**Appendix H.1: Research Disciplines**

**RESPONDENT FIRST SELECTS A GENERAL AREA:**

* **Natural Sciences/Mathematics** (Biological/Life; Chemical; Computer/Information sciences; Environmental sciences; Earth, Atmospheric & Oceanographic sciences; Geosciences, Mathematical/Statistical sciences; Physics; Psychology)
* **Social Sciences** (Economics, Sociology, Anthropology/Archaeology, Political Science, Geography, Linguistics, other)
* **Engineering** (Biochemical engineering, Chemical engineering, Civil engineering, etc.)

**After selecting one of the general areas, respondent selects one of the FIELDS from the LEFT column (subfields are shown to assist respondents in making a selection)**

**NATURAL SCIENCES**

|  |  |  |
| --- | --- | --- |
| **Field** | **Subfield** |  |
| **Agricultural/food sciences** | * Animal sciences
 | * Plant sciences
 |
|  | * Food sciences/technology
 | * OTHER agricultural sciences
 |
| **Biological sciences** *Bioengineering, see* *ENGINEERING, next page* | * Biochemistry/biophysics
 | * Microbiological sciences/immunology
 |
| * Biology, general
 | * Nutritional sciences
 |
| * Botany
 | * Pharmacology, human/animal
 |
| * Cell/molecular biology
 | * Physiology and pathology,
 |
| * Ecology
 |  human/animal |
| * Genetics, animal/plant
 | * Zoology, general
 |
|  |  | * OTHER Biological sciences
 |
| **Environmental life sciences** | * Environmental science/studies
 | * Forestry sciences
 |
| **Computer and information sciences** *For Computer Engineering, see ENGINEERING, next page* | * Computer/information
 | * Computer systems analysis
 |
|  sciences, general | * Information services/systems
 |
| * Computer programming
 | * OTHER computer/information sciences
 |
| * Computer science
 |  |
| **Mathematics and statistics** | * Applied mathematics
 | * Statistics
 |
| * Mathematics, general
 | * OTHER mathematics
 |
| * Operations research
 |  |
| **Chemistry** *For biochemistry, see Biological sciences* | * Chemistry except biochemistry (*biochemistry, see Biological sciences*)
 |
| **Earth, atmospheric, and**  | * Atmospheric
 | * Geological sciences, other
 |
| **ocean sciences**  |  sciences/meteorology | * Oceanography
 |
| * Earth sciences
 | * OTHER physical sciences
 |
| * Geology
 |  |
| **Physics** *Biophysics, see Biological Sciences* | * Astronomy/astrophysics
 | * Physics
 |
| **Psychology** | * Clinical psychology
 | * General psychology
 |
| * Counseling
 | * Industrial/organizational psychology
 |
| * Educational psychology
 | * Social psychology
 |
| * Experimental psychology
 | * OTHER psychology
 |

**ENGINEERING**

|  |
| --- |
| **Biochemical engineering**, *see Bioengineering/biomedical under OTHER Engineering* |
| **Chemical engineering** | * Chemical engineering
 |  |
| **Civil/architectural eng.** | * Architectural engineering
 | * Civil engineering
 |
| **Electrical/computer engineering** | * Computer/systems engineering
 | * Electrical/electronics/communications
 |
|  |  engineering |
| **Industrial engineering** | * Industrial/manufacturing engineering
 |
| **Mechanical engineering** | * Mechanical engineering
 |  |
| **OTHER engineering** | * Aerospace/aeronautical/
 | * Geophysical/geological engineering
 |
|  astronautical engineering | * Materials engineering, including
 |
| * Agricultural engineering
 |  ceramics/textiles |
| * Bioengineering/biomedical
 | * Metallurgical engineering
 |
|  engineering | * Mining/minerals engineering
 |
| * Engineering, general
 | * Naval architecture/marine engineering
 |
| * Engineering sciences/
 | * Nuclear engineering
 |
|  mechanics/physics | * Petroleum engineering
 |
| * Environmental engineering
 | * OTHER engineering
 |

**SOCIAL SCIENCES**

|  |  |  |
| --- | --- | --- |
| **Economics** | * Agricultural economics
 | * Economics
 |
| **Political and related** **sciences** | * International relations
 | * Public policy studies
 |
| * Political science/government
 |  |
| **Sociology/Anthropology** | * Anthropology/archaeology
 | * Sociology
 |
| * Criminology
 |  |
| **OTHER social sciences** | * Area/ethnic studies
 | * Linguistics
 |
| * Education, general
 | * Philosophy of science
 |
| * Geography
 | * OTHER social sciences
 |
| * History of science
 |  |

*Source: SESTAT education codes in NSRCG major fields*