Executive Summary

This report contains data retrieved from the National Center for Education Statistics (NCES) in order to determine trends within the discipline of geography by analyzing bachelor’s, master’s, and doctoral degrees conferred by CIP code.

What is a CIP code? Developed in 1980, the Classification of Instructional Programs (CIP code) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity (nces.ed.gov). Revisions of current CIP codes and/or additions of new CIP codes can take place. Each degree conferred in higher education is assigned a CIP code according to the relevant field of study.

What CIP codes were used in this report? Due to the multidisciplinary nature of geography, there are many CIP codes related to the study of geography, as reported by geography departments across the United States and through NCES categorization. For this report, data associated with the following CIP codes were used to determine the state of geography, heretofore referred to as “Geography and Geography-related CIP code group”:

- 45.0701 Geography
- 45.0799 Geography, Other
- 45.0702 Geographic Information Science and Cartography
- 43.0407 Geospatial Intelligence
- 30.4401 Geography and Environmental Studies
- 45.1501 Geography and Anthropology

Using CIP codes to examine the State of Geography. Geography and geography-related CIP codes are indicators of trends in geography as a discipline. By looking at the number of degrees conferred within these CIP codes over time, we can make conclusions about the health of geography departments and programs; the diversity of geography according to race, gender, and ethnicity; and assess trends related to geography and geography-related programs and degrees conferred. We will also compare trends within geography to trends within other CIP code groups, including social sciences, physical sciences, other fields of study, and higher education. These groups and their related CIP codes can be found in Appendix A.

Limitations on CIP code use. Geography departments or programs often report the use of CIP codes that do not contain the word geography (none of which are included in this report). As indicated by a 2020 AAG survey of geography department chairs, other CIP codes reported by geography programs include, but are not limited to: City/Urban, Community and Regional Planning; Data Modeling/Warehousing and Database Administration; Development Economics and International Development; Environmental Studies; Environmental Science; Geology/Earth Science, General; Meteorology; Multi-/Interdisciplinary Studies, Other; Natural Resources Conservation and Research; Natural Resources Management and Policy; Public Health, Other; and Science, Technology and Society.

Geography at Community Colleges. The growth of geography at community colleges is an important trend with potentially big implications for geography's future. However, our initial State of Geography Report does not explore trends at the Associate's level, due to the lack of reliable data on the reporting of CIP codes by combined/hybrid community college geography programs. We plan to address growth trends at the Associate's level in future editions of the State of Geography Report.

The future of the State of Geography Report. It is our understanding that the state of geography is reflected in more than just the conferring of degrees by CIP code. Our goal is to continually add new data from a variety of sources, such as NCES, AAG surveys, and AAG member expertise, to the foundational data within this premier report in order to gain a more complete picture of trends within geography to ultimately better understand and seek improvements regarding the health of geography departments and programs.

We view this report as a collaborative and living document. We welcome any questions, ideas, or suggestions about the findings at data@aag.org. We look forward to hearing from you.

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**Figure 1. Trends in Geography Degrees Conferred Over Time**

Number of Bachelor's, Master's, and PhD Degrees Conferred by Geography and Geography-Related CIP code, 1986-2021

*45.0701 Geography CIP code created in 1980

**Geography-related CIP codes added in 2020
- 43.0407 Geospatial Intelligence
- 30.4401 Geography and Environmental Studies
- 45.1501 Geography and Anthropology

1986:
- Bachelor's: 3,010
- Master's: 548
- Doctoral: 126

1990:
- Bachelor's: 4,570
  - Geography, Other added
- Master's: 45.0702 Cartography added
- Doctoral: 45.0702 Cartography renamed GIScience and Cartography

2000:
- Bachelor's: 4,579
- Master's: 45.0799 Geography, Other added
- Doctoral: 45.0702 Cartography, GIScience, and Cartography

2010:
- Bachelor's: 4,5702 Cartography, GIScience, and Cartography
- Master's: 45.0702 Cartography, GIScience, and Cartography
- Doctoral: 45.0702 Cartography, GIScience, and Cartography

