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.

Sincerely,

Vince Sampson
Principal Deputy Assistant Secretary
Office of Postsecondary Education

Attachment
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
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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<td>Turkish Language and Literature</td>
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<td>Turkic, Ural-Altaic, Caucasian, and Central Asian Languages, Literatures, and Linguistics, Other</td>
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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

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
42. PSYCHOLOGY
42.11 Physiological Psychology/Psychobiology
   42.1101 Physiological Psychology/Psychobiology
### Mathematics

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40.9999 Physical Sciences, Other
## Technology

### 15. ENGINEERING TECHNOLOGIES/TECHNICIANS

#### 15.0000 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
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