and agricultural sciences	
Agricultural sciences		Agricultural sciences	
01.05	Taxidermy/taxidermists	005	Animal breeding/genetics
01.08	Agriculture extension/communications	007	Animal husbandry
01.09	Animal sciences	010	Animal nutrition
01.10	Food sciences/technology	012	Dairy science
01.11	Plant sciences	014	Poultry science
01.12	Soil sciences	019	Animal sciences, other
01.99	Agriculture/agricultural sciences, other	020	Agronomy/crop science
03.01	Natural resources conservation	025	Agricultural/horticultural plant breeding/genetics
03.02	Natural resources management/protective services	030	Plant pathology/phytopathology
03.03	Fishing and fisheries sciences/management	032	Plant protection/pest management
03.05	Forestry/forest management	039	Plant sciences, other
03.06	Wildlife/wildlands management	040	Food sciences
03.99	Natural resources conservation, other	042	Food distribution
26.0707	Agricultural animal physiology	043	Food science
		044	Food sciences/technology, other
		045	Soil sciences
		046	Soil chemistry/microbiology
		049	Soil sciences, other
		050	Horticulture science
		054	Fish and wildlife
		055	Fishing and fisheries sciences/management
		060	Wildlife management
		065	Forestry science
		066	Forest sciences/biology
		068	Forest engineering
		070	Forest management/resources
		072	Wood science and pulp/paper technology
		074	Natural resources conservation, other
		079	Forestry and related sciences, other
		080	Wildlife/range management
		081	Environmental science
		098	Agricultural science, general
		099	Agricultural science, other
		580	Environmental science
Biological Sciences		Biological Sciences	
19.0505	Food systems administration	100	Biochemistry
26.01	Biology, general	103	Biomedical sciences
26.0202	Biochemistry	105	Biophysics
26.0203	Biophysics	107	Biotechnology research
26.0204	Molecular biology	110	Bacteriology
26.0209	Radiation biology/radiobiology	115	Plant genetics
26.03	Botany/plant biology	120	Plant pathology/phytopathology
26.0401	Cell/cellular biology and histology	125	Plant physiology
26.0403	Anatomy	129	Botany/plant biology
26.0405	Neurosciences	130	Anatomy
26.05	Microbiology/bacteriology	133	Biometrics/biostatistics
26.0503	Medical microbiology/bacteriology	136	Cell/cellular biology and histology
26.0504	Virology	139	Ecology
26.0505	Parasitology	140	Hydrology
26.0599	Immunology	142	Developmental biology/embryology
26.07	Zoology	145	Endocrinology
26.08	Genetics, plant/animal	148	Entomology
26.09	Medical neurobiology	151	Biological immunology
26.0910	Pathology	154	Molecular biology
26.10	Pharmacology/toxicology	156	Microbiology/bacteriology
26.1101	Biometrics	157	Microbiology
26.1102	Biostatistics	160	Neuroscience
26.12	Biotechnology research	163	Nutritional sciences
26.13	Ecology	166	Parasitology

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Biological Sciences, continued		Biological Sciences, continued	
26.1302	Marine/aquatic biology	169	Toxicology
26.1303	Evolutionary biology	170	Genetics, human/animal
26.99	Biological sciences/life sciences, other	171	Genetics
30.10	Biopsychology	175	Pathology, human/animal
30.19	Nutritional sciences	180	Pharmacology, human/animal
30.24	Neuroscience	185	Physiology, human/animal
		186	Animal/plant physiology
		189	Zoology, other
		198	Biology/biological sciences, general
		199	Biology/biomedical sciences, other
Computer sciences		Computer sciences	
11.01	Computer/information sciences, general	400	Computer science
11.02	Computer programming	410	Information science/systems
11.03	Data processing technology/technician	419	Computer/information science, other
11.04	Information sciences/systems		
11.05	Computer systems analysis		
11.07	Computer science		
11.08	Web page design, computer graphics, database management		
11.09	Computer systems networking and telecommunications		
11.10	System administration, networking, management		
11.99	Computer/information sciences, other		
Earth, atmospheric, and ocean sciences		Earth, atmospheric, and ocean sciences	
Atmospheric sciences		Atmospheric sciences	
40.0401	Atmospheric sciences/meteorology, general	510	Atmospheric chemistry/climatology
40.0402	Atmospheric chemistry/climatology	512	Atmospheric physics/dynamics
40.0403	Atmospheric physics/dynamics	514	Meteorology
40.0404	Meteorology	518	Atmospheric science/meteorology, general
40.0499	Atmospheric science/meteorology, other	519	Atmospheric science/meteorology, other
Earth sciences		Earth sciences	
40.0601	Geology	540	Geology
40.0602	Geochemistry	542	Geochemistry
40.0603	Geophysics/seismology	544	Geophysics/seismology
40.0604	Paleontology	545	Geophysics (solid earth)
40.0605	Hydrology/water resources sciences	546	Paleontology
40.0606	Geochemistry/petrology	548	Mineralogy/petrology