Total Bachelor's Degrees in 2021: 4,007
Total Master's Degrees in 2021: 1,076
Total Doctoral Degrees in 2021: 249
Figure 2. Trends in Geography Degrees Conferred Over Time by CIP Code

Percent growth and proportion of total Bachelor's, Master's, and PhD degrees conferred by Geography and Geography-related CIP code, 1986-2021

*Due to the low number of degrees conferred by the following CIP codes added in 2020, they are not included in Figure 2:
- 43.0407 Geospatial Intelligence
- 30.4401 Geography and Environmental Studies
- 45.1501 Geography and Anthropology

45.0701 Geography
Added 1980

45.0799 Geography, Other
Added 2000

45.0702 GIScience and Cartography
Added as Cartography 1990
Renamed GIScience and Cartography 2010
Figure 3. How Does Geography Compare to Other Social Sciences?

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred by Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2020
Figure 4. How Does Geography Compare to Other Physical Sciences?
Percent growth of degrees (combined and individual Bachelor’s, Master’s, PhD) conferred by Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2020
Figure 5. How Does Geography Compare to Other Fields of Study?
Percent growth of degrees (combined and individual Bachelor’s, Master’s, PhD) conferred by CIP codes: 52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences vs Geography and Geography-related CIP codes, 1986-2020
Figure 6. How Does Geography Compare to Higher Education?

Percent growth of degrees (combined and individual Bachelor's, Master's, PhD) conferred: 99 Higher Education vs Geography and Geography-related CIP codes, 1986-2020

- Higher Education
- Geography

Higher Education

- All CIP codes within the NCES database under "99-Grand Total"
The State of Geography and gender pt. I

Figure 7. Total Geography Degrees Conferred by Gender*  
Number of degrees (combined Bachelor's, Master's, PhD) conferred by Geography and Geography-related CIP codes, 1986-2021

*Per the definition of gender by NCES, all gender-related data in this figure, and all the following figures in this report, is limited to the binary of 'male' and 'female'

Figure 8. Percentage of Geography Degrees Conferred by Gender  
Percentage of total degrees conferred by Geography and Geography-related CIP code by gender and degree type, 1986-2021
Figure 9. How Does Geography Compare to Other Social Sciences in Regard to Gender?

Percentage of total degrees (combined Bachelor’s, Master’s, PhD) conferred by gender and Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2021
Figure 10. How Does Geography Compare to Other Physical Sciences in Regard to Gender?
Percentage of total degrees (combined Bachelor’s, Master’s, PhD) conferred by gender and Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2021
Figure 11. How Does Geography Compare to Other Fields of Study in Regard to Gender?
Percentage of total degrees (combined Bachelor's, Master's, PhD) conferred by gender and by CIP codes: 52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences vs Geography and Geography-related CIP codes, 1986-2021
Figure 12. How Does Geography Compare to Other Social Sciences in Regard to Gender?
Percentage of total degrees conferred by gender and degree type: Social Science CIP codes (45.02 Anthropology, 45.06 Economics, 54.01 History, 45.10 Political Science & Government, and 45.11 Sociology) vs Geography and Geography-related CIP codes, 1986-2021
Figure 13. How Does Geography Compare to Other Physical Sciences in Regard to Gender?
Percentage of total degrees conferred by gender and degree type: Physical Science CIP codes (40.04 Atmospheric Sciences and Meteorology, 40.05 Chemistry, 40.06 Geological and Earth Sciences/Geosciences, 03 Natural Resources and Conservation, 40 Physics) vs Geography and Geography-related CIP codes, 1986-2021
Figure 14. How Does Geography Compare to Other Fields of Study in Regard to Gender?
Percentage of total degrees conferred by gender and degree type: other fields of study (52 Business, Management, Marketing, and Related Support Services; 11 Computer and Information Sciences and Support Services; 14 Engineering; 40 Physical Sciences; and 45 Social Sciences) vs Geography and Geography-related CIP codes, 1986-2021
Figure 15. How Does Geography Compare to Other Fields of Study in Regard to Gender?

