

## NSF STEM Classification of Instructional Programs

Below is a list of instructional programs that NSF defines as STEM programs. A degree-holding/seeking student of any of these STEM programs is eligible to apply for the University of Mississippi's Noyce Teachers for a New Tomorrow Scholarship Program. The highlighted programs are those offered at the University of Mississippi, as approved by NSF, and can be found on the UM website ([www.olemiss.edu](http://www.olemiss.edu)) under the School/College listed.

| NSF Category          | NSF STEM Degree Programs |   | UM's STEM Degree Programs |                                |   |
|-----------------------|--------------------------|---|---------------------------|--------------------------------|---|
|                       | NSF CIP#                 | NSF STEM Discipline   | UM CIP#                   | UM STEM Discipline             | UM School/College                                 |
| Agricultural Sciences | 01.09                    | Animal Sciences   |                           |                                |   |
|                       | 01.10                    | Food Science and Technology                                     |                           |                                |   |
|                       | 01.12                    | Soil Sciences   |                           |                                |   |
|                       | 01.99                    | Agriculture, Agriculture Operations and Related Sciences, Other |                           |                                |   |
|                       | 03.0101                  | Natural Resources/Conservation, General                         |                           |                                |   |
|                       | 03.02                    | Natural Resources Management and Policy                         |                           |                                |   |
|                       | 03.03                    | Fishing and Fisheries Sciences and Management                   |                           |                                |   |
|                       | 03.05                    | Forestry  |                           |                                |   |
|                       | 03.06                    | Wildlife and Wildlands Science and Management                   |                           |                                |   |
|                       | 03.99                    | Natural Resources and Conservation, Other                       |                           |                                |   |
| Chemistry             | 40.05                    | Chemistry   | 400501                    | Chemistry                      | <a href="#">College of Liberal Arts</a>           |
|                       | 40.0507                  | Polymer Science   |                           |                                |   |
|                       | 40.0509                  | Environmental Chemistry   |                           |                                |   |
|                       | 40.051                   | Forensic Chemistry  | 400510                    | Forensic Chemistry             | <a href="#">College of Liberal Arts</a>           |
|                       | 40.0511                  | Theoretical Chemistry   |                           |                                |   |
|                       | 40.1002                  | Materials Chemistry   |                           |                                |   |
|                       | 40.1099                  | Materials Sciences, Other                                       |                           |                                |   |
| Computer Science      | 11.01                    | Computer and Informational Sciences, General                    | 110101                    | Computer Science               | <a href="#">School of Engineering</a>             |
|                       | 11.0104                  | Informatics (STEM Only)   |                           |                                |   |
|                       | 11.04                    | Information Science/Studies                                     |                           |                                |   |
|                       | 11.07                    | Computer Science  |                           |                                |   |
|                       | 52.1201                  | Management Information Systems, General                         | 521201                    | Management Information Systems | <a href="#">School of Business Administration</a> |
| 52.1301               | Management Science       |   |                           |                                |   |
| Engineering           | 14.02                    | Aerospace, Aeronautical and Astronautical Engineering           |                           |                                |   |
|                       | 14.03                    | Agricultural Engineering  |                           |                                |   |
|                       | 14.05                    | Biomedical/Medical Engineering                                  |                           |                                |   |
|                       | 03.0509                  | Wood Science and Wood Products/Pulp and Paper Technology        |                           |                                |   |
|                       | 14.07                    | Chemical Engineering  | 140701                    | Chemical Engineering           | <a href="#">School of Engineering</a>             |
|                       | 14.0702                  | Chemical and Biomolecular                                       |                           |                                |   |

