National SMART Grant -- Fields of Study

The Secretary has designated particular majors in the following fields of study as eligible for the National SMART Grant Program to the extent that a student is enrolled in a certificate, bachelor's degree or a graduate degree program that includes at least 3 academic years of undergraduate education.

Please note that classification under one of the following 2-digit CIP code alone does <u>not</u> qualify a major to be a National SMART Grant-eligible major. A major must be classified by its institution with a 6-digit CIP code from the list of 6-digit CIP codes that begins on page three of this document to be considered an eligible major for the National SMART Grant Program.

With the release of the CIP 2010, 67 new CIP codes have been added to the list of eligible majors for the 2010-2011 award year. Each new CIP code can be found under its associated National SMART Grant-eligible field. For ease of use, the new eligible CIP codes have been added in italics. Any changes to CIP title names and/or code that were made in CIP 2010 have also been incorporated into the current list.

<u>National SMART Grant Fields</u>:

Computer science: The branch of knowledge or study of computers, including such fields of knowledge or study as computer hardware, computer software, computer engineering, information systems, and robotics.
Associated NCES CIP CODES: 11.xxxx

Engineering: The science by which the properties of matter and the sources of energy in nature are made useful to humanity in structures, machines, and products, as in the construction of engines, bridges, buildings, mines, and chemical plants, including such fields of knowledge or study as aeronautical engineering, chemical engineering, civil engineering, electrical engineering, industrial engineering, materials engineering, manufacturing engineering, and mechanical engineering.
Associated NCES CIP CODES: 14.xxxx

Foreign Language: Instructional programs that focus on foreign languages and literatures, the humanistic and scientific study of linguistics, and the provision of professional interpretation and translation services.
Associated NCES CIP CODES: 16.xxxx

Liberal Arts and Sciences/Liberal Studies: A liberal arts program combines the arts, biological and physical sciences, social sciences, and humanities, emphasizing breadth of study. **This field is only applicable for an institution with a single liberal arts curriculum.** See further information under the Note on Liberal Arts and Sciences section below.
Associated NCES CIP CODES: 24.xxxx

Life sciences: The branch of knowledge or study of living things, including such fields of knowledge or study as biology, biochemistry, biophysics, microbiology, genetics, physiology,

botany, zoology, ecology, and behavioral biology, except that the term does not encompass the health professions.
Associated NCES CIP CODES: 26.xxxx; 01.xxxx

Mathematics: The branch of knowledge or study of numbers and the systematic treatment of magnitude, relationships between figures and forms, and relations between quantities expressed symbolically, including such fields of knowledge or study as statistics, applied mathematics, and operations research.
Associated NCES CIP CODES: 27.xxxx

Natural Resources and Conservation: Instructional programs that focus on the various natural resources and conservation fields and prepare individuals for related occupations.
Associated NCES CIP CODES: 03.xxxx

Physical sciences: The branch of knowledge or study of the material universe, including such fields of knowledge or study as astronomy, atmospheric sciences, chemistry, earth sciences, ocean sciences, physics, and planetary sciences.
Associated NCES CIP CODES: 40.xxxx

Psychology: Instructional programs that focus on the scientific study of the behavior of individuals, independently or collectively, and the physical and environmental bases of mental, emotional, and neurological activity.
Associated NCES CIP CODES: 42.xxxx

Technology: The application of mechanical or scientific knowledge, for example, applied science.
Related NCES CIP CODES: 41.xxxx; 29.xxxx 15.xxxx

Several Multidisciplinary Studies are also considered eligible for National SMART Grants.
Associated NCES CIP CODES: 30.xxxx

REMINDER:
*****Classification under the 2-digit CIP code alone does <u>not</u> qualify a major to be a National SMART Grant-eligible major. A major must be classified by its institution with a 6-digit CIP code from the following list of 6-digit CIP codes to be considered an eligible major for the National SMART Grant Program. ****

<u>**Note on the Liberal Arts and Sciences major:**</u>
To qualify under CIP code 24.0101, Liberal Arts and Sciences/Liberal Studies, an institution must have submitted to the Department and the Department must have approved the institution's request to designate its liberal arts curriculum as an eligible major. For the 2010-2011 award year, the approved liberal arts curriculum programs are:

24.0101 Liberal Arts and Sciences/Liberal Studies—Thomas Aquinas College
24.0101 Liberal Arts and Sciences/Liberal Studies—St. John's College, Annapolis MD
24.0101 Liberal Arts and Sciences/Liberal Studies—St. John's College, Santa Fe, NM

No other Liberal Arts and Sciences/Liberal Studies programs are eligible under CIP Code 24.0101.

