# NSF Codes

## Examples of Disciplines: Computer and Information Sciences and Engineering Fields of R&D

<table>
<thead>
<tr>
<th>A. Computer and Information Sciences</th>
<th>B. Engineering</th>
<th>C. Geosciences, Atmospheric Sciences, and Ocean Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artificial intelligence</td>
<td>1. Aerospace, Aeronautical, and Astronautical Engineering</td>
<td>1. Atmospheric Science and Meteorology</td>
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<tr>
<td>Computer and information technology administration and management</td>
<td>Aerodynamics</td>
<td>Aeronomy</td>
</tr>
<tr>
<td>Computer science</td>
<td>Aerospace engineering</td>
<td>Atmospheric chemistry and climatology</td>
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<tr>
<td></td>
<td>Space technology</td>
<td>Atmospheric physics and dynamics</td>
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<tr>
<td></td>
<td>2. Bioengineering and Biomedical Engineering</td>
<td>Extraterrestrial atmospheres</td>
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<tr>
<td></td>
<td>Biological and biosystems engineering</td>
<td>Meteorology</td>
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<tr>
<td></td>
<td>Biomaterials engineering</td>
<td>Solar</td>
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<td></td>
<td>Biomedical technology</td>
<td>Weather modification</td>
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<td></td>
<td>Medical engineering</td>
<td>2. Geological and Earth Sciences</td>
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<tr>
<td></td>
<td>3. Chemical Engineering</td>
<td>Earth and planetary sciences</td>
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<tr>
<td></td>
<td>Biochemical engineering</td>
<td>Geochemistry</td>
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<tr>
<td></td>
<td>Chemical and biomolecular engineering</td>
<td>Geodesy and gravity</td>
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<tr>
<td></td>
<td>Engineering chemistry</td>
<td>Geology</td>
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<td></td>
<td>Paper science</td>
<td>Geomagnetism</td>
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<tr>
<td></td>
<td>Petroleum refining process</td>
<td>Geophysics and seismology</td>
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<tr>
<td></td>
<td>Polymer, plastics engineering</td>
<td>Hydrology and water resources</td>
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<td></td>
<td>3. Ocean Sciences and Marine Sciences</td>
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<tr>
<td></td>
<td>Biological oceanography</td>
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<tr>
<td></td>
<td>Geological oceanography</td>
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<tr>
<td></td>
<td>Marine biology</td>
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<td></td>
<td>Marine oceanography</td>
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<tr>
<td></td>
<td>Marine sciences</td>
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<tr>
<td></td>
<td>Oceanography, chemical and physical</td>
<td></td>
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<tr>
<td></td>
<td>Surveying</td>
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</tr>
</tbody>
</table>

## Examples of Disciplines: Geosciences, Atmospheric Sciences, and Ocean Sciences Fields of R&D

<table>
<thead>
<tr>
<th>2. Geological and Earth Sciences</th>
<th>3. Ocean Sciences and Marine Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth and planetary sciences</td>
<td>Biological oceanography</td>
</tr>
<tr>
<td>Geochemistry</td>
<td>Geological oceanography</td>
</tr>
<tr>
<td>Geodesy and gravity</td>
<td>Marine biology</td>
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<td>Geology</td>
<td>Marine oceanography</td>
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<td>Geomagnetism</td>
<td>Marine sciences</td>
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<tr>
<td>Geophysics and seismology</td>
<td>Oceanography, chemical and physical</td>
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<tr>
<td>Hydrology and water resources</td>
<td>Surveying</td>
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<tr>
<td>Mineralogy and petrology</td>
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</table>
## Examples of Disciplines: Life Sciences Fields of R&D

<table>
<thead>
<tr>
<th>1. Agricultural Sciences</th>
<th>Biomathematics, bioinformatics, and computational biology</th>
<th>Communication disorders sciences and services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural business and management</td>
<td>Biotechnology</td>
<td>Dentistry</td>
</tr>
<tr>
<td>Agricultural chemistry</td>
<td>Botany and plant biology</td>
<td>Dietetics and clinical nutrition services</td>
</tr>
<tr>
<td>Agricultural economics</td>
<td>Cell, cellular biology, and anatomical sciences</td>
<td>Health and medical administrative services</td>
</tr>
<tr>
<td>Agricultural engineering—report in Engineering</td>
<td>Epidemiology, ecology and population biology</td>
<td>Health, medical preparatory programs</td>
</tr>
<tr>
<td>Agricultural production operations</td>
<td>Genetics</td>
<td>Gerontology, health sciences</td>
</tr>
<tr>
<td>Animal sciences</td>
<td>Microbiological sciences and immunology</td>
<td>Kinesiology and exercise science</td>
</tr>
<tr>
<td>Applied horticulture and horticultural business services</td>
<td>Molecular medicine</td>
<td>Medical clinical science, graduate medical studies</td>
</tr>
<tr>
<td>Aquaculture</td>
<td>Neurobiology and neuroscience</td>
<td>Medical illustration and informatics</td>
</tr>
<tr>
<td>Food science and technology</td>
<td>Pharmacology and toxicology</td>
<td>Medicine</td>
</tr>
<tr>
<td>International agriculture</td>
<td>Physiology, pathology and related sciences</td>
<td>Mental health</td>
</tr>
<tr>
<td>Plant sciences</td>
<td>Zoology, animal biology</td>
<td>Nursing</td>
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<tr>
<td>Soil sciences</td>
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<td>Optometry</td>
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<tr>
<td>Wood science</td>
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<td>Osteopathic medicine, osteopathy</td>
</tr>
</tbody>
</table>

