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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>03.06</td>
<td>Wildlife and Wildlands Science and Management</td>
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<td>03.99</td>
<td>Natural Resources and Conservation, Other</td>
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**Architecture**

<table>
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<tr>
<td>04.02</td>
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<tr>
<td>04.04</td>
<td>Environmental Design</td>
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<td>Architectural Sciences and Technology</td>
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<td>04.0901</td>
<td>Architectural Technology/Technician</td>
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<tr>
<td>04.0902</td>
<td>Architectural and Building Sciences/Technology</td>
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**Computer and Information Sciences**

<table>
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<tr>
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<tr>
<td>11.01</td>
<td>Computer and Information Sciences, General</td>
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<td>11.0101</td>
<td>Computer and Information Sciences, General</td>
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<td>Computer and Information Sciences, Other</td>
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<td>Computer Programming</td>
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<td>Computer Programming/Programmer, General</td>
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<td>Computer Programming, Specific Applications</td>
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<td>11.0203</td>
<td>Computer Programming, Vendor/Product Certification</td>
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<td>11.04</td>
<td>Information Science/Studies</td>
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<td>11.07</td>
<td>Computer Science</td>
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<td>11.08</td>
<td>Computer Software and Media Applications</td>
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<tr>
<td>11.0801</td>
<td>Web page, digital/multimedia and information resources design</td>
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<tr>
<td>11.0802</td>
<td>Data modelling/warehousing and database administration</td>
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<tr>
<td>11.0803</td>
<td>Computer graphics</td>
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<tr>
<td>11.0804</td>
<td>Modeling, virtual environments and simulation</td>
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<tr>
<td>11.0899</td>
<td>Computer software and media applications, other</td>
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</tbody>
</table>

**Engineering**

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>14.01</td>
<td>Engineering, General</td>
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<tr>
<td>14.02</td>
<td>Aerospace, Aeronautical and Astronautical Engineering</td>
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<tr>
<td>14.03</td>
<td>Agricultural Engineering</td>
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<tr>
<td>14.04</td>
<td>Architectural Engineering</td>
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<td>14.06</td>
<td>Ceramic Sciences and Engineering</td>
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<td>14.07</td>
<td>Chemical Engineering</td>
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<td>14.0702</td>
<td>Chemical and Biomolecular Engineering</td>
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<td>14.08</td>
<td>Civil Engineering</td>
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<td>14.0801</td>
<td>Civil Engineering, General</td>
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<td>Geotechnical and Geoenvironmental Engineering</td>
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<td>14.0804</td>
<td>Transportation and Highway Engineering</td>
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<td>Water Resources Engineering</td>
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<td>14.0899</td>
<td>Civil Engineering, Other</td>
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<td>Computer Engineering</td>
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<td>14.0901</td>
<td>Computer Engineering, General</td>
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<tr>
<td>14.0902</td>
<td>Computer Hardware Engineering</td>
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<td>14.0903</td>
<td>Computer Software Engineering</td>
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<tr>
<td>14.0999</td>
<td>Computer Engineering, Other</td>
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</table>
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
   26.1301 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