Computer Science

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
11.03   Data Processing
        11.0301   Data Processing and Data Processing Technology/Technician
11.04   Information Science/Studies
        11.0401   Information Science/Studies
11.05   Computer Systems Analysis
        11.0501   Computer Systems Analysis/Analyst
11.07 Computer Science
        11.0701   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
11.09 Computer Systems Networking and Telecommunications
        11.0901   Computer Systems Networking and Telecommunications
11.10 Computer/Information Technology Administration and Management
        11.1001   Network and System Administration/Administrator
        11.1002   System, Networking, and LAN/WAN Management/Manager
        11.1003   Computer and Information Systems Security/Information
                        Assurance
        11.1004   Web/Multimedia Management and Webmaster
        11.1006   *Computer Support Specialist*
        11.1099   Computer/Information Technology Services Administration and
                        Management, Other
11.99 Computer and Information Sciences and Support Services, Other.
        11.9999   Computer and Information Sciences and Support Services, Other

Engineering

14.01 Engineering, General
      14.0101   Engineering, General
14.02 Aerospace, Aeronautical and Astronautical Engineering
      14.0201   Aerospace, Aeronautical and Astronautical/Space Engineering
14.03 Agricultural Engineering
      14.0301   Agricultural Engineering
14.04 Architectural Engineering
      14.0401   Architectural Engineering
14.05 Biomedical/Medical Engineering
      14.0501   Bioengineering and Biomedical Engineering
14.06 Ceramic Sciences and Engineering
      14.0601   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, General
      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 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
      14.1101   Engineering Mechanics
14.12 Engineering Physics
      14.1201   Engineering Physics/Applied Physics
14.13 Engineering Science
      14.1301   Engineering Science
14.14 Environmental/Environmental Health Engineering
      14.1401   Environmental/Environmental Health Engineering

14.18 Materials Engineering
        14.1801   Materials Engineering
14.19 Mechanical Engineering
        14.1901   Mechanical Engineering
14.20 Metallurgical Engineering
        14.2001   Metallurgical Engineering
14.21 Mining and Mineral Engineering
        14.2101   Mining and Mineral Engineering
14.22 Naval Architecture and Marine Engineering
        14.2201   Naval Architecture and Marine Engineering
14.23 Nuclear Engineering
        14.2301   Nuclear Engineering
14.24 Ocean Engineering
        14.2401   Ocean Engineering
14.25 Petroleum Engineering
        14.2501   Petroleum Engineering
14.27 Systems Engineering
        14.2701   Systems Engineering
14.28 Textile Sciences and Engineering
        14.2801   Textile Sciences and Engineering
14.32 Polymer/Plastics Engineering
        14.3201   Polymer/Plastics Engineering
14.33 Construction Engineering
        14.3301   Construction Engineering
14.34 Forest Engineering
        14.3401   Forest Engineering
14.35 Industrial Engineering
        14.3501   Industrial Engineering
14.36 Manufacturing Engineering
        14.3601   Manufacturing Engineering
14.37 Operations Research
        14.3701   Operations Research
14.38 Surveying Engineering
        14.3801   Surveying Engineering
14.39 Geological/Geophysical Engineering
        14.3901   Geological/Geophysical Engineering
14.40 Paper Science and Engineering
        14.4001   Paper Science and Engineering
14.41 Electromechanical Engineering
        14.4101   Electromechanical Engineering
14.42 Mechatronics, Robotics, and Automation Engineering
        14.4201   Mechatronics, Robotics, and Automation Engineering
14.43 Biochemical Engineering
        14.4301   Biochemical Engineering
14.44 Engineering Chemistry
        14.4401   Engineering Chemistry

14.45 Biological/Biosystems Engineering
  14.4501   Biological/Biosystems Engineering
14.99 Engineering, Other
  14.9999   Engineering, Other

Critical Foreign Language

Effective for the 2010-2011 award year, all CIP codes in the 16.xxxx series are National SMART Grant eligible EXCEPT:

