

## THESE DISCIPLINES ARE INCLUDED IN THE 2018 CBL COMPETITION

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### DISCIPLINE DIVISION

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#### 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

## 2018 INCLUDED DISCIPLINES (CONTINUED)

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### DISCIPLINE DIVISION

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#### 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

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### DISCIPLINE DIVISION

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#### 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

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### DISCIPLINE DIVISION

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#### 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

## 2018 INCLUDED DISCIPLINES (CONTINUED)

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### DISCIPLINE DIVISION

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#### 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

## 2018 INCLUDED DISCIPLINES (CONTINUED)

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### DISCIPLINE DIVISION

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Engineering and engineering technologies (continued) .....

Engineering, other

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### DISCIPLINE DIVISION

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**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 2018 CBL COMPETITION

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### DISCIPLINE DIVISION

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**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

## 2018 EXCLUDED DISCIPLINES (CONTINUED)

Microbiology, general  
Medical microbiology and bacteriology  
Virology

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### **DISCIPLINE DIVISION**

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#### **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

## 2018 EXCLUDED DISCIPLINES (CONTINUED)

Biotechnology  
Ecology  
Marine biology and biological oceanography  
Evolutionary biology

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### DISCIPLINE DIVISION

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#### 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**

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### DISCIPLINE DIVISION

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**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) PLEASE CONTACT CBL PROGRAM STAFF**