



UNITED STATES DEPARTMENT OF EDUCATION  
OFFICE OF POSTSECONDARY EDUCATION

DCL ID: GEN-08-09

June 20, 2008

SUBJECT: National SMART Grant Program – List of Eligible Majors for Academic Year 2008-2009

SUMMARY: This letter provides the list of academic majors eligible for the National SMART Grant Program for the 2008-2009 award year.

Dear Colleague:

The final regulations for the National Science and Mathematics Access to Retain Talent Grant (National SMART Grant) Program, published on October 29, 2007, provided a mechanism for institutions of higher education to request that additional majors be designated as eligible majors for which otherwise eligible students could receive a National SMART Grant. Dear Colleague Letter (DCL) GEN-08-02, published February 6, 2008, invited institutions of higher education to submit requests for additional majors to be designated as eligible majors for the National SMART Grant Program for the 2008-2009 award year. In response to DCL GEN-08-02, institutions submitted 33 requests for additional eligible majors. The 33 requests proposed that 26 new majors be included. Two requests were for majors already on the list of eligible majors: CIP code 11.0101, Computer and Information Sciences, General and CIP code 30.1901, Nutrition Science.

Under §401A(c)(3)(C)(i) of the Higher Education Act of 1965, as amended, an otherwise eligible student must pursue a major in the physical, life, or computer sciences, mathematics, technology, or engineering or a critical foreign language to be eligible for a National SMART Grant. Because none of the requested additional majors fulfill this statutory requirement, no additional majors will be designated as eligible majors in the National SMART Grant Program for the 2008-2009 award year. Rather, the current list of eligible academic majors as published in DCL GEN-07-06 will carry over to the 2008-2009 award year. The complete list of eligible majors for award year 2008-2009 is provided as an attachment to this letter.

Thank you once again for all your support and assistance in awarding National SMART Grants to eligible students. If you have any questions regarding eligible majors, please contact Sophia McArdle at 202-219-7078 or by e-mail at [sophia.mcardle@ed.gov](mailto:sophia.mcardle@ed.gov).

Sincerely,

Vince Sampson  
Principal Deputy Assistant Secretary  
Office of Postsecondary Education

Attachment

June 2008

### 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

**NOTE: Classification under the 2-digit CIP code alone does not 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.**

**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

**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

## 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 and Wildlands Science and Management

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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

**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

**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