### 3. Health Sciences
- Advanced, graduate dentistry and oral sciences
- Allied health and medical assisting services
- Bioethics, medical ethics
- Clinical medicine research
- Clinical/medical laboratory science/research and allied professions

### 4. Natural Resources and Conservation
- Fishing and fisheries sciences and management
- Forestry
- Natural resources conservation and research
- Natural resources economics
- Natural resources management and policy
- Renewable natural resources
- Wildlife and wildlife science and management

### 5. Other Life Sciences
- Other life sciences that cannot be classified using the fields listed above

## Examples of Disciplines: Mathematics and Statistics, Physical Sciences, and Psychology Fields of R&D

### E. Mathematics and Statistics

<table>
<thead>
<tr>
<th>Applied mathematics</th>
<th>Mathematics</th>
<th>Statistics</th>
</tr>
</thead>
</table>

### F. Physical Sciences

1. **Astronomy and Astrophysics**
   - Astronomy
   - Astrophysics
   - Planetary astronomy and science

2. **Chemistry**
   - (except Biochemistry—report in Biological and Biomedical Sciences)
   - Analytical chemistry
   - Chemical physics
   - Environmental chemistry
   - Forensic chemistry
   - Inorganic chemistry
   - Organic chemistry
   - Organometallic chemistry
   - Physical chemistry
   - Polymer chemistry
   - Theoretical chemistry

3. **Materials Science**
   - Materials chemistry
   - Materials science

4. **Physics**
   - Acoustics
   - Atomic, molecular physics
   - Condensed matter and materials physics
   - Elementary particle physics
   - Mathematical physics
   - Nuclear physics
   - Optics, optical sciences
   - Plasma, high-temperature physics
   - Theoretical physics

5. **Other Physical Sciences**
   - Other physical sciences that cannot be classified using the fields listed above

### G. Psychology

<table>
<thead>
<tr>
<th>Clinical psychology</th>
<th>Counseling and applied psychology</th>
<th>Human development</th>
<th>Research and experimental psychology</th>
</tr>
</thead>
</table>

- Registered nursing, nursing administration, nursing research and clinical nursing
- Rehabilitation and therapeutic professions
- Veterinary biomedical and clinical sciences
- Veterinary medicine
- Zoology
### Examples of Disciplines: Social Sciences and Other Sciences Fields of R&D

#### H. Social Sciences

1. Anthropology
   - Cultural anthropology
   - Medical anthropology
   - Physical and biological anthropology

2. Economics
   - Applied economics
   - Business development
   - Development economics and international development
   - Econometrics and quantitative economics
   - Industrial economics
   - International economics
   - Labor economics
   - Managerial economics
   - Public finance and fiscal policy

3. Political Science and Government
   - Comparative government
   - Government
   - Legal systems
   - Political economy
   - Political science
   - Political theory

4. Sociology, Demography, and Population Studies
   - Comparative and historical sociology
   - Complex organizations
   - Cultural and social structure
   - Demography and population studies
   - Group interactions
   - Rural sociology
   - Social problems and welfare
   - Theory
   - Sociology

5. Other Social Sciences
   - Archaeology
   - Area, ethnic, cultural, gender, and group studies
   - Cartography
   - Criminal science and corrections
   - Criminology
   - Geography
   - Gerontology, social sciences
   - International relations and national security studies
   - Linguistics
   - Public policy analysis
   - Regional studies
   - Urban studies, affairs

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### Examples of Disciplines: Non-S&E Fields of R&D

#### J. Non-S&E Fields

1. Business
   - Management and Administration
     - Business administration
     - Business management
     - Business, managerial economics
     - Management information systems and services
     - Marketing management and research

2. Communication and Communications Technologies
   - Communication and media studies
   - Communications technologies
   - Journalism
   - Radio, television, and digital communication

3. Education
   - Education administration and supervision
   - Education research
   - Teacher education, specific levels and methods
   - Teaching fields

4. Humanities
   - English language and literature, letters
   - Foreign languages and literatures
   - History, including history and philosophy of science and technology
   - Humanities, general
   - Liberal arts and sciences
   - Philosophy and religious studies
   - Theology and religious vocations

5. Law
   - Law
   - Legal studies

6. Social Work
   - (no specific examples)

7. Visual and Performing Arts
   - Drama, theatre arts and stagecraft
   - Film, video, and photographic arts
   - Fine and studio arts
   - Music

8. Other Non-S&E Fields
   - Architecture
   - City, urban, community and regional planning
   - Family, consumer sciences and human sciences
   - Foods, nutrition, and wellness studies
   - Landscape architecture
   - Library science
   - Military technology and applied science
   - Parks, sports, recreation, fitness and wellness studies
   - Public administration and public affairs
   - Other non-S&E fields that cannot be classified using the fields listed above
   - Also, use this category for R&O that involves multiple non-S&E fields if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.