

## NSF STEM Classification of Instructional Programs (2017-2018 WebAMP) - Expanded

### Agricultural Sciences

- 01.09 Animal Sciences
  - 01.0901 Animal Sciences, General
  - 01.0902 Agricultural Animal Breeding
  - 01.0903 Animal Health
  - 01.0904 Animal Nutrition
  - 01.0905 Dairy Science
  - 01.0906 Livestock Management
  - 01.0907 Poultry Science
  - 01.0999 Animal Sciences, Other
- 01.10 Food Science and Technology
  - 01.1001 Food Science
  - 01.1002 Food Technology and Processing
  - 01.1099 Food Science and Technology, Other
- 01.11 Plant Sciences
  - 01.1101 Plant Sciences, General
  - 01.1102 Agronomy and Crop Science
  - 01.1103 Horticultural Science
  - 01.1104 Agricultural and Horticultural Plant Breeding
  - 01.1105 Plant Protection and Integrated Pest Management
  - 01.1106 Range Science and Management
  - 01.1199 Plant Sciences, Other
- 01.12 Soil Sciences
  - 01.1201 Soil science and agronomy, general
  - 01.1202 Soil chemistry and physics
  - 01.1203 Soil microbiology
  - 01.1299 Soil sciences, other
- 01.99 Agriculture, Agriculture Operations and Related Sciences, Other

### Natural Resources and Conservation

- 03.01 Natural Resources Conservation and Research
  - 03.0101 Natural Resources/Conservation, General
  - 03.0103 Environmental studies
  - 03.0104 Environmental science
  - 03.0199 Natural resources conservation and research, other
- 03.02 Natural Resources Management and Policy
  - 03.0201 Natural Resources Management and Policy
  - 03.0204 Natural Resource Economics
  - 03.0205 Water, Wetlands, and Marine Resources Management
  - 03.0206 Land Use Planning and Management/Development
  - 03.0207 Natural Resource Recreation and Tourism
  - 03.0208 Natural Resources Law Enforcement and Protective Services
  - 03.0299 Natural Resources Management and Policy, Other
- 03.03 Fishing and Fisheries Sciences and Management
- 03.05 Forestry
  - 03.0501 Forestry, General
  - 03.0502 Forest Sciences and Biology
  - 03.0506 Forest Management/Forest Resources Management
  - 03.0508 Urban Forestry
  - 03.0509 Wood Science and Wood Products/Pulp and Paper Technology
  - 03.0510 Forest Resources Production and Management
  - 03.0511 Forest Technology/Technician
  - 03.0599 Forestry, Other



- 03.06 Wildlife and Wildlands Science and Management
- 03.99 Natural Resources and Conservation, Other

### **Architecture**

- 04.02 Architecture
- 04.04 Environmental Design
- 04.09 Architectural Sciences and Technology
  - 04.0901 Architectural Technology/Technician
  - 04.0902 Architectural and Building Sciences/Technology
  - 04.0999 Architectural Sciences and Technology, Other

### **Computer and Information Sciences**

- 11.01 Computer and Information Sciences, General
  - 11.0101 Computer and Information Sciences, General
  - 11.0102 Artificial Intelligence
  - 11.0103 Information Technology
  - 11.0104 Informatics
  - 11.0199 Computer and Information Sciences, Other
- 11.02 Computer Programming
  - 11.0201 Computer Programming/Programmer, General
  - 11.0202 Computer Programming, Specific Applications
  - 11.0203 Computer Programming, Vendor/Product Certification
  - 11.0299 Computer Programming, Other
- 11.04 Information Science/Studies
- 11.07 Computer Science
- 11.08 Computer Software and Media Applications
  - 11.0801 Web page, digital/multimedia and information resources design
  - 11.0802 Data modelling/warehousing and database administration
  - 11.0803 Computer graphics
  - 11.0804 Modeling, virtual environments and simulation
  - 11.0899 Computer software and media applications, other

### **Engineering**

- 14.01 Engineering, General
- 14.02 Aerospace, Aeronautical and Astronautical Engineering
- 14.03 Agricultural Engineering
- 14.04 Architectural Engineering
- 14.06 Ceramic Sciences and Engineering
- 14.07 Chemical Engineering
  - 14.0701 Chemical Engineering
  - 14.0702 Chemical and Biomolecular Engineering
  - 14.0799 Chemical Engineering, Other
- 14.08 Civil Engineering
  - 14.0801 Civil Engineering, General
  - 14.0802 Geotechnical and Geoenvironmental Engineering
  - 14.0803 Structural Engineering
  - 14.0804 Transportation and Highway Engineering
  - 14.0805 Water Resources Engineering
  - 14.0899 Civil Engineering, Other
- 14.09 Computer Engineering
  - 14.0901 Computer Engineering, General
  - 14.0902 Computer Hardware Engineering
  - 14.0903 Computer Software Engineering
  - 14.0999 Computer Engineering, Other

