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 bachelor’s degree or a graduate degree program that includes at least 3 academic years of undergraduate education.

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

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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>11.01</td>
<td>Computer and Information Sciences, 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>11.0299</td>
<td>Computer Programming, Other</td>
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<td>Data Processing</td>
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<td>Data Processing and Data Processing Technology/Technician</td>
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<td>Information Science/Studies</td>
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<td>Data Modeling/Warehousing and Database Administration</td>
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<td>Computer Graphics</td>
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<td>Computer Software and Media Applications, Other</td>
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<td>Computer Systems Networking and Telecommunications</td>
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<td>Computer/Information Technology Administration and Management</td>
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<td>11.1001</td>
<td>System Administration/Administrator</td>
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<td>11.1002</td>
<td>System, Networking, and LAN/WAN Management/Manager</td>
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<td>11.1003</td>
<td>Computer and Information Systems Security</td>
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<td>11.1004</td>
<td>Web/Multimedia Management and Webmaster</td>
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<td>11.1099</td>
<td>Computer/Information Technology Services Administration and Management, Other</td>
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<td>Computer and Information Sciences and Support Services, Other</td>
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<td>Mining and Mineral Engineering</td>
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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
14.31 Materials Science
  14.3101 Materials Science
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
14.99 Engineering, Other
  14.9999 Engineering, Other
**Critical Foreign Language**

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<tr>
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<td>Filipino/Tagalog Language and Literature</td>
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</table>
## 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/Biophysics 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
- 26.0405 Neuroanatomy
- 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
- 26.0599 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
   26.0899  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
   26.0906  Neurobiology and Neurophysiology
   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
   26.0999  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 and Bioinformatics
   26.1101  Biometry/Biometrics
   26.1102  Biostatistics
   26.1103  Bioinformatics
   26.1199  Biomathematics and Bioinformatics, Other

26.12 Biotechnology
   26.1201  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
26.1399 Ecology, Evolution, Systematics and Population Biology, 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

Natural Resources and Conservation

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 Sciences and Management

03.05 Forestry
  03.0502 Forest Sciences and Biology
  03.0509 Wood Science and Wood Products/Pulp and Paper Technology
03.06 Wildlife and Wildlands Science and Management.
   03.0601 Wildlife and Wildlands Science and Management

**Psychology**

42. Psychology
42.11 Physiological Psychology/Psychobiology
   42.1101 Physiological Psychology/Psychobiology
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
   27.0303 Computational Mathematics
   27.0399 Applied Mathematics, Other

27.05 Statistics
   27.0501 Statistics, General
   27.0502 Mathematical Statistics and Probability
   27.0599 Statistics, Other

27.99 Mathematics and Statistics, Other
   27.9999 Mathematics and Statistics, Other
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 and Theoretical Chemistry
   40.0507 Polymer Chemistry
   40.0508 Chemical Physics
   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
40.99 Physical Sciences, Other
   40.9999   Physical Sciences, Other
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
   15.0399 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
   15.0499 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 Technology/Technician
   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

15.99 Engineering Technologies/Technicians, Other
    15.9999 Engineering Technologies/Technicians, Other

29. MILITARY TECHNOLOGIES
29.01 Military Technologies
    29.0101 Military Technologies

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
   41.0399 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
30.10 Biopsychology
   30.1001 Biopsychology
30.15 Science, Technology and Society
   30.1501 Science, Technology and Society
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
30.24 Neuroscience
   30.2401 Neuroscience
30.25 Cognitive Science
   30.2501 Cognitive Science