40.0699	Geological and related sciences, other	549	Mineralogy, petrology, geochemistry
		550	Stratigraphy/sedimentation
		552	Geomorphology/glacial geology
		554	Applied geology
		555	Applied geology/geological engineering
		558	Geological/earth sciences, general
		559	Geological/earth sciences, other
		585	Hydrology/water resources
Oceanography		Oceanography	
40.0607	Oceanography	590	Oceanography
		595	Marine sciences
		599	Ocean/marine sciences, other
Mathematics		Mathematics	
27.01	Mathematics, general	420	Applied mathematics
27.03	Applied mathematics	425	Algebra
27.05	Mathematical statistics	430	Analysis/functional analysis
27.99	Mathematics/statistics, other	435	Geometry/geometric analysis
52.1302	Business statistics	440	Logic
52.1304	Actuarial science	445	Number theory
		450	Mathematical statistics
		455	Topology
		460	Computing theory/practice
		465	Operations research
		498	Mathematics/statistics, general
		499	Mathematics/statistics, other

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Physical sciences		Physical sciences	
Astronomy		Astronomy	
40.0201	Astronomy	500	Astronomy
40.0202	Astrophysics	505	Astrophysics
40.0299	Astronomy/astrophysics, other	506	Astronomy/astrophysics
Chemistry		Chemistry	
40.0501	Chemistry, general	520	Analytical chemistry
40.0502	Analytical chemistry	521	Agricultural/food chemistry
40.0503	Inorganic chemistry	522	Inorganic chemistry
40.0504	Organic chemistry	524	Nuclear chemistry
40.0506	Physical/theoretical chemistry	526	Organic chemistry
40.0507	Polymer chemistry	528	Medicinal/pharmaceutical chemistry
40.0508	Chemical physics	530	Physical chemistry
40.0599	Chemistry, other	532	Polymer chemistry
51.2004	Medicinal/pharmaceutical chemistry	534	Theoretical chemistry
		538	Chemistry, general
		539	Chemistry, other
Physics		Physics	
40.0801	Physics, general	560	Acoustics
40.0802	Chemical and atomic/molecular physics	561	Chemical and atomic/molecular physics
40.0804	Elementary particle physics	562	Electron physics
40.0805	Plasma/high-temperature physics	563	Electromagnetism
40.0806	Nuclear physics	564	Elementary particle physics
40.0807	Optics/optical sciences	565	Biophysics
40.0808	Solid state/low-temperature physics	566	Fluids
40.0809	Acoustics	567	Mechanics
40.0810	Theoretical/mathematical physics	568	Nuclear physics
40.0899	Physics, other	569	Optics/photonics
		570	Plasma/high-temperature physics
		572	Polymer physics
		573	Thermal physics
		574	Solid state/low-temperature physics
		575	Theoretical physics
		576	Applied physics
		578	Physics, general
		579	Physics, other
Other physical sciences			
40.01	Physical sciences, general		
40.99	Physical sciences, other		
Psychology		Psychology	
42.01	Psychology, general	600	Clinical psychology
42.02	Clinical psychology	603	Cognitive psychology/psycholinguistics
42.03	Cognitive psychology/psycholinguistics	606	Comparative psychology
42.04	Community psychology	609	Counseling psychology
42.05	Comparative psychology	612	Developmental/child psychology
42.06	Counseling psychology	613	Human development/family studies
42.07	Developmental/child psychology	615	Experimental psychology
42.08	Experimental psychology	616	Experimental, comparative, physiological psychology
42.09	Industrial/organizational psychology	618	Educational psychology
42.10	Personality psychology	619	Human engineering
42.11	Physiological psychology/psychobiology	620	Family psychology
42.16	Social psychology	621	Industrial/organizational psychology
42.19	Psychometrics	624	Personality psychology
42.20	Clinical child psychology	627	Physiological psychology/psychobiology
42.21	Environmental psychology	630	Psychometrics
42.22	Geropsychology	633	Quantitative psychology
42.23	Health/medical psychology	636	School psychology
42.24	Psychopharmacology	639	Social psychology
42.25	Family psychology	648	Psychology, general
42.26	Forensic psychology	649	Psychology, other
42.99	Psychology, other		
51.1507	Psychoanalysis		
51.3603	Hypnotherapy		

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Social sciences		Social sciences	
Economics		Economics	
01.0103	Agricultural economics	000	Agricultural economics
45.06	Economics	666	Economics
		668	Econometrics
Political science		Political science	
44.04	Public administration	674	International relations/affairs
44.05	Public policy analysis	678	Political science/government
44.99	Public administration/services, other	679	Political science/public administration
45.09	International relations/affairs	682	Public policy analysis
45.10	Political science/government	976	Public administration
Sociology		Sociology	
45.05	Demography/population studies	662	Demography/population studies
45.11	Sociology	686	Sociology
Other social sciences		Other social sciences	
