

TABLE A-1

## Fields of study used in the NSCG data tables

(Crosswalk)

| Broad field (e.g., NDGMEBG) |                         | Major field (e.g., NDGMEMG) |   | Minor field (e.g., NDGMENG) |  | Detailed field (e.g., N2DGRMED) |  |        |  |        |                                      |
|-----------------------------|-------------------------|-----------------------------|---|-----------------------------|--|---------------------------------|--|--------|--|--------|--------------------------------------|
| Code                        | Label                   | Code                        | Label   | Code                        | Label  | Code                            | Label                                      |        |  |        |                                      |
| 1                           | S&E fields              | 1                           | Computer and mathematical sciences                        | 11                          | Computer and information sciences                                | 116710                          | Computer and information sciences          |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 116730                          | Computer science                           |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 116740                          | Computer systems analysis                  |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 116760                          | Information services and systems           |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 116770                          | Other computer and information sciences    |        |  |        |                                      |
|                             |                         |                             |   | 12                          | Mathematics and statistics                                       | 128410                          | Applied mathematics                        |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 128420                          | Mathematics, general                       |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 128430                          | Operations research                        |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 128440                          | Statistics                                 |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 128450                          | Other mathematics                          |        |  |        |                                      |
|                             |                         | 2                           | Biological, agricultural, and environmental life sciences | 21                          | Agricultural and food sciences                                   | 216050                          | Animal sciences                            |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 216060                          | Food sciences and technology               |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 216070                          | Plant sciences                             |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 216080                          | Other agricultural sciences                |        |  |        |                                      |
|                             |                         |                             |   | 22                          | Biological sciences  | 226310                          | Biochemistry and biophysics                |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226320                          | Biology, general                           |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226330                          | Botany                                     |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226340                          | Cell and molecular biology                 |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226350                          | Ecology                                    |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226360                          | Genetics, animal and plant                 |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226370                          | Microbiological sciences and immunology    |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226380                          | Nutritional sciences                       |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226390                          | Pharmacology, human and animal             |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226400                          | Physiology and pathology, human and animal |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226410                          | Zoology, general                           |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 226420                          | Other biological sciences                  |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 23                              | Environmental life sciences                | 236800 | Environmental science or studies       |        |                                      |
|                             |                         |                             |   |                             |  |                                 |  | 236810 | Forestry sciences                      |        |                                      |
|                             |                         |                             |   | 31                          | Chemistry, except biochemistry                                   |                                 |  | 318730 | Chemistry, except biochemistry         |        |                                      |
|                             |                         |                             |   |                             |  |                                 |  | 32     | Earth, atmospheric, and ocean sciences | 328720 | Atmospheric sciences and meteorology |
|                             |                         |                             |   |                             |  |                                 |  |        |  | 328740 | Earth sciences                       |
|                             |                         |                             |   |                             |  | 328750                          | Geology                                    |        |  |        |                                      |
|                             |                         |                             |   | 328760                      | Geological sciences, other (including oceanography) <sup>a</sup> |                                 |  |        |  |        |                                      |
|                             |                         | 33                          | Physics and astronomy                                     | 338710                      | Astronomy and astrophysics                                       |                                 |  |        |  |        |                                      |
|                             |                         |                             |   | 338780                      | Physics  |                                 |  |        |  |        |                                      |
|                             |                         | 34                          | Other physical sciences                                   | 348790                      | Other physical sciences  |                                 |  |        |  |        |                                      |
|                             |                         | 4                           | Social and related sciences                               | 41                          | Economics  | 416010                          | Agricultural economics                     |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 419230                          | Economics                                  |        |  |        |                                      |
|                             |                         |                             |   | 42                          | Political and related sciences                                   | 429020                          | Public policy studies                      |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 429270                          | International relations                    |        |  |        |                                      |
|                             |                         |                             |   |                             |  | 429280                          | Political science and government           |        |  |        |                                      |
|                             |                         |                             |   | 43                          | Psychology   | 437040                          | Educational psychology                     |        |  |        |                                      |
| 438910                      | Clinical psychology     |                             |   |                             |  |                                 |  |        |  |        |                                      |
| 438920                      | Counseling psychology   |                             |   |                             |  |                                 |  |        |  |        |                                      |
| 438930                      | Experimental psychology |                             |   |                             |  |                                 |  |        |  |        |                                      |
|                             |                         |                             |   |                             |  |                                 |  |        |  |        |                                      |

