

**Revised
September 13, 2007**

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

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Computer Science

- 11.01 Computer and Information Sciences, General
 - 11.0101 Computer and Information Sciences, General
 - 11.0102 Artificial Intelligence and Robotics
 - 11.0103 Information Technology
 - 11.0199 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
 - 11.0899 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 System Administration/Administrator
 - 11.1002 System, Networking, and LAN/WAN Management/Manager
 - 11.1003 Computer and Information Systems Security
 - 11.1004 Web/Multimedia Management and Webmaster
 - 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 Engineering
- 14.03 Agricultural/Biological Engineering and Bioengineering
 - 14.0301 Agricultural/Biological Engineering and Bioengineering
- 14.04 Architectural Engineering
 - 14.0401 Architectural Engineering
- 14.05 Biomedical/Medical Engineering
 - 14.0501 Biomedical/Medical Engineering
- 14.06 Ceramic Sciences and Engineering
 - 14.0601 Ceramic Sciences and Engineering
- 14.07 Chemical Engineering
 - 14.0701 Chemical Engineering
- 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, 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, Electronics and Communications Engineering
- 14.11 Engineering Mechanics
 - 14.1101 Engineering Mechanics
- 14.12 Engineering Physics
 - 14.1201 Engineering 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
14.31	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

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Critical Foreign Language

16.0201	African Languages, Literatures, and Linguistics
16.0301	Chinese Language and Literature
16.0302	Japanese Language and Literature
16.0303	Korean Language and Literature
16.0402	Russian Language and Literature
16.0701	Hindi Language and Literature
16.0704	Bengali Language and Literature
16.0705	Panjabi Language and Literature
16.0707	Urdu Language and Literature
16.0801	Iranian/Persian Languages, Literatures, and Linguistics
16.0904	Portuguese Language and Literature
16.1101	Arabic Language and Literature
16.1102	Hebrew Language and Literature
16.1402	Bahasa Indonesian/Bahasa Malay Languages and Literatures
16.1404	Filipino/Tagalog Language and Literature
16.1501	Turkish Language and Literature
16.1599	Turkic, Ural-Altaic, Caucasian, and Central Asian Languages, Literatures, and Linguistics, Other

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
26.13	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
- 26.1399 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

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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

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 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

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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

15.0399 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

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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