

Research & Development Fields

R&D Subfields	Example Discipline
A Computer and Information Sciences	Artificial intelligence, Computer and information technology administration and management, Computer science, Computer software and media applications, Computer systems analysis, Computer systems networking and telecommunications, Data processing, Information sciences, studies, Information technology
B1 Engineering: Aerospace, Aeronautical, and Astronautical Engineering	Aerodynamics, Aerospace engineering, Space technology
B2 Engineering: Bioengineering and Biomedical Engineering	Biological and biosystems engineering, Biomaterials engineering, Biomedical technology, Medical engineering
B3 Engineering: Chemical Engineering	Biochemical engineering, Chemical and biomolecular engineering, Engineering chemistry, Paper science, Petroleum refining process, Polymer, plastics engineering
B4 Engineering: Civil Engineering	Architectural engineering, Construction engineering, Engineering management, administration, Environmental, environmental health engineering, Geotechnical and geoenvironmental engineering, Sanitary engineering, Structural engineering, Surveying engineering, Transportation and highway engineering, Water resources engineering
B5 Engineering: Electrical, Electronic, and Communications Engineering	Communications engineering, Computer engineering, Computer hardware engineering, Computer software engineering, Electrical and electronics engineering, Laser and optical engineering, Power, Telecommunications engineering
B6 Engineering: Industrial and Manufacturing Engineering	Industrial engineering, Manufacturing engineering, Operations research, Systems engineering

B7 Engineering: Mechanical Engineering	Electromechanical engineering, Mechatronics, robotics, and automation engineering
B8 Engineering: Metallurgical and Materials Engineering	Ceramic sciences and engineering, Geophysical, geological engineering, Materials engineering, Metallurgical engineering, Mining and mineral engineering, Textile sciences and engineering, Welding
B9 Engineering: Other Engineering	Agricultural engineering, Engineering design, Engineering mechanics, physics, and science, Engineering physics, Engineering science, Forest engineering, Nanotechnology, Naval architecture and marine engineering, Nuclear engineering, Ocean engineering, Petroleum engineering
C1 Geosciences, Atmospheric, and Ocean Sciences: Atmospheric Science and Meteorology	Aeronomy, Atmospheric chemistry and climatology, Atmospheric physics and dynamics, Extraterrestrial atmospheres, Meteorology, Solar, Weather modification
C2 Geosciences, Atmospheric, and Ocean Sciences: Geological and Earth Sciences	Earth and planetary sciences, Geochemistry, Geodesy and gravity, Geology, Geomagnetism, Geophysics and seismology, Hydrology and water resources, Mineralogy and petrology, Paleomagnetism, Paleontology, Physical geography, Stratigraphy and sedimentation, Surveying
C3 Geosciences, Atmospheric, and Ocean Sciences: Ocean Sciences and Marine Sciences	Biological oceanography, Geological oceanography, Marine biology, Marine oceanography, Marine sciences, Oceanography, chemical and physical
D1 Life Sciences: Agricultural Sciences	Agricultural business and management, Agricultural chemistry, Agricultural production operations, Animal sciences, Food science and technology, Plant sciences, Soil sciences, Veterinary medicine, Wood science
D2 Life Sciences: Biological and Biomedical Sciences	Allergies and immunology, Biochemistry, biophysics, and molecular biology, Biomathematics, bioinformatics, and computational biology, Biotechnology, Botany and plant biology, Cell and cellular biology, Epidemiology, Genetics, Microbiological sciences and immunology,

	Neurobiology and neuroscience, Pharmacology and toxicology, Physiology and pathology, Zoology
D3 Life Sciences: Health Sciences	Clinical medicine research, Dentistry, Gerontology, health sciences, Kinesiology, Medicine, Mental health, Nursing, Pharmacy, Public health, Radiological science, Rehabilitation sciences
D4 Life Sciences: Natural Resources and Conservation	Fishing and fisheries sciences, Forestry, Natural resources management, Renewable natural resources, Wildlife science
E Mathematics and Statistics: Mathematics and Statistics	Applied mathematics, Mathematics, Statistics
F1 Physical Sciences: Astronomy and Astrophysics	Astronomy, Astrophysics, Planetary astronomy and science
F2 Physical Sciences: Chemistry	Analytical chemistry, Chemical physics, Environmental chemistry, Inorganic chemistry, Organic chemistry, Physical chemistry, Polymer chemistry, Theoretical chemistry
F3 Physical Sciences: Materials Science	Materials chemistry, Materials science
F4 Physical Sciences: Physics	Acoustics, Atomic, molecular physics, Condensed matter physics, Elementary particle physics, Nuclear physics, Optics, Plasma physics, Theoretical physics
G Psychology: Psychology	Clinical psychology, Counseling and applied psychology, Human development, Research and experimental psychology
H1 Social Sciences: Anthropology	Cultural anthropology, Medical anthropology, Physical and biological anthropology
H2 Social Sciences: Economics	Agricultural economics, Applied economics, Econometrics, International economics, Labor economics, Public finance
H3 Social Sciences: Political Science and Government	Comparative government, Political economy, Political theory, Legal systems

H4 Social Sciences: Sociology, Demography, and Population Studies	Demography, Rural sociology, Social welfare theory, Sociology
H5 Social Sciences: Other Social Sciences	Archeology, Criminology, Geography, International relations, Linguistics, Public policy analysis, Urban studies
I Other Sciences: Other Sciences	Multidisciplinary or interdisciplinary S&E R&D
J1 Non-Science and Engineering Fields: Business Management and Business Administration	Business administration, Marketing management, Management information systems
J2 Non-Science and Engineering Fields: Communication and Communications Technologies	Communication and media studies, Journalism, Digital communication
J3 Non-Science and Engineering Fields: Education	Education research, Teacher education, Education administration
J4 Non-Science and Engineering Fields: Humanities	History, Philosophy, Foreign languages, Religious studies
J5 Non-Science and Engineering Fields: Law	Law, Legal studies
J6 Non-Science and Engineering Fields: Social Work	Social work research
J7 Non-Science and Engineering Fields: Visual and Performing Arts	Music, Fine arts, Theatre, Film
J8 Non-Science and Engineering Fields: Other Non-S&E Fields	Architecture, Urban planning, Library science, Public administration