

Table SRA-1**SED aggregated fields and their constituent fields in the report figures and tables: 2021**

(Field)

Aggregated field name and constituent fields
Science and engineering
Agricultural sciences and natural resources
Agricultural sciences
Agricultural and horticultural plant breeding
Agricultural economics
Agronomy and crop science
Animal nutrition
Animal science, poultry or avian
Animal sciences, other
Food science
Food science and technology, other
Horticulture science
Plant pathology/ phytopathology (agricultural sciences)
Plant sciences, other
Soil chemistry/ microbiology
Soil sciences, other
Natural resources and conservation
Environmental science
Fishing and fisheries sciences/ management
Forest sciences and biology
Forest/ forest resources management
Forestry, other
Natural resource/ environmental policy
Natural resources/ conservation
Natural resources/ environmental economics (agricultural sciences)
Wildlife/ range management
Agricultural sciences/ natural resources, general
Agricultural sciences/ natural resources, other
Biological and biomedical sciences
Anatomy
Bacteriology
Biochemistry (biological sciences)
Bioinformatics
Biomedical sciences
Biometrics and biostatistics
Biophysics (biological sciences)
Biotechnology
Botany/ plant biology
Cancer biology
Cell/ cellular biology and histology
Computational biology
Developmental biology/ embryology
Ecology
Endocrinology
Entomology
Environmental toxicology
Epidemiology
Evolutionary biology
Genetics/ genomics, human and animal
Immunology

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Aggregated field name and constituent fields
Microbiology
Molecular biology
Molecular medicine
Neurosciences and neurobiology
Nutrition sciences
Parasitology
Pathology, human and animal
Pharmacology, human and animal
Physiology, human and animal
Plant genetics
Plant pathology and phytopathology (biological sciences)
Plant physiology
Structural biology
Toxicology
Virology
Wildlife biology
Zoology
Biological/ biomedical sciences, general
Biological/ biomedical sciences, other
Computer and information sciences
Computer science
Information science and systems
Computer and information sciences, general
Computer and information sciences, other
Engineering
Aerospace, aeronautical, and astronautical engineering
Bioengineering and biomedical engineering
Chemical engineering
Civil engineering
Electrical, electronics, and communications engineering
Industrial and manufacturing engineering
Materials science engineering
Mechanical engineering
Other engineering
Agricultural engineering
Communications engineering
Computer engineering
Engineering management and administration
Engineering mechanics
Engineering physics
Engineering science
Environmental/ environmental health engineering
Geotechnical and geoenvironmental engineering
Metallurgical engineering
Nuclear engineering
Ocean engineering
Operations research (engineering)
Petroleum engineering
Polymer and plastics engineering
Robotics

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Aggregated field name and constituent fields
Structural engineering
Systems engineering
Transportation and highway engineering
Engineering, general
Engineering, other
Geosciences, atmospheric sciences, and ocean sciences
Atmospheric science and meteorology
Atmospheric chemistry and climatology
Atmospheric physics and dynamics
Meteorology
Atmospheric science/ meteorology, general
Atmospheric science/ meteorology, other
Geological sciences
Geochemistry
Geology
Geomorphology and glacial geology
Geophysics and seismology
Mineralogy and petrology
Paleontology
Stratigraphy and sedimentation
Geological and earth sciences, general
Geological and earth sciences, other
Ocean and marine sciences
Hydrology and water resources
Marine biology and biological oceanography
Marine sciences
Oceanography, chemical and physical
Ocean/ marine sciences, other
Health sciences
Environmental health
Gerontology (health sciences)
Health and behavior
Health services research
Health systems administration
Kinesiology/ exercise science
Medical physics/ radiological science
Nursing science
Oral biology/ oral pathology
Pharmaceutical sciences
Public health
Rehabilitation/ therapeutic services
Speech-language pathology and audiology
Veterinary sciences
Health sciences, general
Health sciences, other
Mathematics and statistics
Algebra
Analysis and functional analysis
Applied mathematics
Computational mathematics

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Computing theory and practice
Geometry/ geometric analysis
Logic
Number theory
Operations research (mathematics)
Statistics (mathematics)
Topology/ foundations
Mathematics/ statistics, general
Mathematics/ statistics, other
Physical sciences
Astronomy and astrophysics
Astronomy
Astrophysics
Astronomy and astrophysics, other
Chemistry
Analytical chemistry
Chemical biology
Inorganic chemistry
Medicinal chemistry
Organic chemistry
Physical chemistry
Polymer chemistry
Theoretical chemistry
Chemistry, general
Chemistry, other
Physics
Acoustics
Applied physics
Atomic/ molecular/ chemical physics
Biophysics (physics)
Condensed matter/ low-temperature physics
Elementary particle physics
Nuclear physics
Optics and photonics
Plasma/ high-temperature physics
Polymer physics
Physics, general
Physics, other
Psychology
Behavioral analysis
Clinical psychology
Cognitive neuroscience
Cognitive psychology and psycholinguistics
Community psychology
Counseling
Developmental and child psychology
Educational psychology (psychology)
Experimental psychology
Family psychology
Health and medical psychology

