

TABLE C-1. Comparison of science, engineering, and health doctoral fields of study used in SDR detailed statistical tables to fields used in the SESTAT and SED questionnaires

Detailed statistical tables		SESTAT questionnaires	SED questionnaire
Major field	Subfield		
Biological, agricultural, and environmental life sciences	Agricultural/food sciences	605 Animal sciences	005 Animal breeding/genetics 007 Animal husbandry* 010 Animal nutrition 012 Dairy science 014 Poultry science 019 Animal sciences, other
		606 Food sciences/technology	043 Food engineering 040 Food sciences* 042 Food distribution* 044 Food sciences, other
		607 Plant sciences	020 Agronomy/crop science 025 Plant breeding/genetics 030 Plant pathology (see also 120) 032 Plant protection/pest management* 039 Plant sciences, other 050 Horticulture science
		608 Other agricultural sciences	046 Soil chemistry/microbiology 045 Soil sciences* 049 Soil sciences, other 098 Agricultural sciences, general 099 Agricultural sciences, other
	Biochemistry/biophysics	631 Biochemistry/biophysics	100 Biochemistry 105 Biophysics
	Cell/molecular biology	634 Cell/molecular biology	136 Cell biology (see also 154) 154 Molecular biology
	Microbiology	637 Microbiology	110 Bacteriology 156 Microbiology/bacteriology* 157 Microbiology
	Zoology	641 Zoology, general	148 Entomology 189 Zoology, other
	Environmental life sciences	680 Environmental science studies	055 Fisheries science/management 054 Fish and wildlife science* 081 Environmental science 580 Environmental science
		681 Forestry sciences	060 Wildlife* 066 Forest biology 065 Forestry science* 068 Forest engineering 070 Forest management 072 Wood science and pulp/paper technology 074 Conservation/renewable natural resources 079 Forestry and related sciences, other 080 Wildlife/range management
	Other biological sciences	632 Biology, general	198 Biological sciences, general
		633 Botany	120 Plant pathology (see also 030) 125 Plant physiology 129 Botany, other
		635 Ecology	139 Ecology
		636 Genetics, animal/plant	115 Plant genetics 170 Genetics, human/animal 171 Genetics*
638 Nutritional sciences		163 Nutritional sciences	
639 Pharmacology, human/animal		180 Pharmacology, human/animal	
640 Physiology and pathology, human/animal		175 Pathology, human/animal 185 Physiology, human/animal 186 Animal/plant physiology*	
642 Other biological sciences		103 Biomedical sciences 107 Biotechnology research 130 Anatomy	

TABLE C-1. Comparison of science, engineering, and health doctoral fields of study used in SDR detailed statistical tables to fields used in the SESTAT and SED questionnaires

Detailed statistical tables		SESTAT questionnaires	SED questionnaire
Major field	Subfield		
Biological, agricultural, and environmental life sciences, continued			133 Biometrics/biostatistics 140 Hydrobiology* 142 Developmental biology/embryology 145 Endocrinology 151 Biological immunology 160 Neuroscience 166 Parasitology 169 Toxicology 199 Biological sciences, other
Computer and information sciences	Computer and information sciences	D67 Computer/information sciences	400 Computer science 410 Information science/systems 419 Computer/information sciences, other
Mathematics and statistics	Mathematics and statistics	841 Applied mathematics	420 Applied mathematics
		842 Mathematics, general	498 Mathematics, general
		843 Operations research	363 Operations research
			465 Operations research
		844 Statistics	930 Operations research 450 Mathematical statistics (see also 690) 690 Statistics (see also 450)
845 Other mathematics	425 Algebra 430 Analysis/functional analysis 435 Geometry 440 Logic 445 Number theory 455 Topology 460 Computing theory/practice 499 Mathematics, other		
Physical sciences	Astronomy/astrophysics	871 Astronomy/astrophysics	500 Astronomy 505 Astrophysics 506 Astronomy/astrophysics*
	Chemistry, except biochemistry	873 Chemistry	520 Analytical 521 Agricultural/food 522 Inorganic 524 Nuclear 526 Organic 528 Medicinal/pharmaceutical 530 Physical 532 Polymer 534 Theoretical 538 Chemistry, general 539 Chemistry, other
			Earth/atmospheric/ocean sciences
875 Geology	540 Geology 548 Mineralogy, petrology 549 Mineralogy/petrology/geological chemistry* 550 Stratigraphy/sedimentation 554 Applied geology 555 Applied geology/geological engineering 552 Geomorphology/glacial geology		
	876 Geological sciences, other	542 Geochemistry 544 Geophysics, seismology 545 Geophysics, solid earth* 546 Paleontology	

TABLE C-1. Comparison of science, engineering, and health doctoral fields of study used in SDR detailed statistical tables to fields used in the SESTAT and SED questionnaires

