THESE DISCIPLINES ARE INCLUDED IN THE 2020 CBL COMPETITION

DISCIPLINE DIVISION

Physical sciences and science technologies ................................................
  Physical sciences
  Astronomy
  Astrophysics
  Planetary astronomy and science
  Astronomy and astrophysics, other
  Atmospheric sciences and meteorology, general
  Atmospheric physics and dynamics
  Meteorology
  Atmospheric sciences and meteorology, other
  Chemistry, general
  Analytical chemistry
  Inorganic chemistry
  Organic chemistry
  Physical chemistry
  Polymer chemistry
  Chemical physics
  Environmental chemistry
  Theoretical chemistry
  Chemistry, other
  Geology/earth science, general
  Geochemistry
  Geophysics and seismology
  Paleontology
  Hydrology and water resources science
  Geochemistry and petrology
  Oceanography, chemical and physical
  Geological and earth sciences/geosciences, other
  Physics, general
  Atomic/molecular physics
  Elementary particle physics
  Nuclear physics
  Optics/optical sciences
  Condensed matter and materials physics
  Acoustics
  Theoretical and mathematical physics
  Physics, other
  Materials science
  Materials chemistry
  Materials sciences, other
  Physical sciences, other
2020 INCLUDED DISCIPLINES (CONTINUED)

DISCIPLINE DIVISION
Mathematics and statistics .................................................................
  Mathematics, general
  Analysis and functional analysis
  Topology and foundations
  Mathematics, other
  Applied mathematics, general
  Computational mathematics
  Computational and applied mathematics
  Financial mathematics
  Mathematical biology
  Applied mathematics, other
  Statistics, general
  Mathematical statistics and probability
  Mathematics and statistics
  Statistics, other
  Mathematics and statistics, other

DISCIPLINE DIVISION
Computer Sciences - Excludes IT, non-PhD fields, & business school-based majors
  Computer and information sciences, general (non-business school-based only)
    Artificial intelligence
  Computer programming/programmer, general
  Computer science
  Modeling, virtual environments and simulation
  Computer and information systems security/information assurance

DISCIPLINE DIVISION
Engineering and engineering technologies ..............................................
  Engineering
    Engineering, general
  Pre-engineering
  Aerospace, aeronautical and astronautical engineering
  Agricultural engineering
  Architectural engineering
  Bioengineering and biomedical engineering
  Ceramic sciences and engineering
  Chemical engineering
  Chemical and biomolecular engineering
  Chemical engineering, other
  Civil engineering, general
2020 INCLUDED DISCIPLINES (CONTINUED)

DISCIPLINE DIVISION

Engineering and engineering technologies (continued) ..........................................................
  Geotechnical and geoenvironmental engineering
  Structural engineering
  Transportation and highway engineering
  Water resources engineering
  Civil engineering, other
  Computer engineering, general
  Computer hardware engineering
  Computer software engineering
  Computer engineering, other
  Electrical and electronics engineering
  Laser and optical engineering
  Telecommunications engineering
  Electrical, electronics and communications engineering, other
  Engineering mechanics
  Engineering physics/applied physics
  Engineering science
  Environmental/environmental health engineering
  Materials engineering
  Mechanical engineering
  Metallurgical engineering
  Mining and mineral engineering
  Naval architecture and marine engineering
  Nuclear engineering
  Ocean engineering
  Petroleum engineering
  Systems engineering
  Textile sciences and engineering
  Polymer/plastics engineering
  Construction engineering
  Forest engineering
  Industrial engineering
  Manufacturing engineering
  Operations research
  Surveying engineering
  Geological/geophysical engineering
  Paper science and engineering
  Electromechanical engineering
  Mechatronics, robotics, and automation engineering
  Biochemical engineering
  Engineering chemistry
  Biological/biosystems engineering
2020 INCLUDED DISCIPLINES (CONTINUED)

DISCIPLINE DIVISION
Engineering and engineering technologies (continued) ..........................................................
   Engineering, other