16.01xx   Linguistic, Comparative, and Related Language Studies and Services
16.16xx   American Sign Language

Liberal Arts and Sciences/Liberal Studies

This CIP code is only valid for the institutions listed below:

24.0101   Liberal Arts and Sciences/Liberal Studies—Thomas Aquinas College

24.0101   Liberal Arts and Sciences/Liberal Studies—St. John's College, Annapolis MD

24.0101   Liberal Arts and Sciences/Liberal Studies—St. John's College, Santa Fe, NM

Life Sciences

26. 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*
26.0599   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*
	26.0999	Physiology, Pathology, and Related Sciences, Other

26.10 Pharmacology and Toxicology

	26.1001	Pharmacology
	26.1002	Molecular Pharmacology
	26.1003	Neuropharmacology
	26.1004	Toxicology
	26.1005	Molecular Toxicology
	26.1006	Environmental Toxicology
	26.1007	Pharmacology and Toxicology
	26.1099	Pharmacology and Toxicology, 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

	26.1201	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

26.14 Molecular Medicine
| *26.1401* | *Molecular Medicine* |

26.15 Neurobiology and Neurosciences
26.1501	Neuroscience *(moved to*
26.1502	Neuroanatomy *(moved to*
26.1503	Neurobiology and Neurophysiology *(moved to*
26.1504	*Neurobiology and Behavior*
26.1599	*Neurobiology and Neurosciences, Other*

26.99   Biological and Biomedical Sciences, Other
| 26.9999 | Biological and Biomedical Sciences, Other |

01. 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 |

01.11 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

03.   NATURAL RESOURCES AND CONSERVATION
03.01 Natural Resources Conservation and Research
        03.0104   Environmental Science
03.03 Fishing and Fisheries Sciences and Management.
        03.0301   Fishing and Fisheries Science and Management
03.05 Forestry
        03.0502   Forest Science and Biology
        03.0509   Wood Science and Wood Products/Pulp and Paper Technology
03.06 Wildlife and Wildlands Science and Management.
        03.0601   Wildlife, Fish and Wildlands Science and Management

Psychology

42.   PSYCHOLOGY
42.27 Research and Experimental Psychology
        42.2706   Physiological Psychology/Psychobiology *(moved to*

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
      27.9999   Mathematics and Statistics, Other

Physical Sciences

40.01 Physical Sciences
     40.0101   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

40.10 Materials Sciences
40.1001   Materials Science *(moved to*
40.1002   *Materials Chemistry*
40.1099   *Materials Sciences, Other*

40.99 Physical Sciences, Other
40.9999   Physical Sciences, Other

Technology

15. ENGINEERING TECHNOLOGIES/TECHNICIANS
15.00 Engineering Technology, General
      15.0000   Engineering Technology, General
15.01 Architectural Engineering Technologies/Technicians
      15.0101   Architectural Engineering Technology/Technician
15.02 Civil Engineering Technologies/Technicians
      15.0201   Civil Engineering Technology/Technician
15.03 Electrical Engineering Technologies/Technicians
      15.0303   Electrical, Electronic and Communications Engineering
                     Technology/Technician
      15.0304   Laser and Optical Technology/Technician
      15.0305   Telecommunications Technology/Technician
      15.0306   *Integrated Circuit Design*
      15.0399   Electrical and Electronic Engineering Technologies/Technicians,
                     Other
15.04 Electromechanical Instrumentation and Maintenance Technologies/Technicians
      15.0401   Biomedical Technology/Technician
      15.0403   Electromechanical Technology/Electromechanical Engineering
                     Technology
      15.0404   Instrumentation Technology/Technician
      15.0405   Robotics Technology/Technician
      15.0406   *Automation Engineer Technology/Technician*
      15.0499   Electromechanical and Instrumentation and Maintenance
                     Technologies/Technicians, Other
15.05 Environmental Control Technologies/Technicians
      15.0503   Energy Management and Systems Technology/Technician
      15.0505   Solar Energy Technology/Technician
      15.0506   Water Quality and Wastewater Treatment Management and
                     Recycling Technology/Technician
      15.0507   Environmental Engineering Technology/Environmental
                     Technology
      15.0508   Hazardous Materials Management and Waste
                     Technology/Technician
      15.0599   Environmental Control Technologies/Technicians, Other
15.06 Industrial Production Technologies/Technicians
      15.0607   Plastics Engineering Technology/Technician
      15.0611   Metallurgical Technology/Technician
      15.0612   Industrial Technology/Technician
      15.0613   Manufacturing Engineering Technology/Technician
      15.0614   *Welding Engineering Technology/Technician*
      15.0615   *Chemical Engineering Technology/Technician*
      15.0616   *Semiconductor Manufacturing Technology*

