

## NSF Approved STEM Fields

### CHEMISTRY

Chemical Catalysis  
Chemical Measurement and Imaging  
Chemical Structure, Dynamics, and Mechanism  
Chemical Synthesis  
Chemical Theory, Models and Computational Methods  
Chemistry of Life Processes  
Environmental Chemical Systems  
Macromolecular, Supramolecular, and Nanochemistry  
Sustainable Chemistry  
Chemistry, other (specify)

### COMPUTER AND INFORMATION SCIENCE AND ENGINEERING (CISE)

Algorithms and Theoretical Foundations  
Communication and Information Theory  
Computational Science and Engineering  
Computer and Information Security  
Computer Architecture  
Computer Systems, Networking, and Embedded Systems  
Databases  
Data Mining and Information Retrieval  
Graphics and Visualization  
Human Computer Interaction  
Informatics  
Machine Learning  
Natural Language Processing  
Robotics and Computer Vision  
Software Systems and Software Engineering  
CISE, other (specify)

### ENGINEERING

Aeronautical and Aerospace  
Bioengineering  
Biomedical  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Electrical and Electronic  
Energy  
Environmental  
Industrial Engineering & Operations Research  
Materials  
Mechanical  
Nuclear  
Ocean  
Optical Engineering

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### **ENGINEERING (continued)**

Polymer  
Systems Engineering  
Engineering, other (specify)

### **GEOSCIENCES**

Atmospheric Chemistry  
Aeronomy  
Biogeochemistry  
Biological Oceanography  
Chemical Oceanography  
Climate and Large-Scale Atmospheric Dynamics  
Geobiology  
Geochemistry  
Geodynamics  
Geophysics  
Glaciology  
Hydrology  
Magnetospheric Physics  
Marine Biology  
Marine Geology and Geophysics  
Paleoclimate  
Paleontology and Paleobiology  
Petrology  
Physical and Dynamic Meteorology  
Physical Oceanography  
Sedimentary Geology  
Solar Physics  
Tectonics  
Geosciences, other (specify)

### **LIFE SCIENCES**

Biochemistry  
Biophysics  
Cell Biology  
Developmental Biology  
Ecology  
Environmental Science  
Evolutionary Biology  
Genetics  
Genomics  
Microbiology  
Molecular Biology  
Neurosciences  
Organismal Biology  
Physiology

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### **LIFE SCIENCES (continued)**

Proteomics  
Structural Biology  
Systematic Biology  
Life Sciences, other (specify)

### **MATERIALS RESEARCH**

Biomaterials  
Ceramics  
Chemistry of materials  
Electronic materials  
Materials theory  
Metallic materials  
Photonic materials  
Physics of materials  
Polymers  
Materials Research, other (specify)

### **MATHEMATICAL SCIENCES**

Algebra, Number Theory, and Combinatorics  
Analysis  
Applied Mathematics  
Biostatistics  
Computational and Data-enabled Science  
Computational Mathematics  
Computational Statistics  
Geometric Analysis  
Logic or Foundations of Mathematics  
Mathematical Biology  
Probability  
Statistics  
Topology  
Mathematics, other (specify)

### **PHYSICS AND ASTRONOMY**

Astronomy and Astrophysics  
Atomic, Molecular and Optical Physics  
Condensed Matter Physics  
Nuclear  
Particle Physics  
Physics of Living Systems  
Plasma  
Solid State  
Theoretical Physics  
Physics, other (specify)

## NSF Approved STEM Fields

### PSYCHOLOGY

Cognitive  
Cognitive Neuroscience  
Computational Psychology  
Developmental  
Experimental or Comparative  
Industrial/Organizational  
Neuropsychology  
Perception and Psychophysics  
Personality and Individual Differences  
Physiological  
Psycholinguistics  
Quantitative  
Social  
Psychology, other (specify)

### SOCIAL SCIENCES

Archaeology  
Biological Anthropology  
Cultural Anthropology  
Anthropology, other  
Communications  
Decision Making and Risk analysis  
Economics (except Business Administration)  
Geography  
History and Philosophy of Science  
International Relations  
Law and Social Science  
Linguistics  
Linguistic Anthropology  
Medical Anthropology  
Political Science  
Public Policy  
Science Policy  
Sociology (except Social Work)  
Urban and Regional Planning  
Social Sciences, other (specify)

### STEM EDUCATION AND LEARNING RESEARCH

Engineering Education  
Mathematics Education  
Science Education  
Technology Education  
STEM Education and Learning Research, other (specify)