Eligible Fields of Study

NSF Graduate Research Fellowship

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 SCIENCES & ENGINEERING

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

ENGINEERING

Aeronautical and Aerospace Engineering
Bioengineering
Biomedical Engineering
Chemical Engineering

Civil Engineering
Computer Engineering
Electrical and Electronic Engineering
Energy Engineering
Environmental Engineering
Industrial Engineering & Operations Research
Materials Engineering
Mechanical Engineering
Nuclear Engineering
Ocean Engineering
Optical Engineering
Polymer Engineering
Systems Engineering
Engineering, other (specify)

GEOSCIENCES

Aeronomy
Atmospheric Chemistry
Biogeochemistry
Biological Oceanography
Chemical Oceanography
Climate and Large-Scale Atmospheric Dynamics
Geobiology
Geochemistry
Geodynamics
Geomorphology
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
Bioinformatics and Computational Biology
Biophysics
Cell Biology
Developmental Biology
Ecology
Environmental Biology
Evolutionary Biology
Genetics
Genomics
Microbial Biology
Neurosciences
Organismal Biology
Physiology
Proteomics
Structural Biology
Systematics and Biodiversity
Systems and Molecular 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 & ASTRONOMY

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

PSYCHOLOGY

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

SOCIAL SCIENCES

Archaeology
Biological Anthropology
Communications
Cultural Anthropology
Decision Making and Risk Analysis
Economics
Geography

History and Philosophy of Science
International Relations
Law and Social Science
Linguistic Anthropology
Linguistics
Medical Anthropology
Political Science
Public Policy
Science Policy
Sociology
Urban and Regional Planning
Social Sciences, other (specify)

STEM EDUCATION AND LEARNING RESEARCH

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

Eligibility Statement

The following fields of study and research interests are ineligible: clinical practice, counseling, social work, patient-oriented research, epidemiological and medical behavioral studies, outcomes research, health services research, research aimed at changing health policy or standard of care, research involving community and other population-based medical intervention, biomedical research for which the goals are directly health-related (such as etiology, diagnosis or treatment of physical or mental disease, abnormality, or malfunction in humans and other animals), research using animal models of disease for developing or testing of drugs or other procedures for treatment of disease, and statistical modeling for which the purpose is diagnosis or epidemiology also are not eligible for support.

Some areas of bioengineering research directed at medical use are eligible, however. These include research projects in bioengineering to aid persons with disabilities or to diagnose or treat human disease, provided they apply engineering principles to problems in medicine while primarily advancing engineering knowledge.