| 15.0699 | Industrial Production Technologies/Technicians, Other |

15.07 Quality Control and Safety Technologies/Technicians
15.0701	Occupational Safety and Health Technology/Technician
15.0702	Quality Control Technology/Technician
15.0703	Industrial Safety Technology/Technician
15.0704	Hazardous Materials Information Systems Technology/Technician
15.0799	Quality Control and Safety Technologies/Technicians, Other

15.08 Mechanical Engineering Related Technologies/Technicians
15.0801	Aeronautical/Aerospace Engineering Technology/Technician
15.0803	Automotive Engineering Technology/Technician
15.0805	Mechanical Engineering/Mechanical Technology/Technician
15.0899	Mechanical Engineering Related Technologies/Technicians, Other

15.09 Mining and Petroleum Technologies/Technicians
15.0901	Mining Technology/Technician
15.0903	Petroleum Technology/Technician
15.0999	Mining and Petroleum Technologies/Technicians, Other

15.10 Construction Engineering Technologies
| 15.1001 | Construction Engineering Technology/Technician |

15.11 Engineering-Related Technologies
15.1102	Surveying Technology/Surveying
15.1103	Hydraulics and Fluid Power Technology/Technician
15.1199	Engineering-Related Technologies, Other

15.12 Computer Engineering Technologies/Technicians
15.1201	Computer Engineering Technology/Technician
15.1202	Computer Technology/Computer Systems Technology
15.1203	Computer Hardware Technology/Technician
15.1204	Computer Software Technology/Technician
15.1299	Computer Engineering Technologies/Technicians, Other

15.13 Drafting/Design Engineering Technologies/Technicians
15.1301	Drafting and Design Technology/Technician, General
15.1302	CAD/CADD Drafting and/or Design Technology/Technician
15.1303	Architectural Drafting and Architectural CAD/CADD
15.1304	Civil Drafting and Civil Engineering CAD/CADD
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD
15.1399	Drafting/Design Engineering Technologies/Technicians, Other

15.14 Nuclear Engineering Technologies/Technicians
| 15.1401 | Nuclear Engineering Technology/Technician |

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
| *15.1601* | *Nanotechnology* |

15.99 Engineering Technologies/Technicians, Other
      15.9999   Engineering Technologies and Engineering-Related Fields, Other

29. MILITARY TECHNOLOGIES AND APPLIED SCIENCES
29.02 Intelligence, Command Control and Information Operations
      29.0203   *Signal/Geospatial Intelligence*
      29.0204   *Command and Control (C3,C41 Systems and Operations*
      29.0205   *Information Operations/Joint Information Operations*
      29.0207   *Cyber/Electronic Operations and Warfare*
29.03 Military Applied Sciences
      29.0301   *Combat Systems Engineering*
      29.0302   *Directed Energy Systems*
      29.0303   *Engineering Acoustics*
      29.0304   *Low-Observables and Stealth Technology*
      29.0305   *Space Systems Operations*
      29.0306   *Operational Oceanography*
      29.0307   *Undersea Warfare*
      29.0399   *Military Applied Sciences, Other*
29.04 Military Systems and Maintenance Technology
      29.0401   *Aerospace Ground Equipment Technology*
      29.0402   *Air and Space Operations Technology*
      29.0403   *Aircraft Armament Systems Technology*
      29.0404   *Explosive Ordinance/Bomb Disposal*
      29.0405   *Joint command/Task Force (C3, C41 Systems*
      29.0406   *Military Information Systems Technology*
      29.0407   *Missile and Space Systems Technology*
      29.0408   *Munitions Systems/Ordinance Technology*
      29.0409   *Radar Communications and Systems Technology*
      29.0499   *Military Systems and Maintenance Technology, Other*
29.99 Military Technologies and Applied Sciences, Other
      29.9999   *Military Technologies and Applied Sciences*