Percentage of total degrees conferred by gender and degree type by CIP Code: 99 Higher Education vs Geography and Geography-related CIP codes, 1986-2021
Figure 16. Total Geography Degrees Conferred by Race and Ethnicity**
Number of degrees (combined Bachelor’s, Master’s, PhD) conferred by race and ethnicity and by Geography and Geography-related CIP codes, 1994-2021

*Student Visa Holder refers to the NCES race and ethnicity category: Nonresident Alien
**All race and ethnicity categories and their related data are reflective of the definitions provided by NCES and are the ones used in this figure and the following figures in this report. Full definitions can be found at https://nces.ed.gov/ipeds/datacenter/Data.aspx

Figure 17. Percent Growth of Geography Degrees Conferred by Race and Ethnicity
Percent growth of degrees (combined Bachelor’s, Master’s, PhD) conferred by race/ethnicity and by Geography and Geography-related CIP codes, 1994-2020
**BACHELOR'S**
1. Geography
2. Anthropology
3. Economics
4. History
5. Political Science & Government
6. Sociology

**MASTER'S**
1. Geography
2. Anthropology
3. Economics
4. History
5. Political Science & Government
6. Sociology

**DOCTORAL**
1. Geography
2. Anthropology
3. Economics
4. History
5. Political Science & Government
6. Sociology

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**Figure 18. How Does Geography Compare to Other Social Sciences in Race and Ethnicity?**
Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: Social Science CIP codes vs Geography and Geography-related CIP codes, 1994-2021
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BACHELOR’S
1. Geography
2. Atmospheric Sciences and Meteorology
3. Chemistry
4. Geological and Earth Sciences/Geosciences
5. Natural Resources and Conservation
6. Physics

MASTER’S
1. Geography
2. Atmospheric Sciences and Meteorology
3. Chemistry
4. Geological and Earth Sciences/Geosciences
5. Natural Resources and Conservation
6. Physics

DOCTORAL
1. Geography
2. Atmospheric Sciences and Meteorology
3. Chemistry
4. Geological and Earth Sciences/Geosciences
5. Natural Resources and Conservation
6. Physics

Figure 19. How Does Geography Compare to Other Physical Sciences in Race and Ethnicity?
Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: Physical Science CIP codes vs Geography and Geography-related CIP codes, 1994-2021
Figure 20. How Does Geography Compare to Other Fields of Study in Race and Ethnicity?

Percentage of total degrees, by degree type, conferred by race and ethnicity and CIP code: other fields of study vs Geography and Geography-related CIP Codes, 1994-2021
Figure 21. How Does Geography Compare to Higher Education in Race and Ethnicity?

Percentage of total degrees, by degree type, conferred by race and ethnicity in Higher Education (99-Grand Total) and Geography and Geography-related CIP codes, 1994-2021.
Figure 22. Trends in Geography Bachelor's Degrees Conferred by Race and Ethnicity Over Time

Stacked bar chart showing number of Bachelor's degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021

Figure 23. Percentage of Total Minority Bachelor's Degrees Conferred vs White Degrees

Geography and Geography-related CIP codes, 1994-2021

3,391 degrees conferred in 2021

1,941 degrees conferred in 2021

Minority Groups

White
Figure 24. Trends in Geography Master's Degrees Conferred by Race and Ethnicity Over Time

Stacked bar chart showing number of Master's degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021

Figure 25. Percentage of Total Minority Master's Degrees Conferred vs White Degrees

Geography and Geography-related CIP codes, 1994-2021
Figure 26. Trends in Geography Doctoral Degrees Conferred by Race and Ethnicity Over Time

Stacked bar chart showing number of Doctoral degrees conferred by race and ethnicity and Geography and Geography-related CIP codes, 1994-2021

Figure 27. Percentage of Total Minority Doctoral Degrees Conferred vs White Degrees

Geography and Geography-related CIP codes, 1994-2021

Minority Groups

- White
- 98 degrees conferred in 2021
- 151 degrees conferred in 2021
Appendix A

A list of all CIP codes contained within the comparison fields of study used within this State of Geography report. Those indicated in italics are the CIP codes referenced throughout the report.