## **Engineering (cont.)**

- 14.10 Electrical, Electronics and Communications Engineering
  - 14.1001 Electrical and Electronics Engineering
  - 14.1003 Laser and Optical Engineering
  - 14.1004 Telecommunications Engineering
  - 14.1099 Electrical, Electronics and Communications Engineering, Other
- 14.11 Engineering Mechanics
- 14.12 Engineering Physics
- 14.13 Engineering Science
- 14.14 Environmental/Environmental Health Engineering
- 14.18 Materials Engineering
- 14.19 Mechanical Engineering
- 14.20 Metallurgical Engineering
- 14.21 Mining and Mineral Engineering
- 14.22 Naval Architecture and Marine Engineering
- 14.23 Nuclear Engineering
- 14.24 Ocean Engineering
- 14.25 Petroleum Engineering
- 14.27 Systems Engineering
- 14.28 Textile Sciences and Engineering
- 14.32 Polymer/Plastics Engineering
- 14.33 Construction Engineering
- 14.35 Industrial Engineering
- 14.36 Manufacturing Engineering
- 14.37 Operations Research
- 14.38 Surveying Engineering
- 14.39 Geological/Geophysical Engineering
- 14.40 Paper Science and Engineering
- 14.41 Electromechanical Engineering
- 14.42 Mechatronics, Robotics, and Automation Engineering.
- 14.43 Biochemical Engineering
- 14.44 Engineering Chemistry
- 14.45 Biological/Biosystems Engineering
- 14.99 Engineering, Other

## **Engineering Technologies**

- 15.00 Engineering Technology, General
- 15.10 Construction Engineering Technologies
- 15.11 Engineering-Related Technologies
  - 15.1102 Surveying Technology/Surveying
  - 15.1103 Hydraulics and Fluid Power Technology/Technician
  - 15.1199 Engineering-Related Technologies, Other
- 15.15 Engineering-Related Fields
  - 15.1501 Engineering/Industrial Management
  - 15.1502 Engineering Design
  - 15.1503 Packaging Science
  - 15.1599 Engineering-Related Fields, Other
- 15.16 Nanotechnology

## **Biological Sciences**

- 26.01 Biology, General
  - 26.0101 Biology/biological sciences, general
  - 26.0102 Biomedical sciences, general

## **Biological Sciences (cont.)**

- 26.02 Biochemistry, Biophysics and Molecular Biology
  - 26.0202 Biochemistry
  - 26.0203 Biophysics
  - 26.0204 Molecular biology
  - 26.0205 Molecular biochemistry
  - 26.0206 Molecular biophysics
  - 26.0207 Structural biology
  - 26.0208 Photobiology
  - 26.0209 Radiation biology/radiobiology
  - 26.0210 Biochemistry and molecular biology
  - 26.0299 Biochemistry/biophysics and molecular biology, other
- 26.03 Botany/Plant Biology
  - 26.0301 Botany/plant biology, general
  - 26.0305 Plant pathology/phytopathology
  - 26.0307 Plant physiology
  - 26.0308 Plant molecular biology
  - 26.0399 Botany/plant biology, other
- 26.04 Cell/Cellular Biology and Anatomical Sciences
  - 26.0401 Cell/cellular biology and histology
  - 26.0403 Anatomy
  - 26.0404 Developmental biology and embryology
  - 26.0406 Cell/cellular and molecular biology
  - 26.0407 Cell biology and anatomy
  - 26.0499 Cell/cellular biology and anatomical sciences, other
- 26.05 Microbiological Sciences and Immunology
  - 26.0502 Microbiology, general
  - 26.0503 Medical microbiology and bacteriology
  - 26.0504 Virology
  - 26.0505 Parasitology
  - 26.0506 Mycology
  - 26.0507 Immunology
  - 26.0508 Microbiology and immunology
  - 26.0599 Microbiological sciences and immunology, other
- 26.07 Zoology/Animal Biology
  - 26.0701 Zoology/animal biology, general
  - 26.0702 Entomology
  - 26.0707 Animal physiology
  - 26.0708 Animal behavior and ethology
  - 26.0709 Wildlife biology
  - 26.0799 Zoology/animal biology, other
- 26.08 Genetics
  - 26.0801 Genetics, general
  - 26.0802 Molecular genetics
  - 26.0803 Microbial and eukaryotic genetics
  - 26.0804 Animal genetics
  - 26.0805 Plant genetics
  - 26.0806 Human/medical genetics
  - 26.0807 Genome sciences/genomics
  - 26.0899 Genetics, other
- 26.09 Physiology, Pathology and Related Sciences
  - 26.0901 Physiology, general
  - 26.0902 Molecular physiology
  - 26.0903 Cell physiology
  - 26.0904 Endocrinology
  - 26.0905 Reproductive biology