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| Broad field (e.g., NDGMEBG) |   | Major field (e.g., NDGMEMG) |                                     | Minor field (e.g., NDGMENG) |  | Detailed field (e.g., N2DGRMED) |   |        |   |
|-----------------------------|---|-----------------------------|-------------------------------------|-----------------------------|--|---------------------------------|---|--------|---|
| Code                        | Label   | Code                        | Label                               | Code                        | Label  | Code                            | Label   |        |   |
|                             |   |                             |                                     |                             |  | 438940                          | General psychology  |        |   |
|                             |   |                             |                                     |                             |  | 438950                          | Industrial/ organizational psychology   |        |   |
|                             |   |                             |                                     |                             |  | 438960                          | Social psychology   |        |   |
|                             |   |                             |                                     |                             |  | 438970                          | Other psychology  |        |   |
|                             |   |                             |                                     | 44                          | Sociology and anthropology                             | 449210                          | Anthropology and archaeology  |        |   |
|                             |   |                             |                                     |                             |  | 449220                          | Criminology   |        |   |
|                             |   |                             |                                     |                             |  | 449290                          | Sociology   |        |   |
|                             |   |                             |                                     | 45                          | Other social sciences                                  | 456200                          | Area and ethnic studies   |        |   |
|                             |   |                             |                                     |                             |  | 457710                          | Linguistics   |        |   |
|                             |   |                             |                                     |                             |  | 458610                          | Philosophy of science   |        |   |
|                             |   |                             |                                     |                             |  | 459240                          | Geography   |        |   |
|                             |   |                             |                                     |                             |  | 459300                          | Other social sciences, including history of science <sup>b</sup>                |        |   |
|                             |   |                             |                                     | 5                           | Engineering  | 51                              | Aerospace, aeronautical, and astronautical engineering                          | 517210 | Aerospace, aeronautical, and astronautical/ space engineering |
|                             |   |                             |                                     |                             |  |                                 |   | 52     | Chemical engineering  |
|                             |   | 53                          | Civil and architectural engineering |                             |  |                                 |   |        |   |
|                             |   |                             |                                     |                             |  |                                 |   | 537260 | Civil engineering   |
|                             |   | 54                          | Electrical and computer engineering |                             |  |                                 |   | 547270 | Computer and systems engineering                              |
|                             |   |                             |                                     |                             |  |                                 |   | 547280 | Electrical, electronics, and communications engineering       |
|                             |   | 55                          | Industrial engineering              |                             |  | 557330                          | Industrial and manufacturing engineering  |        |   |
|                             |   | 56                          | Mechanical engineering              |                             |  | 567350                          | Mechanical engineering  |        |   |
|                             |   | 57                          | Other engineering                   |                             |  | 577220                          | Agricultural engineering  |        |   |
|                             |   |                             |                                     |                             |  | 577240                          | Bioengineering and biomedical engineering                                       |        |   |
|                             |   |                             |                                     |                             |  | 577290                          | Engineering sciences, mechanics and physics                                     |        |   |
|                             |   |                             |                                     |                             |  | 577300                          | Environmental engineering   |        |   |
|                             |   |                             |                                     | 577310                      | Engineering, general                                   |                                 |   |        |   |
|                             |   |                             |                                     | 577340                      | Materials engineering, including ceramics and textiles |                                 |   |        |   |
| 577360                      | Metallurgical engineering   |                             |                                     |                             |  |                                 |   |        |   |
| 577390                      | Nuclear engineering   |                             |                                     |                             |  |                                 |   |        |   |
| 577410                      | Other engineering, including geophysical, geological, mining, mineral, naval architecture, marine, and petroleum <sup>c</sup> |                             |                                     |                             |  |                                 |   |        |   |
| 2                           | S&E-related fields  | 6                           | S&E-related fields                  | 61                          | Health   | 617810                          | Audiology and speech pathology  |        |   |
|                             |   |                             |                                     |                             |  | 617820                          | Health services administration  |        |   |
|                             |   |                             |                                     |                             |  | 617830                          | Health/ medical assistants  |        |   |
|                             |   |                             |                                     |                             |  | 617840                          | Health/ medical technologies  |        |   |
|                             |   |                             |                                     |                             |  | 617850                          | Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary) |        |   |
|                             |   |                             |                                     |                             |  | 617860                          | Medicine (dentistry, optometry, osteopathic, podiatry, veterinary)              |        |   |
|                             |   |                             |                                     |                             |  | 617870                          | Nursing (4 years or longer program)   |        |   |
|                             |   |                             |                                     |                             |  | 617880                          | Pharmacy  |        |   |
|                             |   |                             |                                     |                             |  | 617890                          | Physical therapy and other rehabilitation/ therapeutic services                 |        |   |

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(Crosswalk)