Source: https://nces.ed.gov/ipeds/datacenter/selectvariables.aspx

- **Social Sciences**
  - **45.02 - Anthropology**
    - 45.0201 - Anthropology, General
    - 45.0202 - Physical and Biological Anthropology
    - 45.0203 - Medical Anthropology
    - 45.0204 - Cultural Anthropology
    - 45.0205 - Forensic Anthropology
    - 45.0299 - Anthropology, Other
  - **45.06 - Economics**
    - 45.0601 - Economics, General
    - 45.0602 - Applied Economics
    - 45.0603 - Econometrics and Quantitative Economics
    - 45.0604 - Development Economics and International Development
    - 45.0605 - International Economics
    - 45.0699 - Economics, Other
  - **45.10 - Political Science and Government**
    - 45.1001 - Political Science and Government, General
    - 45.1002 - American Government and Politics (United States)
    - 45.1003 - Canadian Government and Politics
    - 45.1004 - Political Economy
    - 45.1099 - Political Science and Government, Other
  - **45.11 - Sociology**
    - 45.1101 - Sociology, General
    - 45.1102 - Applied/Public Sociology
    - 45.1103 - Rural Sociology
    - 45.1199 - Sociology, Other

- **Physical Sciences**
  - **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 Chemistry
    - 40.0507 - Polymer Chemistry
    - 40.0508 - Chemical Physics
    - 40.0509 - Environmental Chemistry
    - 40.0510 - Forensic Chemistry
    - 40.0511 - Theoretical Chemistry
    - 40.0512 - Cheminformatics/Chemistry Informatics
    - 40.0599 - Chemistry, Other
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- **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

- **03 - Natural Resources and Conservation**
  - 03.01 - Natural Resources Conservation and Research
    - 03.0101 - Natural Resources/Conservation, General
    - 03.0103 - Environmental Studies
    - 03.0104 - Environmental Science
    - 03.0199 - Natural Resources Conservation and Research, Other
  - 03.02 - Environmental/Natural Resources Management and Policy
    - 03.0201 - Environmental/Natural Resources Management and Policy, General
    - 03.0204 - Environmental/Natural Resource Economics
    - 03.0205 - Water, Wetlands, and Marine Resources Management
    - 03.0206 - Land Use Planning and Management/Development
    - 03.0207 - Environmental/Natural Resource Recreation and Tourism
    - 03.0208 - Environmental/Natural Resources Law Enforcement and Protective Services
    - 03.0209 - Energy and Environmental Policy
    - 03.0210 - Bioenergy
    - 03.0299 - Environmental/Natural Resources Management and Policy, Other
  - 03.03 - Fishing and Fisheries Sciences and Management
    - 03.0301 - Fishing and Fisheries Sciences and Management

- **03.05 - Forestry**
  - 03.0501 - Forestry, General
  - 03.0502 - Forest Sciences and Biology
  - 03.0506 - Forest Management/Forest Resources Management
  - 03.0508 - Urban Forestry
  - 03.0509 - Wood Science and Wood Products/Pulp and Paper Technology/Technician
  - 03.0510 - Forest Resources Production and Management
  - 03.0511 - Forest Technology/Technician
  - 03.0599 - Forestry, Other

- **03.06 - Wildlife and Wildlands Science and Management**
  - 03.0601 - Wildlife, Fish and Wildlands Science and Management

- **03.99 - Natural Resources and Conservation, Other**
  - 03.9999 - Natural Resources and Conservation, 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 - Condensed Matter and Materials Physics
  - 40.0809 - Acoustics
  - 40.0810 - Theoretical and Mathematical Physics
  - 40.0899 - Physics, Other
Other fields of study

52 Business, Management, Marketing, and Related Support Services

- 52.01 - Business/Commerce, General
  - 52.0101 - Business/Commerce, General

- 52.02 - Business Administration, Management and Operations
  - 52.0201 - Business Administration and Management, General
  - 52.0202 - Purchasing, Procurement/Acquisitions and Contracts Management
  - 52.0203 - Logistics, Materials, and Supply Chain Management
  - 52.0204 - Office Management and Supervision
  - 52.0205 - Operations Management and Supervision
  - 52.0206 - Non-Profit/Public/Organizational Management
  - 52.0207 - Customer Service Management
  - 52.0208 - E-Commerce/Electronic Commerce
  - 52.0209 - Transportation/Mobility Management
  - 52.0210 - Research and Development Management
  - 52.0211 - Project Management
  - 52.0212 - Retail Management
  - 52.0213 - Organizational Leadership
  - 52.0214 - Research Administration
  - 52.0215 - Risk Management
  - 52.0216 - Science/Technology Management
  - 52.0217 - Business Administration, Management and Operations, Other