41. SCIENCE TECHNOLOGIES/TECHNICIANS
41.01 Biology Technician/Biotechnology Laboratory Technician
      41.0101   Biology Technician/Biotechnology Laboratory Technician
41.02 Nuclear and Industrial Radiologic Technologies/Technicians
      41.0204   Industrial Radiologic Technology/Technician
      41.0205   Nuclear/Nuclear Power Technology/Technician
      41.0299   Nuclear and Industrial Radiologic Technologies/Technicians,
                      Other
41.03 Physical Science Technologies/Technicians
      41.0301   Chemical Technology/Technician
      41.0303   *Chemical Process Technology*
      41.0399   Physical Science Technologies/Technicians, Other
41.99 Science Technologies/Technicians, Other
      41.9999   Science Technologies/Technicians, Other

Multidisciplinary Studies

30. MULTI/INTERDISCIPLINARY STUDIES
30.01 Biological and Physical Sciences
      30.0101   Biological and Physical Sciences
30.06 Systems Science and Theory
      30.0601   Systems Science and Theory
30.08 Mathematics and Computer Science
      30.0801   Mathematics and Computer Science
      30.1501   Science, Technology and Society
30.10 Biopsychology
      30.1001   Biopsychology
30.16 Accounting and Computer Science
      30.1601   Accounting and Computer Science
30.18 Natural Sciences
      30.1801   Natural Sciences
30.19 Nutrition Sciences
      30.1901   Nutrition Sciences
30.25 Cognitive Science
      30.2501   Cognitive Science
30.30 Computational Science
      30.3001   Computational Science
30.31 Human Computer Interaction
      30.3101   Human Computer Interaction
30.32 Marine Sciences
      30.3201   Marine Sciences

51 HEALTH PROFESSIONS AND RELATED PROGRAMS.
  51.00 Health Services/Allied Health/Health Sciences, General.
    51.0000 Health Services/Allied Health/Health Sciences, General.
    51.0001 Health and Wellness, General.
  51.01 Chiropractic.
    51.0101 Chiropractic.
  51.02 Communication Disorders Sciences and Services.
    51.0201 Communication Sciences and Disorders, General.
    51.0202 Audiology/Audiologist.
    51.0203 Speech-Language Pathology/Pathologist.
    51.0204 Audiology/Audiologist and Speech-Language Pathology/Pathologist.
    51.0299 Communication Disorders Sciences and Services, Other.
  51.04 Dentistry.
    51.0401 Dentistry.
  51.05 Advanced/Graduate Dentistry and Oral Sciences.
    51.0501 Dental Clinical Sciences, General.
    51.0502 Advanced General Dentistry.