DISCIPLINE DIVISION
Biological and biomedical sciences - PLEASE NOTE: Only the 5 subdisciplines below are INCLUDED; all other biological and biomedical sciences are EXCLUDED
   Biophysics
   *Biochemistry and Molecular Biology - SEE NOTE BELOW
   Bioinformatics
   Computational biology
   Biomathematics, bioinformatics, and computational biology, other

*NOTE: The subdiscipline "Biochemistry and Molecular Biology" together is included; however, "Biochemistry" alone and "Molecular Biology" alone are excluded. This is keeping with the NSF data that indicates that women are still underrepresented in the subdiscipline "Biochemistry and Molecular Biology," but not in the broader "Biochemistry" and "Molecular Biology" disciplines.

DISCIPLINES BELOW ARE EXCLUDED FROM THE 2020 CBL COMPETITION

DISCIPLINE DIVISION
Biological and biomedical sciences
   Biology/biological sciences, general
   Biomedical sciences, general
   *Biochemistry - SEE NOTE ABOVE
   *Molecular Biology - SEE NOTE ABOVE
   Molecular biochemistry
   Molecular biophysics
   Structural biology
   Radiation biology/radiobiology
   Biochemistry, biophysics and molecular biology, other
   Botany/plant biology
   Plant pathology/phytopathology
   Plant physiology
   Plant molecular biology
   Botany/plant biology, other
   Cell/cellular biology and histology
   Anatomy
   Developmental biology and embryology
   Cell/cellular and molecular biology
   Cell biology and anatomy
   Cell/cellular biology and anatomical sciences, other
2020 EXCLUDED DISCIPLINES (CONTINUED)
Microbiology, general
Medical microbiology and bacteriology
Virology

DISCIPLINE DIVISION

Biological and biomedical sciences (continued)
Parasitology
Immunology
Microbiology and immunology
Microbiological sciences and immunology, other
Zoology/animal biology
Entomology
Animal physiology
Animal behavior and ethology
Wildlife biology
Zoology/animal biology, other
Genetics, general
Molecular genetics
Animal genetics
Plant genetics
Human/medical genetics
Genome sciences/genomics
Genetics, other
Physiology, general
Molecular physiology
Cell physiology
Endocrinology
Reproductive biology
Cardiovascular science
Exercise physiology
Vision science/physiological optics
Pathology/experimental pathology
Oncology and cancer biology
Physiology, pathology, and related sciences, other
Pharmacology
Molecular pharmacology
Neuropharmacology
Toxicology
Molecular toxicology
Environmental toxicology
Pharmacology and toxicology
Biometry/biometrics
Biostatistics
2020 EXCLUDED DISCIPLINES (CONTINUED)

Biotechnology
Ecology
Marine biology and biological oceanography
Evolutionary biology

DISCIPLINE DIVISION

Biological and biomedical sciences (continued)
Aquatic biology/limnology
Environmental biology
Population biology
Conservation biology
Systematic biology/biological systematics
Epidemiology
Ecology and evolutionary biology
Ecology, evolution, systematics and population biology, other
Molecular medicine
Neuroscience
Neuroanatomy
Neurobiology and anatomy
Neurobiology and behavior
Neurobiology and neurosciences, other
Biological and biomedical sciences, other
Medical and Health Sciences not listed above are also EXCLUDED

DISCIPLINE DIVISION

Natural Resources and Conservation
Environmental science
Environmental studies

DISCIPLINE DIVISION

Social & Behavioral Sciences - All Social & Behavioral Sciences are EXCLUDED - e.g., Sociology, Anthropology, Archaeology, Psychology, Political Science, Economics, Linguistics, Human Geography,

IF, AFTER REVIEWING THIS LIST, YOU STILL HAVE QUESTIONS ABOUT INCLUDED/EXCLUDED DISCIPLINES (E.G., INTERDISCIPLINARY MAJORS/DEGREES) PLEASE CONTACT CBL PROGRAM STAFF