- 52.03 - Accounting and Related Services
  - 52.0301 - Accounting
  - 52.0302 - Accounting Technology/Technician and Bookkeeping
  - 52.0303 - Auditing
  - 52.0304 - Accounting and Finance
  - 52.0305 - Accounting and Business/Management
  - 52.0309 - Accounting and Related Services, Other

- 52.04 - Business Operations Support and Assistant Services
  - 52.0401 - Administrative Assistant and Secretarial Science, General
  - 52.0402 - Executive Assistant/Executive Secretary
  - 52.0406 - Receptionist
  - 52.0407 - Business/Office Automation/Technology/Data Entry
  - 52.0408 - General Office Occupations and Clerical Services
  - 52.0409 - Parts, Warehousing, and Inventory Management Operations
  - 52.0410 - Traffic, Customs, and Transportation Clerk/Technician
  - 52.0411 - Customer Service Support/Call Center/Teleservice Operation
  - 52.0499 - Business Operations Support and Secretarial Services, Other

- 52.05 - Business/Corporate Communications
  - 52.0501 - Business/Corporate Communications, General
  - 52.0502 - Grantsmanship
  - 52.0599 - Business/Corporate Communications, Other

- 52.06 - Business/Managerial Economics
  - 52.0601 - Business/Managerial Economics

- 52.07 - Entrepreneurial and Small Business Operations
  - 52.0701 - Entrepreneurship/Entrepreneurial Studies
  - 52.0702 - Franchising and Franchise Operations
  - 52.0703 - Small Business Administration/Management
  - 52.0704 - Social Entrepreneurship
  - 52.0799 - Entrepreneurial and Small Business Operations, Other
52.08 - Finance and Financial Management Services
   - 52.0801 - Finance, General
   - 52.0803 - Banking and Financial Support Services
   - 52.0804 - Financial Planning and Services
   - 52.0806 - International Finance
   - 52.0807 - Investments and Securities
   - 52.0808 - Public Finance
   - 52.0809 - Credit Management
   - 52.0810 - Financial Risk Management
   - 52.0899 - Finance and Financial Management Services, Other

52.09 - Hospitality Administration/Management
   - 52.0901 - Hospitality Administration/Management, General
   - 52.0903 - Tourism and Travel Services Management
   - 52.0904 - Hotel/Motel Administration/Management
   - 52.0905 - Restaurant/Food Services Management
   - 52.0906 - Resort Management
   - 52.0907 - Meeting and Event Planning
   - 52.0908 - Casino Management
   - 52.0909 - Hotel, Motel, and Restaurant Management
   - 52.0910 - Brewery/Brewpub Operations/Management
   - 52.0999 - Hospitality Administration/Management, Other

52.10 - Human Resources Management and Services
   - 52.1001 - Human Resources Management/Personnel Administration, General
   - 52.1002 - Labor and Industrial Relations
   - 52.1003 - Organizational Behavior Studies
   - 52.1004 - Labor Studies
   - 52.1005 - Human Resources Development
   - 52.1006 - Executive/Career Coaching
   - 52.1099 - Human Resources Management and Services, Other

52.11 - International Business
   - 52.1101 - International Business/Trade/Commerce

52.12 - Management Information Systems and Services
   - 52.1201 - Management Information Systems, General
   - 52.1206 - Information Resources Management
   - 52.1207 - Knowledge Management
   - 52.1299 - Management Information Systems and Services, Other

52.13 - Management Sciences and Quantitative Methods
   - 52.1301 - Management Science
   - 52.1302 - Business Statistics
   - 52.1304 - Actuarial Science
   - 52.1399 - Management Sciences and Quantitative Methods, Other