|             |   |   |             |                                       |                                       |
|-------------|---|---|-------------|---------------------------------------|---------------------------------------|
| Engineering |   | Engineering   |             |                                       |                                       |
|             | 14.0799                                   | Chemical Engineering, Other                                   |             |                                       |                                       |
|             | 14.1003                                   | Laser and Optical Engineering                                 |             |                                       |                                       |
|             | 14.1004                                   | Telecommunications Engineering                                |             |                                       |                                       |
|             | 14.1099                                   | Electrical, Electronics and Communications Engineering, Other |             |                                       |                                       |
|             | 14.32                                     | Polymer/Plastics Engineering                                  |             |                                       |                                       |
|             | 14.4                                      | Paper Science and Engineering                                 |             |                                       |                                       |
|             | 14.41                                     | Electromechanical Engineering                                 |             |                                       |                                       |
|             | 14.42                                     | Mechatronics, Robotics, and Automation Engineering            |             |                                       |                                       |
|             | 14.43                                     | Biochemical Engineering                                       |             |                                       |                                       |
|             | 14.44                                     | Engineering Chemistry   |             |                                       |                                       |
|             | 14.45                                     | Biological/Biosystems Engineering                             |             |                                       |                                       |
|             | 15.0306                                   | Integrated Circuit Design                                     |             |                                       |                                       |
|             | 15.1502                                   | Engineering Design  |             |                                       |                                       |
|             | 15.16                                     | Nanotechnology  |             |                                       |                                       |
|             | 04.02                                     | Architecture  |             |                                       |                                       |
|             | 14.04                                     | Architectural Engineering                                     |             |                                       |                                       |
|             | 14.08                                     | Civil Engineering   | 140801      | Civil Engineering                     | <a href="#">School of Engineering</a> |
|             | 14.0803                                   | Structural Engineering  |             |                                       |                                       |
|             | 14.0805                                   | Water Resources Engineering                                   |             |                                       |                                       |
|             | 14.14                                     | Environmental/Environmental Health Engineering                |             |                                       |                                       |
|             | 14.09                                     | Computer Engineering, General                                 |             |                                       |                                       |
|             | 14.10                                     | Electrical, Electronics and Communications Engineering        | 141001      | Electrical Engineering                | <a href="#">School of Engineering</a> |
|             | 14.12                                     | Engineering Physics   |             |                                       |                                       |
|             | 14.13                                     | Engineering Science   | 141301      | Engineering Science                   | <a href="#">School of Engineering</a> |
|             | 14.27                                     | Systems Engineering   |             |                                       |                                       |
|             | 30.06                                     | Systems Science and Theory                                    |             |                                       |                                       |
|             | 14.11                                     | Engineering Mechanics   |             |                                       |                                       |
|             | 14.19                                     | Mechanical Engineering  | 141901      | Mechanical Engineering                | <a href="#">School of Engineering</a> |
|             | 14.06                                     | Ceramic Sciences and Engineering                              |             |                                       |                                       |
|             | 40.18                                     | Materials Engineering   |             |                                       |                                       |
|             | 14.20                                     | Metallurgical Engineering                                     |             |                                       |                                       |
|             | 14.28                                     | Textile Sciences and Engineering                              |             |                                       |                                       |
| 40.10       | Materials Science                         |   |             |                                       |                                       |
| 14.21       | Mining and Mineral Engineering            |   |             |                                       |                                       |
| 14.23       | Nuclear Engineering                       |   |             |                                       |                                       |
| 14.25       | Petroleum Engineering                     |   |             |                                       |                                       |
| 14.01       | Engineering, General                      | 140101  | Engineering | <a href="#">School of Engineering</a> |                                       |
| 14.22       | Naval Architecture and Marine Engineering |   |             |                                       |                                       |
| 14.24       | Ocean Engineering                         |   |             |                                       |                                       |
| 14.99       | Engineering, Other                        |   |             |                                       |                                       |

