# 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>Aerospace, Aeronautical, and Astronautical Engineering</td>
<td>Atmospheric Science and Meteorology</td>
</tr>
<tr>
<td>Computer and information technology administration and management</td>
<td>Aerospace engineering</td>
<td>Aeronomy</td>
</tr>
<tr>
<td>Computer science</td>
<td>Space technology</td>
<td>Atmospheric chemistry and climatology</td>
</tr>
<tr>
<td>Computer software and media applications</td>
<td>Biomedical and Biomedical Engineering</td>
<td>Atmospheric physics and dynamics</td>
</tr>
<tr>
<td>Computer systems analysis</td>
<td>Biological and biosystems engineering</td>
<td>Extraterrestrial atmospheres</td>
</tr>
<tr>
<td>Computer systems networking and telecommunications</td>
<td>Biomaterials engineering</td>
<td>Meteorology</td>
</tr>
<tr>
<td>Data processing</td>
<td>Medical engineering</td>
<td>Solar</td>
</tr>
<tr>
<td>Information sciences, studies</td>
<td>Chemical Engineering</td>
<td>Weather modification</td>
</tr>
<tr>
<td>Information technology</td>
<td>Biochemical engineering</td>
<td></td>
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<tr>
<td></td>
<td>Chemical and biomolecular engineering</td>
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<td></td>
<td>Engineering chemistry</td>
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<td></td>
<td>Paper science</td>
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<td></td>
<td>Petroleum refining process</td>
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<tr>
<td></td>
<td>Polymer, plastics engineering</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>1. Atmospheric Science and Meteorology</th>
<th>2. Geological and Earth Sciences</th>
<th>3. Ocean Sciences and Marine Sciences</th>
<th>4. Other Geosciences, Atmospheric Sciences, and Ocean Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronomy</td>
<td>Earth and planetary sciences</td>
<td>Biological oceanography</td>
<td>Other fields that cannot be classified using the fields listed above</td>
</tr>
<tr>
<td>Atmospheric chemistry and climatology</td>
<td>Geochemistry</td>
<td>Geological oceanography</td>
<td></td>
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<tr>
<td>Atmospheric physics and dynamics</td>
<td>Geodesy and gravity</td>
<td>Marine biology</td>
<td></td>
</tr>
<tr>
<td>Extraterrestrial atmospheres</td>
<td>Geology</td>
<td>Marine oceanography</td>
<td></td>
</tr>
<tr>
<td>Meteorology</td>
<td>Geomagnetism</td>
<td>Marine sciences</td>
<td></td>
</tr>
<tr>
<td>Solar</td>
<td>Geophysics and seismology</td>
<td>Oceanography, chemical and physical</td>
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<tr>
<td>Weather modification</td>
<td>Hydrology and water resources</td>
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<tr>
<td></td>
<td>Mineralogy and petrology</td>
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<td></td>
<td>Paleontology</td>
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<td></td>
<td>Physical geography</td>
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<td></td>
<td>Stratigraphy and sedimentation</td>
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<td>Surveying</td>
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</tbody>
</table>

## 5. Electrical, Electronic, and Communications Engineering |

- Architectural engineering
- Construction engineering
- Engineering management
- Environmental, environmental health engineering
- Geotechnical and geoenvironmental engineering
- Sanitary engineering
- Structural engineering
- Surveying engineering
- Transportation and highway engineering
- Water resources engineering
- Communication engineering
- Computer engineering
- Computer hardware engineering
- Computer software engineering
- Electrical and electronics engineering
- Laser and optical engineering
- Power engineering
- Telecom communications engineering
- Ceramic sciences and engineering
- Geophysical, geological engineering
- Materials engineering
- Metallurgical engineering
- Mining and mineral engineering
- Textile sciences and engineering
- Welding

Other engineering fields that cannot be classified using the fields listed above
## Examples of Disciplines: Life Sciences Fields of R&D

### D. Life Sciences

1. **Agricultural Sciences**
   - Agricultural business and management
   - Agricultural chemistry
   - Agricultural economics
   - Agricultural engineering
   - Agricultural production operations
   - Animal sciences
   - Applied horticulture and horticultural business services
   - Aquaculture
   - Food science and technology
   - International agriculture
   - Plant sciences
   - Soil sciences
   - Wood science

2. **Biological and Biomedical Sciences**
   - Allergies and immunology
   - Biochemistry, biophysics, and molecular biology
   - Biogeography
   - Biology and biomedical sciences, general
   - Biomechanics, bioinformatics, and computational biology
   - Biotechnology
   - Botany and plant biology
   - Cell, cellular biology, and anatomical sciences
   - Epidemiology, ecology and population biology
   - Genetics
   - Microbiological sciences and immunology
   - Molecular medicine
   - Neurobiology and neuroscience
   - Pharmacology and toxicology
   - Physiology, pathology and related sciences
   - Zoology, animal biology

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 wildlands 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

- **Mathematics**
- **Statistics**

### F. Physical Sciences

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

2. **Chemistry**
   - 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

- **Clinical psychology**
- **Counseling and applied psychology**
- **Human development**
- **Research and experimental psychology**
### 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  
   - Archeology  
   - 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

### I. Other Sciences

*Use this category for R&D that involves at least one S&E field (rows A–H) if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.*

### 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  
   - 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&D that involves multiple non-S&E fields if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.