

NSF STEM Classification of Instructional Programs (2023-24 WebAMP) - Expanded

Agriculture, Agriculture Operations, and Related 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.
 - 01.1003 Brewing Science.
 - 01.1004 Viticulture and Enology.
 - 01.1005 Zymology/Fermentation Science.
 - 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 Environmental/Natural Resources Management and Policy
 - 03.0201 Environmental/Natural Resources Management and Policy, General.
 - 03.0204 Environmental/Natural Resource Economics.
 - 03.0205 Water, Wetlands, and Marine Resources Management.

- 03.0206 Land Use Planning and Management/Development.
- 03.0207 Environmental/Natural Resource Recreation and Tourism.
- 03.0208 Environmental/Natural Resources Law Enforcement and Protective Services.
- 03.0209 Energy and Environmental Policy.
- 03.0210 Bioenergy.
- 03.0299 Environmental/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/Technician.
 - 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 and Related Services

- 04.02 Architecture
 - 04.0200 Pre-Architecture Studies.
 - 04.0201 Architecture.
 - 04.0202 Architectural Design.
 - 04.0299 Architecture, Other.
- 04.04 Environmental Design
 - 04.0401 Environmental Design/Architecture.
 - 04.0402 Healthcare Environment Design/Architecture.
 - 04.0403 Sustainable Design/Architecture.
 - 04.0499 Environmental Design, Other.
- 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 and Support Services

- 11.01 Computer and Information Sciences, General
 - 11.0101 Computer and Information Sciences, General.
 - 11.0102 Artificial Intelligence and Robotics.
 - 11.0103 Information Technology.
 - 11.0104 Informatics.
 - 11.0105 Human-Centered Technology Design.
 - 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.
 - 11.0204 Computer Game Programming.
 - 11.0205 Computer Programming, Specific Platforms.
 - 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 Modeling/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
 - 14.0101 Engineering, General.
 - 14.0102 Pre-Engineering.
 - 14.0103 Applied Engineering.
- 14.02 Aerospace, Aeronautical and Astronautical Engineering
 - 14.0201 Aerospace, Aeronautical, and Astronautical/Space Engineering, General.
 - 14.0202 Astronautical Engineering.
 - 14.0299 Aerospace, Aeronautical, and Astronautical/Space Engineering, Other.
- 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 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.
- 14.10 Electrical, Electronics and Communications Engineering
 - 14.1001 Electrical, Electronics and Communications 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/Technicians

- 15.00 Engineering Technology, General
 - 15.0000 Engineering Technologies/Technicians, General.
 - 15.0001 Applied Engineering Technologies/Technicians.
- 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 and Biomedical Sciences

- 26.01 Biology, General
 - 26.0101 Biology/Biological Sciences, General.
 - 26.0102 Biomedical Sciences, General.
- 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.
 - 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.
 - 26.0509 Infectious Disease and Global Health.
 - 26.0599 Microbiological Sciences and Immunology, Other.
- 26.07 Zoology/Animal Biology
 - 26.0701 Zoology/Animal Biology.
 - 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.
 - 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.
- 26.0913 Biomechanics.
- 26.0999 Physiology, Pathology, and Related Sciences, Other.
- 26.11 Biomathematics and Bioinformatics
 - 26.1101 Biometry/Biometrics.
 - 26.1102 Biostatistics.
 - 26.1103 Bioinformatics.
 - 26.1104 Computational Biology.
 - 26.1199 Biomathematics and Bioinformatics, 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.
 - 26.1311 Epidemiology and Biostatistics.
 - 26.1399 Ecology, Evolution, Systematics and Population Biology, Other.
- 26.15 Neurobiology and Neurosciences
 - 26.1501 Neuroscience.
 - 26.1502 Neuroanatomy.
 - 26.1503 Neurobiology and Neurophysiology.
 - 26.1504 Neurobiology and Behavior.
 - 26.1599 Neurobiology and Neurosciences, Other.
- 26.99 Biological and Biomedical Sciences, Other

Mathematics and Statistics

- 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.
 - 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

Multi/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 and Theoretical Chemistry.
- 40.0507 Polymer Chemistry.
- 40.0508 Chemical Physics.
- 40.0509 Environmental Chemistry.
- 40.0510 Forensic Chemistry.
- 40.0511 Theoretical Chemistry.
- 40.0512 Cheminformatics/Chemistry Informatics.
- 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 Solid State and Low-Temperature Physics.
 - 40.0809 Acoustics.
 - 40.0810 Theoretical and Mathematical Physics.
 - 40.0899 Physics, Other.

- 40.10 Materials Science
 - 40.1001 Materials Science.
 - 40.1002 Materials Chemistry.
 - 40.1099 Materials Sciences, Other.

- 40.99 Physical Sciences, Other