|                          |  |   |                             |  |   |
|--------------------------|--|---|-----------------------------|--|---|
| Environmental Science    | 03.0103                                | Environmental Studies                         |                             |  |   |
|                          | 03.0104                                | Environmental Science                         |                             |  |   |
| Geosciences              | 40.06                                  | Geological and Earth Sciences/Geosciences     |                             |  |   |
|                          | 40.0601                                | Geology/Earth Science, General                | 400601                      | Geology                                    | <a href="#">School of Engineering</a>   |
| Life/Biological Sciences | 26.0403                                | Anatomy                                       |                             |  |   |
|                          | 26.0202                                | Biochemistry                                  | 260202                      | Biochemistry                               | <a href="#">College of Liberal Arts</a> |
|                          | 26.01                                  | Biology, General                              | 260101                      | Biology / Biological Science               | <a href="#">College of Liberal Arts</a> |
|                          | 26.1101                                | Biometry/Biometrics                           |                             |  |   |
|                          | 26.1102                                | Biostatistics                                 |                             |  |   |
|                          | 26.1309                                | Epidemiology                                  |                             |  |   |
|                          | 26.0203                                | Biophysics                                    |                             |  |   |
|                          | 26.03                                  | Botany/Plant Biology                          |                             |  |   |
|                          | 26.0305                                | Plant Pathology/Phytopathology                |                             |  |   |
|                          | 26.0307                                | Plant Physiology                              |                             |  |   |
|                          | 26.04                                  | Cell/Cellular Biology and Anatomical Sciences |                             |  |   |
|                          | 26.0401                                | Cell/Cellular Biology and Histology           |                             |  |   |
|                          | 26.0204                                | Molecular Biology                             |                             |  |   |
|                          | 26.1301                                | Ecology                                       |                             |  |   |
|                          | 26.0505                                | Parasitology                                  |                             |  |   |
|                          | 26.0702                                | Entomology                                    |                             |  |   |
|                          | 26.0801                                | Genetics, General (NEW)                       |                             |  |   |
|                          | 26.0804                                | Animal Genetics (NEW)                         |                             |  |   |
|                          | 26.0805                                | Plant Genetics (NEW)                          |                             |  |   |
|                          | 26.1303                                | Evolutionary Biology                          |                             |  |   |
|                          | 26.0806                                | Human/Medical Genetics                        |                             |  |   |
|                          | 26.0508                                | Microbiology and Immunology                   |                             |  |   |
|                          | 26.0807                                | Genome Sciences/Genomics                      |                             |  |   |
|                          | 26.05                                  | Microbiology Sciences and Immunology          |                             |  |   |
|                          | 26.0507                                | Immunology                                    |                             |  |   |
|                          | 26.0504                                | Virology                                      |                             |  |   |
| 26.0503                  | Medical Microbiology and Bacteriology  |   |                             |  |   |
| 26.1501                  | Neuroscience                           |   |                             |  |   |
| 19.05                    | Foods, Nutrition, and Related Services | 190501  | Food and Nutrition Services | <a href="#">School of Applied Sciences</a> |   |
| 30.1901                  | Nutritional Services                   |   |                             |  |   |
| 26.0910                  | Pathology/Experimental Pathology       |   |                             |  |   |
| 26.1001                  | Pharmacology                           |   |                             |  |   |
| 26.1004                  | Toxicology                             |   |                             |  |   |
| 26.1104                  | Computational Biology                  |   |                             |  |   |

|                     |                          |  |        |             |   |
|---------------------|--------------------------|--|--------|-------------|---|
|                     | 26.131                   | Ecology and Evolutionary Biology           |        |             |   |
|                     | 26.0707                  | Animal Physiology (NEW)                    |        |             |   |
|                     | 26.0901                  | Physiology, General (NEW)                  |        |             |   |
|                     | 26.09                    | Physiology, Pathology and Related Sciences |        |             |   |
|                     | 26.07                    | Zoology/Animal Biology                     |        |             |   |
|                     | 26.1201                  | Biotechnology                              |        |             |   |
|                     | 26.1302                  | Marine Biology and Biological Oceanography |        |             |   |
|                     | 26.99                    | Biological and Biomedical Sciences, Other  |        |             |   |
|                     | 30.01                    | Biological and Physical Sciences           |        |             |   |
|                     | 30.10                    | Biopsychology                              |        |             |   |
|                     | 30.27                    | Human Biology                              |        |             |   |
|                     | 30.3                     | Computational Science                      |        |             |   |
| 30.32               | Marine Sciences          |  |        |             |   |
| Mathematics         | 27.01                    | Mathematics                                | 270101 | Mathematics | <a href="#">College of Liberal Arts</a> |
|                     | 27.03                    | Applied Mathematics                        |        |             |   |
|                     | 27.0304                  | Computational and Applied Mathematics      |        |             |   |
|                     | 27.0306                  | Mathematical Biology                       |        |             |   |
|                     | 27.0503                  | Mathematics and Statistics                 |        |             |   |
|                     | 14.3701                  | Operations Research                        |        |             |   |
|                     | 27.99                    | Mathematics and Statistics, Other          |        |             |   |
|                     | 30.08                    | Mathematics and Computer Science           |        |             |   |
|                     | 27.05                    | Statistics                                 |        |             |   |
|                     | 52.1304                  | Actuarial Science                          |        |             |   |
| Physics / Astronomy | 40.02                    | Astronomy and Astrophysics                 |        |             |   |
|                     | 40.0809                  | Acoustics                                  |        |             |   |
|                     | 40.08                    | Physics                                    | 400801 | Physics     | <a href="#">College of Liberal Arts</a> |
|                     | 40.0607                  | Oceanography, Chemical and Physical        |        |             |   |
|                     | 40.0807                  | Optics/Optical Sciences                    |        |             |   |
| 40.9999             | Physical Sciences, Other |  |        |             |   |