51.0503 Oral Biology and Oral and Maxillofacial Pathology.

51.0504 Dental Public Health and Education.

51.0505 Dental Materials.

51.0506 Endodontics/Endodontology.

51.0507 Oral/Maxillofacial Surgery.

51.0508 Orthodontics/Orthodontology.

51.0509 Pediatric Dentistry/Pedodontics.

51.0510 Periodontics/Periodontology.

51.0511 Prosthodontics/Prosthodontology.

51.0599 Advanced/Graduate Dentistry and Oral Sciences, Other.

51.06 Dental Support Services and Allied Professions.

51.0601 Dental Assisting/Assistant.

51.0602 Dental Hygiene/Hygienist.

51.0603 Dental Laboratory Technology/Technician.

51.0699 Dental Services and Allied Professions, Other.

51.07 Health and Medical Administrative Services.

51.0701 Health/Health Care Administration/Management.

51.0702 Hospital and Health Care Facilities Administration/Management.

51.0703 Health Unit Coordinator/Ward Clerk.

51.0704 Health Unit Manager/Ward Supervisor.

51.0705 Medical Office Management/Administration.

51.0706 Health Information/Medical Records Administration/Administrator.

51.0707 Health Information/Medical Records Technology/Technician.

51.0708 Medical Transcription/Transcriptionist.

51.0709 Medical Office Computer Specialist/Assistant.

51.0710 Medical Office Assistant/Specialist.

51.0711 Medical/Health Management and Clinical Assistant/Specialist.

51.0712 Medical Reception/Receptionist.

51.0713 Medical Insurance Coding Specialist/Coder.

51.0714 Medical Insurance Specialist/Medical Biller.

51.0715 Health/Medical Claims Examiner.

51.0716 Medical Administrative/Executive Assistant and Medical Secretary.

51.0717 Medical Staff Services Technology/Technician.

51.0718 Long Term Care Administration/Management.

51.0719 Clinical Research Coordinator.

51.0799 Health and Medical Administrative Services, Other.

51.08 Allied Health and Medical Assisting Services.

51.0801 Medical/Clinical Assistant.

51.0802 Clinical/Medical Laboratory Assistant.

51.0803 Occupational Therapist Assistant.

51.0805 Pharmacy Technician/Assistant.

51.0806 Physical Therapy Technician/Assistant.

51.0808 Veterinary/Animal Health Technology/Technician and Veterinary Assistant.

51.0809 Anesthesiologist Assistant.

51.0810 Emergency Care Attendant (EMT Ambulance .

51.0811 Pathology/Pathologist Assistant.

51.0812 Respiratory Therapy Technician/Assistant.

51.0813 Chiropractic Assistant/Technician.

51.0814 Radiologist Assistant.

51.0815 Lactation Consultant.

51.0816 Speech-Language Pathology Assistant.

51.0899 Allied Health and Medical Assisting Services, Other.

51.09 Allied Health Diagnostic, Intervention, and Treatment Professions.

51.0901 Cardiovascular Technology/Technologist.

51.0902 Electrocardiograph Technology/Technician.

51.0903 Electroneurodiagnostic/Electroencephalographic Technology/Technologist.

51.0904 Emergency Medical Technology/Technician (EMT Paramedic .

51.0905 Nuclear Medical Technology/Technologist.

51.0906 Perfusion Technology/Perfusionist.

51.0907 Medical Radiologic Technology/Science - Radiation Therapist.

51.0908 Respiratory Care Therapy/Therapist.

51.0909 Surgical Technology/Technologist.

51.0910 Diagnostic Medical Sonography/Sonographer and Ultrasound Technician.

51.0911 Radiologic Technology/Science - Radiographer.

51.0912 Physician Assistant.

51.0913 Athletic Training/Trainer.

51.0914 Gene/Genetic Therapy.

51.0915 Cardiopulmonary Technology/Technologist.

51.0916 Radiation Protection/Health Physics Technician.

51.0917 Polysomnography.

51.0918 Hearing Instrument Specialist.

51.0919 Mammography Technician/Technology.

51.0920 Magnetic Resonance Imaging (MRI Technology/Technician.

51.0999 Allied Health Diagnostic, Intervention, and Treatment Professions, Other.

51.10 Clinical/Medical Laboratory Science/Research and Allied Professions.

51.1001 Blood Bank Technology Specialist.

51.1002 Cytotechnology/Cytotechnologist.

51.1003 Hematology Technology/Technician.

51.1004 Clinical/Medical Laboratory Technician.

51.1005 Clinical Laboratory Science/Medical Technology/Technologist.