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|-----------------------------|--|-----------------------------|---|-----------------------------|--|---------------------------------|---|----|--------------------------------------|--------|--|
| Code                        | Label  | Code                        | Label   | Code                        | Label  | Code                            | Label   |    |                                      |        |  |
|                             |  |                             |   | 62                          | Science and mathematics teacher education    | 617900                          | Public health (including environmental health and epidemiology) |    |                                      |        |  |
|                             |  |                             |   |                             |  | 617910                          | Other health/ medical sciences                                  |    |                                      |        |  |
|                             |  |                             |   |                             |  | 627020                          | Computer teacher education                                      |    |                                      |        |  |
|                             |  |                             |   |                             |  | 627060                          | Mathematics teacher education                                   |    |                                      |        |  |
|                             |  |                             |   |                             |  | 627090                          | Science teacher education                                       |    |                                      |        |  |
|                             |  |                             |   |                             |  | 627120                          | Social science teacher education                                |    |                                      |        |  |
|                             |  |                             |   | 63                          | Technology and technical fields              | 636720                          | Computer programming  |    |                                      |        |  |
|                             |  |                             |   |                             |  | 636750                          | Data processing   |    |                                      |        |  |
|                             |  |                             |   |                             |  | 637510                          | Electrical and electronic technologies                          |    |                                      |        |  |
|                             |  |                             |   |                             |  | 637520                          | Industrial production technologies                              |    |                                      |        |  |
|                             |  |                             |   |                             |  | 637530                          | Mechanical engineering-related technologies                     |    |                                      |        |  |
|                             |  |                             |   | 64                          | Other science and engineering-related fields | 637540                          | Other engineering-related technologies                          |    |                                      |        |  |
|                             |  |                             |   |                             |  | 646100                          | Architecture/ environmental design                              |    |                                      |        |  |
|                             |  |                             |   |                             |  | 646520                          | Actuarial science   |    |                                      |        |  |
|                             |  |                             |   |                             |  |                                 |   |    |                                      |        |  |
|                             |  |                             |   | 3                           | Non-S&E fields                               | 7                               | Non-S&E fields  | 71 | Management and administration fields | 716020 | Other agricultural business and production |
|                             |  |                             |   |                             |  |                                 |   |    |                                      | 716510 | Accounting                                 |
|                             |  |                             |   |                             |  |                                 |   |    |                                      | 716530 | Business administration and management     |
|                             |  |                             |   |                             |  |                                 |   |    |                                      | 716540 | Business, general                          |
| 716550                      | Business and managerial economics                    |                             |   |                             |  |                                 |   |    |                                      |        |  |
| 716570                      | Financial management                                 |                             |   |                             |  |                                 |   |    |                                      |        |  |
| 716590                      | Other business management/ administrative services   |                             |   |                             |  |                                 |   |    |                                      |        |  |
| 72                          | Education, except science and math teacher education | 727010                      | Education administration                                    |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727030                      | Counselor education and guidance services                   |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727050                      | Elementary teacher education                                |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727070                      | Physical education and coaching                             |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727080                      | Pre-school/ kindergarten/ early childhood teacher education |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727100                      | Secondary teacher education                                 |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727110                      | Special education   |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 727130                      | Other education   |                             |  |                                 |   |    |                                      |        |  |
| 73                          | Social service and related fields                    | 738620                      | Other philosophy, religion, theology                        |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 739100                      | Social work   |                             |  |                                 |   |    |                                      |        |  |
| 74                          | Sales and marketing fields                           | 746560                      | Business marketing/ marketing management                    |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 746580                      | Marketing research  |                             |  |                                 |   |    |                                      |        |  |
| 75                          | Art and humanities fields                            | 757600                      | English language, literature and letters                    |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 757720                      | Other foreign languages and literature                      |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 758200                      | Liberal arts/ general studies                               |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 759260                      | History, other  |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 759410                      | Dramatic arts   |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 759420                      | Fine arts, all fields                                       |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 759430                      | Music, all fields   |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 759440                      | Other visual and performing arts                            |                             |  |                                 |   |    |                                      |        |  |
| 76                          | Other non-S&E fields                                 | 766610                      | Communications, general                                     |                             |  |                                 |   |    |                                      |        |  |
|                             |  | 766620                      | Journalism  |                             |  |                                 |   |    |                                      |        |  |

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|-----------------------------------|-------|-----------------------------|-------|-----------------------------|-------|---------------------------------|---|
| Code                              | Label | Code                        | Label | Code                        | Label | Code                            | Label   |
|                                   |       |                             |       |                             |       | 766630                          | Other communications                            |
|                                   |       |                             |       |                             |       | 766820                          | Other natural resources and conservation        |
|                                   |       |                             |       |                             |       | 766900                          | Criminal justice/ protective services           |
|                                   |       |                             |       |                             |       | 768000                          | Home economics                                  |
|                                   |       |                             |       |                             |       | 768100                          | Law/ prelaw/ legal studies                      |
|                                   |       |                             |       |                             |       | 768300                          | Library science                                 |
|                                   |       |                             |       |                             |       | 768500                          | Parks, recreation, leisure, and fitness studies |
|                                   |       |                             |       |                             |       | 769010                          | Public administration                           |
|                                   |       |                             |       |                             |       | 769030                          | Other public affairs                            |
|                                   |       |                             |       |                             |       | 769950                          | Other fields (not listed)                       |

S&amp;E = science and engineering; NSCG = National Survey of College Graduates.

<sup>a</sup> In 2019, "Oceanography" was merged with "Geological sciences, other" to form "Geological sciences, other (including oceanography)" (328760).<sup>b</sup> In 2019, "History of science" was merged with "Other social sciences" to form "Other social sciences, including history of science" (459300).<sup>c</sup> In 2019, four detailed fields of engineering were merged with "Other engineering" to form "Other engineering, including geophysical, geological, mining, mineral, naval architecture, marine, and petroleum" (577410).**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates: 2019.