

## **CHEMISTRY**

Artificial Intelligence  
Chemical Catalysis  
Chemical Measurement and Imaging  
Chemical Structure, Dynamics, and Mechanism  
Chemical Synthesis  
Chemical Theory, Models and Computational Methods  
Chemistry of Life Processes  
Computationally Intensive Research  
Environmental Chemical Systems  
Macromolecular (including Polymer Chemistry), Supramolecular, and  
Nanochemistry  
Other (specify)  
Quantum Information Science  
Sustainable Chemistry

## **COMPUTER AND INFORMATION SCIENCES & ENGINEERING**

Accessibility  
Algorithms and Theoretical Foundations  
Artificial Intelligence  
Augmented Reality/Virtual Reality, Graphics, and Visualization  
Bioinformatics and Bio-inspired Computing  
Communication and Information Theory  
Computationally Intensive Research  
Computer Architecture  
Computer Security and Privacy  
Computer Systems  
Computer Vision  
Cyber-Physical Systems and Embedded Systems  
Cybersecurity  
Data Science, Data Mining, Information Retrieval and Databases  
Electronic Design Automation and Design of Micro and Nano Computing Systems  
Fairness, Explainability, Accountability and Transparency in Analytics  
Formal Methods, Verification, and Programming Languages  
Human Computer Interaction  
Information Sciences  
Machine Learning  
Natural Language Processing

Other (specify)

Parallel, Distributed, and Cloud Computing

Quantum Information Science

Robotics

Scientific Computing

Social Computing

Software Engineering

Wired and Wireless Networking

## **ENGINEERING**

Aeronautical and Aerospace Engineering

Agricultural Engineering

Artificial Intelligence

Bioengineering

Biomedical Engineering

Chemical Engineering

Civil Engineering

Computationally Intensive Research

Computer Engineering (including Networking)

Cybersecurity

Data Science

Electrical and Electronic Engineering

Energy and Power Engineering

Environmental and/or Ecological Engineering

Industrial Engineering & Operations Research

Machine Learning

Manufacturing Engineering

Materials Science & Engineering (including Polymers, Ceramics, Semiconductors)

Mechanical Engineering

Microwave Electromagnetics Engineering

Nuclear Engineering

Ocean Maritime Engineering

Optical Engineering

Other (specify)

Quantum Engineering

Quantum Information Engineering

Quantum Information Science

Robotics, Control, Automation

Systems Engineering  
Wireless Engineering

## **GEOSCIENCES**

Aeronomy  
Artificial Intelligence  
Arctic-Antarctic  
Atmospheric Chemistry  
Biogeochemistry  
Biological Oceanography  
Chemical Oceanography  
Climate and Large-Scale Atmospheric Dynamics  
Coastal Marine Science  
Coastal Studies  
Computationally Intensive Research  
Earth System Science  
Environmental Science  
Geobiology  
Geochemistry  
Geochronology  
Geodynamics  
Geoinformatics  
Geology  
Geomorphology  
Geophysics  
Glaciology  
Heliospheric Physics  
Hydrology  
Magnetospheric Physics  
Marine Biology  
Marine Ecology  
Marine Geology and Geophysics  
Ocean Technology (ROVs, AUVs, sensors)  
Other (specify)  
Paleoclimate  
Paleontology and Paleobiology  
Petrology  
Physical and Dynamic Meteorology

Physical Oceanography  
Quantum Information Science  
Remote Sensing  
Sea Ice  
Sedimentary Geology  
Solar Physics  
Tectonics  
Volcanology

## **LIFE SCIENCES**

Artificial Intelligence  
Biochemistry  
Bioinformatics and Computational Biology  
Biophysics  
Cell Biology  
Computationally Intensive Research  
Developmental Biology  
Ecology  
Environmental Biology  
Evolutionary Biology  
Genetics  
Genomics  
Microbial Biology  
Neurosciences  
Organismal Biology  
Other (specify)  
Physiology  
Proteomics  
Quantum Information Science  
Structural Biology  
Systematics and Biodiversity  
Systems and Molecular Biology

## **MATERIALS RESEARCH**

Artificial Intelligence  
Biomaterials  
Ceramics  
Chemistry of Materials

Computationally Intensive Research  
Electronic Materials  
Materials Theory  
Metallic Materials  
Other (specify)  
Photonic Materials  
Physics of Materials  
Polymers  
Quantum Information Science

## **MATHEMATICAL SCIENCES**

Algebra, Number Theory, and Combinatorics  
Analysis  
Applied Mathematics  
Artificial Intelligence  
Biostatistics  
Computational and Data-enabled Science  
Computational Mathematics  
Computational Statistics  
Computationally Intensive Research  
Geometric Analysis  
Logic or Foundations of Mathematics  
Mathematical Biology  
Other (specify)  
Probability  
Quantum Information Science  
Statistics  
Topology

## **MEDICINE**

Medicine - Other

## **PHYSICS & ASTRONOMY**

Artificial Intelligence  
Astronomy and Astrophysics  
Atomic, Molecular and Optical Physics  
Computationally Intensive Research  
Condensed Matter Physics  
Nuclear Physics  
Other (specify)  
Particle Physics

Physics of Living Systems  
Plasma Physics  
Quantum Information Science  
Solid State Physics  
Theoretical Physics

## **PSYCHOLOGY**

Artificial Intelligence  
Cognitive Neuroscience  
Cognitive Psychology  
Comparative Psychology  
Computational Psychology  
Computationally Intensive Research  
Developmental Psychology  
Industrial/Organizational Psychology  
Neuropsychology  
Other (specify)  
Perception and Psychophysics  
Physiological Psychology  
Psycholinguistics  
Quantitative Psychology  
Quantum Information Science