

THESE DISCIPLINES ARE INCLUDED IN THE 2021 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

2021 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

2021 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

2021 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

Biostatistics, 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 2021 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

2021 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

2021 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