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Human development and family studies
Industrial and organizational psychology
Marriage and family therapy/ counseling
Neuropsychology/ physiological psychology
Personality psychology
Psychometrics and quantitative psychology
School psychology (psychology)
Social psychology
Psychology, general
Psychology, other
Social sciences
Anthropology
Anthropology, cultural
Anthropology, general
Anthropology, physical and biological
Economics
Econometrics
Natural resources/ environmental economics (social sciences)
Other economics
Political science and government
Sociology
Other social sciences
American/ U.S. studies
Applied linguistics
Archaeology (social sciences)
Area/ ethnic/ cultural studies
Criminal justice and corrections
Criminology
Demography/ population studies
Gender and women's studies
Geography
Gerontology (social sciences)
Health policy analysis
History, science and technology and society
International relations/ affairs
Linguistics
Public policy analysis
Statistics (social sciences)
Urban studies/ affairs
Urban, city, community and regional planning
Social sciences, general
Social sciences, other
Non-science and engineering
Business management and administration
Accounting
Business administration and management
Business/ managerial economics
Finance
Hospitality, food service and tourism management
Human resources development

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Aggregated field name and constituent fields
International business/ trade/ commerce
Management information systems/ business statistics
Marketing management and research
Operations research (business)
Organizational behavior
Business management/ administration, general
Business management/ administration, other
Education
Education administration
Educational administration and supervision
Educational and human resource studies/ development
Educational leadership
Urban education and leadership
Education research
Counseling education/ counseling and guidance
Curriculum and instruction
Educational assessment/ testing/ measurement
Educational policy analysis
Educational psychology (education)
Educational statistics/ research methods
Educational/ instructional media design
Educational/ instructional technology
Higher education evaluation and research
International education
Learning sciences
School psychology (education)
Social/ philosophical foundations of education
Special education
Teacher education
Adult and continuing teacher education
Elementary teacher education
Pre-elementary/ early childhood teacher education
Secondary teacher education
Teaching fields
Agricultural education
Art education
Bilingual and multilingual education
English as a second or foreign language
English education
Family and consumer/ human science education
Foreign languages education
Health education
Literacy and reading education
Mathematics education
Music education
Nursing education
Physical education and coaching
Science education
Social science education
Teacher education and professional development, other

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(Field)

Aggregated field name and constituent fields
Other education
Workforce education and development
Education, general
Education, other
Humanities and arts
Foreign languages and literature
Arabic language and literature
Chinese language and literature
French language and literature
Germanic language and literature
Italian language and literature
Japanese language and literature
Latin American languages and literature
Russian language and literature
Spanish language and literature
Foreign languages and literatures, other
History
African history
American history (U.S. and Canada)
Asian history
European history
Latin American history
Middle/ Near East history
History, general
History, other
Letters
American literature (U.S. and Canada)
Classics
Comparative literature
Creative writing
English language
English literature (British and Commonwealth)
Rhetoric and composition
Speech and rhetorical studies
Letters, general
Letters, other
Other humanities and arts
African American studies/ literature/ history
Archaeology (humanities)
Art history/ criticism/ conservation
Bible/ biblical studies
Dance
Drama/ theater arts/ performance studies
Ethics
Film/ cinema/ media studies
Jewish/ Judaic studies
Music
Music performance
Music theory and composition
Music, other

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Musicology/ ethnomusicology
Philosophy
Religion/ religious studies
Theology/ religious education
Humanities, general
Humanities, other
Other non-science and engineering
Communication
Communication research
Communication theory
Film, radio, TV and digital communication
Mass communication/ media studies
Communication, general
Communication, other
Non-science and engineering fields nec
Architecture/ environmental design
Family/ consumer sciences/ human sciences
Law
Library science
Parks/ sports/ recreation/ leisure/ fitness
Public administration
Social work
Other fields nec

nec = not elsewhere classified; SED = Survey of Earned Doctorates.

Note(s):

Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection; the new broad, major, and detailed fields were used in tables reporting only the most recent data year. The historical fields used to compare the 2021 data with prior years were constructed using the SED-CIP code crosswalk in SED 2021 related detailed table A-6. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information.

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2021.