Detailed statistical tables		SESTAT questionnaires	SED questionnaire
Major field	Subfield		
Physical sciences, continued			547 Fuel technology/petroleum engineering*
			558 Geological and related sciences, general
			559 Geological and related sciences, other
		877 Oceanography	590 Oceanography
	Physics	878 Physics	560 Acoustics
			561 Chemical and atomic/molecular
			562 Electron physics*
			563 Electromagnetism*
			564 Elementary particle
			565 Biophysics (see 105)*
			566 Fluids
			567 Mechanics*
			568 Nuclear
			569 Optics
			570 Plasma/high-temperature
			572 Polymer
			573 Thermal*
			574 Solid state/low-temperature
			576 Applied*
			578 Physics, general
			579 Physics, other
	Physical sciences, other	D87 Physical sciences, other	585 Hydrology/water resources
			595 Marine sciences
			599 Physical sciences, other
Psychology	Psychology	704 Educational psychology	618 Educational (see also 822)
			822 Educational psychology
		891 Clinical psychology	600 Clinical
		892 Counseling	609 Counseling
		893 Experimental psychology	615 Experimental
		894 General psychology	648 Psychology, general
		895 Industrial/organizational psychology	621 Industrial/organizational
		896 Social psychology	639 Social
		897 Other psychology	603 Cognitive psychology/psycholinguistics
			606 Comparative
	612 Developmental/child		
	613 Human/individual and family development		
	616 Experimental/comparative psychology/physiology*		
	619 Human engineering*		
	620 Family/marriage counseling		
	624 Personality		
	627 Physiological/psychobiology		
	630 Psychometrics		
	633 Quantitative		
	636 School		
	649 Psychology, other		
Social sciences	Economics	923 Economics	666 Economics
			668 Econometrics
		601 Agriculture, economics	000 Agricultural economics
			002 Agricultural business/management
	Political sciences	927 International relations	674 International relations/affairs
		928 Political science/government	678 Political science/government
			679 Political science/public administration*
		902 Public policy studies	682 Public policy analysis
	Sociology	929 Sociology	686 Sociology
	Other social sciences	620 Area/ethnic studies	652 Area studies
		770 American studies	
	771 Linguistics	729 Linguistics	

TABLE C-1. Comparison of science, engineering, and health doctoral fields of study used in SDR detailed statistical tables to fields used in the SESTAT and SED questionnaires

Detailed statistical tables		SESTAT questionnaires	SED questionnaire
Major field	Subfield		
Social sciences, continued		921 Anthropology/archeology	650 Anthropology 773 Archeology
		922 Criminology	658 Criminology
		924 Geography	670 Geography
		925 History of science	710 History/philosophy of science/technology
		930 Other social sciences	662 Demography/population studies 694 Urban affairs/studies 698 Social sciences, general 699 Social sciences, other
Engineering	Aerospace/aeronautical/ astronautical engineering	721 Aerospace, aeronautical, astronautical	300 Aerospace/aeronautical/astronautical
	Chemical engineering	725 Chemical	312 Chemical
	Civil engineering	726 Civil	315 Civil
	Electrical/computer engineering	727 Computer/systems	321 Computer 372 Systems
		728 Electrical/electronics/communications	318 Communications 322 Electrical* 323 Electronics* 324 Electrical/electronics
	Materials/metallurgical engineering	734 Materials, including ceramics/textiles	309 Ceramic science 342 Materials science 369 Polymer/plastics 375 Textile*
		736 Metallurgical	348 Metallurgical
	Mechanical engineering	735 Mechanical	345 Mechanical
	Other engineering	722 Agricultural	303 Agricultural
		724 Bioengineering/biomedical	306 Bioengineering/biomedical
		729 Engineering sciences/mechanics/ physics	327 Engineering mechanics 330 Engineering physics 333 Engineering science
		730 Environmental	336 Environmental health engineering
		731 General	398 Engineering, general
		733 Industrial	339 Industrial/manufacturing
		737 Mining/minerals	351 Mining/mineral
		738 Naval architecture/marine engineering	354 Naval architecture/marine engineering*
		739 Nuclear	357 Nuclear
		740 Petroleum	366 Petroleum
	741 Other engineering	360 Ocean 399 Engineering, other	
	Health	Health	781 Audio/speech pathology
782 Health services administration			212 Health systems/services administration
786 Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary)			205 Dentistry* 225 Medical/surgery* 235 Optometry/ophthalmology* 250 Veterinary medicine
787 Nursing (4 years or longer program)			230 Nursing
788 Pharmacy			240 Pharmacy
789 Physical therapy and other rehabilitation/therapeutic services			245 Rehabilitation/therapeutic services
790 Public health (including environmental health/epidemiology)			210 Environmental health 211 Environmental toxicology* 215 Public health (see also 133) 219 Public health/epidemiology* 220 Epidemiology

TABLE C-1. Comparison of science, engineering, and health doctoral fields of study used in SDR detailed statistical tables to fields used in the SESTAT and SED questionnaires

Detailed statistical tables		SESTAT questionnaires	SED questionnaire
Major field	Subfield		
Health, continued		791 Other health/medical sciences	222 Exercise physiology/science, kinesiology 298 Health sciences, general 224 Hospital administration* 299 Health sciences, other

\* Doctoral field dropped or replaced and no longer used in the Survey of Earned Doctorates.

SED = Survey of Earned Doctorates.

SESTAT = Scientists and Engineers Statistical Data System, <http://sestat.nsf.gov>.

SDR = Survey of Doctorate Recipients.