05	Area, ethnic, cultural, gender studies	650	Anthropology
16.0102	Linguistics	652	Area studies
30.1101	Gerontology	658	Criminology
30.1501	Science, technology, society	670	Geography
30.1701	Behavioral sciences	690	Statistics
30.2001	International/global studies	694	Urban affairs/studies
30.2301	Intercultural/multicultural and diversity studies	698	Social sciences, general
45.01	Social sciences, general	699	Social sciences, other
45.02	Anthropology	710	History/philosophy of science and technology
45.03	Archeology	724	Folklore
45.04	Criminology	729	Linguistics
45.07	Geography	770	American studies
45.10	Canadian government/politics	773	Archeology
45.12	Urban affairs/studies	776	Art History/Criticism/Conservation
45.99	Social sciences/history, other		
53.3201	Bioethics/medical ethics		
54.0000	Social sciences/history		
54.0404	History/philosophy of science and technology		
Engineering		Engineering	
Aeronautical/astronautical engineering		Aeronautical/astronautical engineering	
14.02	Aerospace, aeronautical, astronautical engineering	300	Aerospace, aeronautical, astronautical engineering
Chemical engineering		Chemical engineering	
14.07	Chemical engineering	312	Chemical engineering
14.25	Petroleum engineering	366	Petroleum engineering
14.32	Polymer/plastics engineering	369	Polymer/plastics engineering
		547	Fuel technology/petroleum engineering
Civil engineering		Civil engineering	
14.04	Architectural engineering	315	Civil engineering
14.08	Civil engineering	336	Environmental health engineering
14.14	Environmental/environmental health engineering		
Electrical engineering		Electrical engineering	
14.09	Computer engineering	318	Communications engineering
14.10	Electrical, electronics, communications engineering	321	Computer engineering
14.38	Surveying engineering	322	Electrical engineering
		323	Electronics engineering
		324	Electrical, electronics, communications engineering
Mechanical engineering		Mechanical engineering	
14.11	Engineering mechanics	327	Engineering mechanics
14.19	Mechanical engineering	345	Mechanical engineering
Materials/metallurgical engineering		Materials/metallurgical engineering	
14.06	Ceramic sciences/engineering	309	Ceramic sciences
14.18	Materials engineering	342	Materials science
14.20	Metallurgical engineering	348	Metallurgical engineering
14.31	Materials science		

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IPEDS Completion Survey		Survey of Earned Doctorates	
Other engineering		Other engineering	
14.01	Engineering, general	303	Agricultural engineering
14.03	Agricultural engineering	306	Bioengineering/biomedical engineering
14.05	Bioengineering/biomedical engineering	330	Engineering physics
14.12	Engineering physics	333	Engineering science
14.13	Engineering science	339	Industrial/Manufacturing
14.15	Geological engineering	351	Mining/mineral engineering
14.16	Geophysical engineering	354	Naval architecture/marine engineering
14.21	Mining/mineral engineering	357	Nuclear engineering
14.22	Naval architecture/marine engineering	360	Ocean engineering
14.23	Nuclear engineering	363	Operations research
14.24	Ocean engineering	372	Systems engineering
14.27	Systems engineering	375	Textile engineering
14.28	Textile sciences/engineering	398	Engineering, general
14.29	Engineering design	399	Engineering, other
14.34	Forest engineering		
14.37	Operations research		
14.39	Geological engineering		
14.99	Engineering, other		
45.0702	Cartography		
Non-science and engineering		Non-science and engineering	
Education		Education	
13	Education	800	Curriculum/instructions
31.05	Health/physical education	805	Education administration/supervision
39.0401	Religious education	807	Education leadership
42.1701	School psychology	810	Education/instructional media design
42.1801	Educational psychology	815	Education statistics/research methods
51.0913	Athletic training/trainer	820	Education assessment/testing/measures
		822	Educational psychology (see also 618)
		825	School psychology (see also 636)
		830	Social/philosophical foundations of education
		835	Special education
		840	Counseling education/counseling and guidance services
		845	Education evaluation/research
		850	Pre-elementary/early childhood teacher education
		852	Elementary teacher education
		854	Junior high teacher education
		856	Secondary teacher education
		858	Adult/continuing teacher education
		860	Agricultural Education
		861	Art education
		862	Business education
		864	English education
		866	Foreign languages education
		868	Physical education, health, recreation
		870	Home economics education
		874	Mathematics education
		876	Music education
		878	Nursing education
		880	Physical education/coaching
		882	Reading education
		884	Science education