52.14 - Marketing
   - 52.1401 - Marketing/Marketing Management, General
   - 52.1402 - Marketing Research
   - 52.1403 - International Marketing
   - 52.1404 - Digital Marketing
   - 52.1499 - Marketing, Other

52.15 - Real Estate
   - 52.1501 - Real Estate

52.16 - Taxation
   - 52.1601 - Taxation
52.17 - Insurance
   • 52.1701 - Insurance

52.18 - General Sales, Merchandising and Related Marketing Operations
   • 52.1801 - Sales, Distribution, and Marketing Operations, General
   • 52.1802 - Merchandising and Buying Operations
   • 52.1803 - Retailing and Retail Operations
   • 52.1804 - Selling Skills and Sales Operations
   • 52.1899 - General Merchandising, Sales, and Related Marketing Operations, Other

52.19 - Specialized Sales, Merchandising and Marketing Operations
   • 52.1901 - Auctioneering
   • 52.1902 - Fashion Merchandising
   • 52.1903 - Fashion Modeling
   • 52.1904 - Apparel and Accessories Marketing Operations
   • 52.1905 - Tourism and Travel Services Marketing Operations
   • 52.1906 - Tourism Promotion Operations
   • 52.1907 - Vehicle and Vehicle Parts and Accessories Marketing Operations
   • 52.1908 - Business and Personal/Financial Services Marketing Operations
   • 52.1909 - Special Products Marketing Operations
   • 52.1910 - Hospitality and Recreation Marketing Operations
   • 52.1999 - Specialized Merchandising, Sales, and Marketing Operations, Other

52.20 - Construction Management
   • 52.2001 - Construction Management, General
   • 52.2002 - Construction Project Management
   • 52.2099 - Construction Management, Other

52.21 - Telecommunications Management
   • 52.2101 - Telecommunications Management

52.99 - Business, Management, Marketing, and Related Support Services, Other
   • 52.9999 - Business, Management, Marketing, and Related Support Services, Other

11 Computer and Information Sciences and Support Services

11.01 - Computer and Information Sciences, General
   • 11.0101 - Computer and Information Sciences, General
   • 11.0102 - Artificial Intelligence
   • 11.0103 - Information Technology
   • 11.0104 - Informatics
   • 11.0105 - Human-Centered Technology Design
   • 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
   • 11.0204 - Computer Game Programming
   • 11.0205 - Computer Programming, Specific Platforms
   • 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
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- 11.06 - Data Entry/Microcomputer Applications
  - 11.0601 - Data Entry/Microcomputer Applications, General
  - 11.0602 - Word Processing
  - 11.0699 - Data Entry/Microcomputer Applications, Other
- 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
  - 11.0804 - Modeling, Virtual Environments and Simulation
  - 11.0899 - Computer Software and Media Applications, Other
- 11.09 - Computer Systems Networking and Telecommunications
  - 11.0901 - Computer Systems Networking and Telecommunications
  - 11.0902 - Cloud Computing
  - 11.0999 - Computer Systems Networking and Telecommunications, Other
- 11.10 - Computer/Information Technology Administration and Management
  - 11.1001 - Network and System Administration/Administrator
  - 11.1002 - System, Networking, and LAN/WAN Management/Manager
  - 11.1003 - Computer and Information Systems Security/Auditing/Information Assurance
  - 11.1004 - Web/Multimedia Management and Webmaster
  - 11.1005 - Information Technology Project Management
  - 11.1006 - Computer Support Specialist
  - 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 Engineering
  - 14.01 - Engineering, General
    - 14.0101 - Engineering, General
    - 14.0102 - Pre-Engineering
    - 14.0103 - Applied Engineering
  - 14.02 - Aerospace, Aeronautical, and Astronautical/Space Engineering
    - 14.0201 - Aerospace, Aeronautical, and Astronautical/Space Engineering, General
    - 14.0202 - Astronautical Engineering
    - 14.0299 - Aerospace, Aeronautical, and Astronautical/Space Engineering, Other
  - 14.03 - Agricultural Engineering
    - 14.0301 - Agricultural Engineering
  - 14.04 - Architectural Engineering
    - 14.0401 - Architectural Engineering
  - 14.05 - Biomedical/Medical Engineering
    - 14.0501 - Bioengineering and Biomedical Engineering
  - 14.06 - Ceramic Sciences and Engineering
    - 14.0601 - Ceramic Sciences and Engineering
  - 14.07 - Chemical Engineering
    - 14.0701 - Chemical Engineering
    - 14.0702 - Chemical and Biomolecular Engineering
    - 14.0799 - Chemical Engineering, Other
  - 14.08 - Civil Engineering
    - 14.0801 - Civil Engineering, General
    - 14.0802 - Geotechnical and Geoenvironmental Engineering
    - 14.0803 - Structural 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  
  • 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 and Electronics Engineering  
  • 14.1003 - Laser and Optical Engineering  
  • 14.1004 - Telecommunications Engineering  
  • 14.1099 - Electrical, Electronics, and Communications Engineering, Other  
• 14.11 - Engineering Mechanics  
  • 14.1101 - Engineering Mechanics  
• 14.12 - Engineering Physics  
  • 14.1201 - Engineering Physics/Applied 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  
• 14.32 - 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
The State of Geography

