

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

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