51.1006 Ophthalmic Laboratory Technology/Technician.

51.1007 Histologic Technology/Histotechnologist.

51.1008 Histologic Technician.

51.1009 Phlebotomy Technician/Phlebotomist.

51.1010 Cytogenetics/Genetics/Clinical Genetics Technology/Technologist.

51.1011 Renal/Dialysis Technologist/Technician.

51.1012 Sterile Processing Technology/Technician.

51.1099 Clinical/Medical Laboratory Science and Allied Professions, Other.

51.11 Health/Medical Preparatory Programs.

51.1101 Pre-Dentistry Studies.

51.1102 Pre-Medicine/Pre-Medical Studies.

51.1103 Pre-Pharmacy Studies.

51.1104 Pre-Veterinary Studies.

51.1105 Pre-Nursing Studies.

51.1106 Pre-Chiropractic Studies.

51.1107 Pre-Occupational Therapy Studies.

51.1108 Pre-Optometry Studies.

51.1109 Pre-Physical Therapy Studies.

51.1199 Health/Medical Preparatory Programs, Other.

51.12 Medicine.

51.1201 Medicine.

51.14 Medical Clinical Sciences/Graduate Medical Studies.

51.1401 Medical Scientist.

51.15 Mental and Social Health Services and Allied Professions.

51.1501 Substance Abuse/Addiction Counseling.

51.1502 Psychiatric/Mental Health Services Technician.

51.1503 Clinical/Medical Social Work.

51.1504 Community Health Services/Liaison/Counseling.

51.1505 Marriage and Family Therapy/Counseling.

51.1506 Clinical Pastoral Counseling/Patient Counseling.

51.1507 Psychoanalysis and Psychotherapy.

51.1508 Mental Health Counseling/Counselor.

51.1509 Genetic Counseling/Counselor.

51.1599 Mental and Social Health Services and Allied Professions, Other.

51.17 Optometry.

51.1701 Optometry.

51.18 Ophthalmic and Optometric Support Services and Allied Professions.

51.1801 Opticianry/Ophthalmic Dispensing Optician.

51.1802 Optometric Technician/Assistant.

51.1803 Ophthalmic Technician/Technologist.

51.1804 Orthoptics/Orthoptist.

51.1899 Ophthalmic and Optometric Support Services and Allied Professions, Other.

51.19 Osteopathic Medicine/Osteopathy.

51.1901 Osteopathic Medicine/Osteopathy.

51.20 Pharmacy, Pharmaceutical Sciences, and Administration.

51.2001 Pharmacy.

51.2002 Pharmacy Administration and Pharmacy Policy and Regulatory Affairs.

51.2003 Pharmaceutics and Drug Design.

51.2004 Medicinal and Pharmaceutical Chemistry.

51.2005 Natural Products Chemistry and Pharmacognosy.

51.2006 Clinical and Industrial Drug Development.

51.2007 Pharmacoeconomics/Pharmaceutical Economics.

51.2008 Clinical, Hospital, and Managed Care Pharmacy.

51.2009 Industrial and Physical Pharmacy and Cosmetic Sciences.

51.2010 Pharmaceutical Sciences.

51.2011 Pharmaceutical Marketing and Management.

51.2099 Pharmacy, Pharmaceutical Sciences, and Administration, Other.

51.21 Podiatric Medicine/Podiatry.

51.2101 Podiatric Medicine/Podiatry.

51.22 Public Health.

51.2201 Public Health, General.

51.2202 Environmental Health.

51.2205 Health/Medical Physics.

51.2206 Occupational Health and Industrial Hygiene.

51.2207 Public Health Education and Promotion.

51.2208 Community Health and Preventive Medicine.

51.2209 Maternal and Child Health.

51.2210 International Public Health/International Health.

51.2211 Health Services Administration.

51.2212 Behavioral Aspects of Health.

51.2299 Public Health, Other.

51.23 Rehabilitation and Therapeutic Professions.

51.2301 Art Therapy/Therapist.

51.2302 Dance Therapy/Therapist.

51.2305 Music Therapy/Therapist.

51.2306 Occupational Therapy/Therapist.

51.2307 Orthotist/Prosthetist.

51.2308 Physical Therapy/Therapist.

51.2309 Therapeutic Recreation/Recreational Therapy.

51.2310 Vocational Rehabilitation Counseling/Counselor.

51.2311 Kinesiotherapy/Kinesiotherapist.

51.2312 Assistive/Augmentative Technology and Rehabilitation Engineering.

51.2313 Animal-Assisted Therapy.

51.2314 Rehabilitation Science.

51.2399 Rehabilitation and Therapeutic Professions, Other.

51.24 Veterinary Medicine.

51.2401 Veterinary Medicine.

51.25 Veterinary Biomedical and Clinical Sciences.

51.2501 Veterinary Sciences/Veterinary Clinical Sciences, General.

51.2502 Veterinary Anatomy.

51.2503 Veterinary Physiology.