		885	Social Science education
		886	Speech education
		887,888	Trade/industrial education
		889	Teacher education, specific academic/vocational programs, other
		898	Education, general
		899	Education, other
Health		Health	
Medical sciences		Medical sciences	
51	Health professions/related clinical sciences	205	Dentistry
60.01	Dentistry	210	Environmental health
60.02	Medicine/surgery	211	Environmental Toxicology

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IPEDS Completion Survey		Survey of Earned Doctorates	
Medical sciences, continued		Medical sciences, continued	
60.03	Veterinary medicine	215	Public health
26.0988	Medical physiology	219	Public health/epidemiology
		220	Epidemiology
		225	Medicine/surgery
		235	Optometry/ophthalmology
		240	Pharmacy
		250	Veterinary science
		Other health	
		200	Speech/language pathology and audiology
		212	Health systems/services administration
		224	Hospital administration
		230	Nursing
		245	Rehabilitation/therapeutic services
		298	Health sciences, general
		299	Health sciences, other
Humanities		Humanities	
English/literature		English/literature	
16.0104	Comparative literature	720	Classics
23	American/English languages, literatures	723	Comparative literature
		725	English/American literature
		732	Literature, American
		733	Literature, English
		734	English language
		736	Speech/rhetorical studies
		738	Letters, general
		739	Letters, other
Foreign languages/literatures		Foreign languages/literatures	
16	Foreign languages/literatures	740	French
16.1200	Classics/languages	743	German
		746	Italian
		749	Spanish
		752	Russian
		755	Slavic (other than Russian)
		758	Chinese
		762	Japanese
		765	Hebrew
		768	Arabic
		769	Other languages/literature
History		History	
54	History	700	History, American
		703	History, Asian
		705	History, European
		706	History, African
		707	History, Latin American
		718	History, general
		History, continued	
		719	History, other
Religion/theology		Religion/theology	
38.02	Religious studies	790	Religion (see also 984)
39	Theology/ministries	791	Religion/theology
		984	Theology/religious education (see also 790)
Other humanities		Other	
24	Liberal arts/other humanities	780	Music
38.01	Philosophy	785	Philosophy (see also 440)
50	Visual/performing arts	795	Drama/Theater Arts
		798	Humanities, general
		799	Humanities, other
Professional fields		Professional fields	
Business/management		Business/management	
01.01	Agricultural business/management	002	Agricultural business/management
01.03	Agricultural production operations	900	Accounting

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IPEDS Completion Survey		Survey of Earned Doctorates	
Business/management, continued		Business/management, continued	
01.05	Agricultural/domestic animal services	905	Banking/financial support services
01.06	Horticultural operations	910	Business administration/management
14.3701	Operations research	915	Business/managerial economics
52	Business, management, marketing, related support services	916	International Business/Trade/Commerce
		917	Management information systems/business data processing
		920	Marketing management/research
		921	Human Resources Development
		925	Business statistics
		930	Operations research (see also 363, 465)
		935	Organizational behavior (see also 621)
		938	Business management/administrative services, general
		939	Business management/administrative services, other
Information fields (journalism, broadcasting, librarianship)		Information fields (journalism, broadcasting, librarianship)	
09	Communications	940	Communication research
10	Communications technologies	945	Journalism
25	Library science	947	Mass communication
		950	Radio/television
		957	Communication theory
		958	Communication, general
		959	Communication, other
		972	Library science
Other professional fields		Other professional fields	
04	Architecture/related programs	964	Home economics
12	Personal/culinary services	968	Law
15	Engineering-related technologies	974	Parks/recreation/leisure/fitness
19	Home economics/family studies	980	Social service professions
22	Law and legal studies	988	Professional fields, general
28	Reserve officer training corps (ROTC)	989	Professional fields, other
29	Military technologies	999	Other fields
30	Multi-/interdisciplinary studies		
31	Parks/recreation/leisure/fitness		
32	Basic skills		
33	Citizenship activities		
34	Health related knowledge/skills		
35	Interpersonal/social skills		
36	Personal awareness/self-improvement		
41	Science technologies		
43	Protective services		
44	Public administration/social services professions		
46	Construction trades		
47	Mechanic/repair technologies		
48	Precision production trades		
49	Transportation/materials moving workers		