- 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
- 14.40 - Paper Science and Engineering
  - 14.4001 - Paper Science and Engineering
- 14.41 - Electromechanical Engineering
  - 14.4101 - Electromechanical Engineering
- 14.42 - Mechatronics, Robotics, and Automation Engineering
  - 14.4201 - Mechatronics, Robotics, and Automation Engineering
- 14.43 - Biochemical Engineering
  - 14.4301 - Biochemical Engineering
- 14.44 - Engineering Chemistry
  - 14.4401 - Engineering Chemistry
- 14.45 - Biological/Biosystems Engineering
  - 14.4501 - Biological/Biosystems Engineering
- 14.47 - Electrical and Computer Engineering
  - 14.4701 - Electrical and Computer Engineering
- 14.48 - Energy Systems Engineering
  - 14.4801 - Energy Systems Engineering, General
  - 14.4802 - Power Plant Engineering
  - 14.4899 - Energy Systems Engineering, Other
- 14.99 - Engineering, Other
  - 14.9999 - Engineering, Other

  \textit{40 Physical Sciences}

- 40.01 - Physical Sciences, General
  - 40.0101 - Physical Sciences, General
- 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 Chemistry
  - 40.0507 - Polymer Chemistry
  - 40.0508 - Chemical Physics
  - 40.0509 - Environmental Chemistry
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- **45.05 - Demography**
  - 45.0501 - Demography and Population Studies
  - 45.0502 - Applied Demography
  - 45.0599 - Demography, Other
- **45.06 - Economics**
  - 45.0601 - Economics, General
  - 45.0602 - Applied Economics
  - 45.0603 - Econometrics and Quantitative Economics
  - 45.0604 - Development Economics and International Development
  - 45.0605 - International Economics
  - 45.0699 - Economics, Other
- **45.07 - Geography and Cartography**
  - 45.0701 - Geography
  - 45.0702 - Geographic Information Science and Cartography
  - 45.0799 - Geography, Other
- **45.09 - International Relations and National Security Studies**
  - 45.0901 - International Relations and Affairs
  - 45.0902 - National Security Policy Studies
  - 45.0999 - International Relations and National Security Studies, Other
- **45.10 - Political Science and Government**
  - 45.1001 - Political Science and Government, General
  - 45.1002 - American Government and Politics (United States)
  - 45.1003 - Canadian Government and Politics
  - 45.1004 - Political Economy
  - 45.1099 - Political Science and Government, Other
- **45.11 - Sociology**
  - 45.1101 - Sociology, General
  - 45.1102 - Applied/Public Sociology
  - 45.1103 - Rural Sociology
  - 45.1199 - Sociology, Other
- **45.12 - Urban Studies/Affairs**
  - 45.1201 - Urban Studies/Affairs
- **45.13 - Sociology and Anthropology**
  - 45.1301 - Sociology and Anthropology
- **45.15 - Geography and Anthropology**
  - 45.1501 - Geography and Anthropology
- **45.99 - Social Sciences, Other**
  - 45.9999 - Social Sciences, Other

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*Higher Education*

- 99 Grand Total