51.2504 Veterinary Microbiology and Immunobiology.

51.2505 Veterinary Pathology and Pathobiology.

51.2506 Veterinary Toxicology and Pharmacology.

51.2507 Large Animal/Food Animal and Equine Surgery and Medicine.

51.2508 Small/Companion Animal Surgery and Medicine.

51.2509 Comparative and Laboratory Animal Medicine.

51.2510 Veterinary Preventive Medicine, Epidemiology, and Public Health.

51.2511 Veterinary Infectious Diseases.

51.2599 Veterinary Biomedical and Clinical Sciences, Other.

51.26 Health Aides/Attendants/Orderlies.

51.2601 Health Aide.

51.2602 Home Health Aide/Home Attendant.

51.2603 Medication Aide.

51.2604 Rehabilitation Aide.

51.2699 Health Aides/Attendants/Orderlies, Other.

51.27 Medical Illustration and Informatics.

51.2703 Medical Illustration/Medical Illustrator.

51.2706 Medical Informatics.

51.2799 Medical Illustration and Informatics, Other.

51.31 Dietetics and Clinical Nutrition Services.

51.3101 Dietetics/Dietitian.

51.3102 Clinical Nutrition/Nutritionist.

51.3103 Dietetic Technician.

51.3104 Dietitian Assistant.

51.3199 Dietetics and Clinical Nutrition Services, Other.

51.32 Bioethics/Medical Ethics.

51.3201 Bioethics/Medical Ethics.

51.33 Alternative and Complementary Medicine and Medical Systems.

51.3300 Alternative and Complementary Medicine and Medical Systems, General.

51.3301 Acupuncture and Oriental Medicine.

51.3302 Traditional Chinese Medicine and Chinese Herbology.

51.3303 Naturopathic Medicine/Naturopathy.

51.3304 Homeopathic Medicine/Homeopathy.

51.3305 Ayurvedic Medicine/Ayurveda.

51.3306 Holistic Health.

51.3399 Alternative and Complementary Medicine and Medical Systems, Other.

51.34 Alternative and Complementary Medical Support Services.

51.3401 Direct Entry Midwifery.

51.3499 Alternative and Complementary Medical Support Services, Other.

51.35 Somatic Bodywork and Related Therapeutic Services.

    51.3501 Massage Therapy/Therapeutic Massage.

    51.3502 Asian Bodywork Therapy.

    51.3503 Somatic Bodywork.

    51.3599 Somatic Bodywork and Related Therapeutic Services, Other.

51.36 Movement and Mind-Body Therapies and Education.

    51.3601 Movement Therapy and Movement Education.

    51.3602 Yoga Teacher Training/Yoga Therapy.

    51.3603 Hypnotherapy/Hypnotherapist.

    51.3699 Movement and Mind-Body Therapies and Education, Other.

51.37 Energy and Biologically Based Therapies.

    51.3701 Aromatherapy.

    51.3702 Herbalism/Herbalist.

    51.3703 Polarity Therapy.

    51.3704 Reiki.

    51.3799 Energy and Biologically Based Therapies, Other.

51.38 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing.

    51.3801 Registered Nursing/Registered Nurse.

    51.3802 Nursing Administration.

    51.3803 Adult Health Nurse/Nursing.

    51.3804 Nurse Anesthetist.

    51.3805 Family Practice Nurse/Nursing.

    51.3806 Maternal/Child Health and Neonatal Nurse/Nursing.

    51.3807 Nurse Midwife/Nursing Midwifery.

    51.3808 Nursing Science.

    51.3809 Pediatric Nurse/Nursing.

    51.3810 Psychiatric/Mental Health Nurse/Nursing.

    51.3811 Public Health/Community Nurse/Nursing.

    51.3812 Perioperative/Operating Room and Surgical Nurse/Nursing.

    51.3813 Clinical Nurse Specialist.

    51.3814 Critical Care Nursing.

    51.3815 Occupational and Environmental Health Nursing.

    51.3816 Emergency Room/Trauma Nursing.

    51.3817 Nursing Education.

    51.3818 Nursing Practice.

    51.3819 Palliative Care Nursing.

    51.3820 Clinical Nurse Leader.

    51.3821 Geriatric Nurse/Nursing.

    51.3822 Women's Health Nurse/Nursing.

    51.3899 Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other.

51.39 Practical Nursing, Vocational Nursing and Nursing Assistants.

    51.3901 Licensed Practical/Vocational Nurse Training.

    51.3902 Nursing Assistant/Aide and Patient Care Assistant/Aide.

    51.3999 Practical Nursing, Vocational Nursing and Nursing Assistants, Other.

51.99 Health Professions and Related Clinical Sciences, Other.

    51.9999 Health Professions and Related Clinical Sciences, Other.