## Biological Sciences (cont.)

- 26.0907 Cardiovascular science
- 26.0908 Exercise physiology
- 26.0909 Vision science/physiological optics
- 26.0910 Pathology/experimental pathology
- 26.0911 Oncology and cancer biology
- 26.0912 Aerospace physiology and medicine
- 26.0999 Physiology, pathology and related sciences, other
- 26.11 Biomathematics, Bioinformatics, and Computational Biology
  - 26.1101 Biometry/biometrics
  - 26.1102 Biostatistics
  - 26.1103 Bioinformatics
  - 26.1104 Computational biology
  - 26.1199 Biomathematics, bioinformatics, and computational biology, other
- 26.12 Biotechnology
- 26.13 Ecology, Evolution, Systematics, and Population Biology
  - 26.1301 Ecology
  - 26.1302 Marine biology and biological oceanography
  - 26.1303 Evolutionary biology
  - 26.1304 Aquatic biology/limnology
  - 26.1305 Environmental biology
  - 26.1306 Population biology
  - 26.1307 Conservation biology
  - 26.1308 Systematic biology/biological systematics
  - 26.1309 Epidemiology
  - 26.1310 Ecology and evolutionary biology
  - 26.1399 Ecology, evolution, systematics and population biology, other
- 26.15 Neurobiology and Neurosciences
  - 26.1501 Neuroscience
  - 26.1502 Neuroanatomy
  - 26.1503 Neurobiology and anatomy
  - 26.1504 Neurobiology and behavior
  - 26.1599 Neurobiology and neurosciences, other
- 26.99 Biological and Biomedical Sciences, Other

## Mathematics

- 27.01 Mathematics
  - 27.0101 Mathematics, General
  - 27.0102 Algebra and Number Theory
  - 27.0103 Analysis and Functional Analysis
  - 27.0104 Geometry/Geometric Analysis
  - 27.0105 Topology and Foundations
  - 27.0199 Mathematics, Other
- 27.03 Applied Mathematics
  - 27.0301 Applied mathematics, general
  - 27.0303 Computational mathematics
  - 27.0304 Computational and applied mathematics
  - 27.0305 Financial mathematics
  - 27.0306 Mathematical biology
  - 27.0399 Applied mathematics, other
- 27.05 Statistics
  - 27.0501 Statistics, General
  - 27.0502 Mathematical Statistics and Probability
  - 27.0503 Mathematics and Statistics
  - 27.0599 Statistics, Other
- 27.99 Mathematics and Statistics, Other

## Interdisciplinary Studies

- 30.01 Biological and Physical Sciences
- 30.06 Systems Science and Theory
- 30.08 Mathematics and Computer Science
- 30.10 Biopsychology
- 30.18 Natural Sciences
- 30.19 Nutrition Sciences
- 30.27 Human Biology
- 30.30 Computational Science
- 30.32 Marine Sciences

## Physical Sciences

- 40.01 Physical Sciences
- 40.02 Astronomy and Astrophysics
  - 40.0201 Astronomy
  - 40.0202 Astrophysics
  - 40.0203 Planetary Astronomy and Science
  - 40.0299 Astronomy and Astrophysics, Other
- 40.04 Atmospheric Sciences and Meteorology
  - 40.0401 Atmospheric sciences and meteorology, general
  - 40.0402 Atmospheric chemistry and climatology
  - 40.0403 Atmospheric physics and dynamics
  - 40.0404 Meteorology
  - 40.0499 Atmospheric sciences and meteorology, other
- 40.05 Chemistry
  - 40.0501 Chemistry, general
  - 40.0502 Analytical chemistry
  - 40.0503 Inorganic chemistry
  - 40.0504 Organic chemistry
  - 40.0506 Physical chemistry
  - 40.0507 Polymer chemistry
  - 40.0508 Chemical physics
  - 40.0509 Environmental chemistry
  - 40.0510 Forensic chemistry
  - 40.0511 Theoretical chemistry
  - 40.0599 Chemistry, other
- 40.06 Geological and Earth Sciences/Geosciences
  - 40.0601 Geology/Earth science, general
  - 40.0602 Geochemistry
  - 40.0603 Geophysics and seismology
  - 40.0604 Paleontology
  - 40.0605 Hydrology and water resources science
  - 40.0606 Geochemistry and petrology
  - 40.0607 Oceanography, chemical and physical
  - 40.0699 Geological and Earth sciences/geosciences, other
- 40.08 Physics
  - 40.0801 Physics, general
  - 40.0802 Atomic/molecular physics
  - 40.0804 Elementary particle physics
  - 40.0805 Plasma and high-temperature physics
  - 40.0806 Nuclear physics
  - 40.0807 Optics/optical sciences
  - 40.0808 Condensed matter and materials physics
  - 40.0809 Acoustics
  - 40.0810 Theoretical and mathematical physics
  - 40.0899 Physics, other

**Physical Sciences (cont.)**

- 40.10 Materials Science
  - 40.1001 Materials Science
  - 40.1002 Materials Chemistry
  - 40.1099 Materials Sciences, Other
- 40.99 Physical Sciences, Other

**Business and Management**

- 52.13 Management Sciences and Quantitative Methods, Other
  - 52.1301 Management science
  - 52.1302 Business statistics
  - 52.1304 Actuarial science
  - 52.1399 Management sciences and quantitative methods, other