

APPENDIX TABLE 2-34

First university degrees, by selected region, country, or economy: 2014 or most recent year

(Number)

| Region, country, or economy | Field of first university degree | | | | | | | | S&E (%) | Natural sciences (%) | Engineering (%) |
|-----------------------------|----------------------------------|----------------|---|-------------------|-----------------------|--------------------------------|-------------|----------------------|---------|----------------------|-----------------|
| | All fields | All S&E fields | Physical and biological sciences and mathematics and statistics | Computer sciences | Agricultural sciences | Social and behavioral sciences | Engineering | Non-S&E ^a | | | |
| Asia ^b | | | | | | | | | | | |
| Armenia (2015) | 19,702 | 7,833 | 1,659 | 499 | 671 | 4,177 | 827 | 11,869 | 39.8 | 14.4 | 4.2 |
| Cambodia (2008) | 16,435 | 5,250 | 441 | 1,122 | 312 | 2,850 | 525 | 11,185 | 31.9 | 11.4 | 3.2 |
| China ^c | 3,413,787 | 1,653,565 | 255,304 | NA | 59,796 | 206,239 | 1,132,226 | 1,760,222 | 48.4 | 9.2 | 33.2 |
| Georgia | 15,516 | 1,409 | NA | NA | 321 | NA | 1,088 | 14,107 | 9.1 | 2.1 | 7.0 |
| India ^d | 6,294,907 | 1,877,421 | 849,258 | 182,261 | 29,265 | NA | 816,637 | 4,417,486 | 29.8 | 16.9 | 13.0 |
| Indonesia (2012) | 604,435 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Japan ^e | 565,573 | 315,812 | 17,828 | NA | 17,326 | 193,974 | 86,684 | 249,761 | 55.8 | 6.2 | 15.3 |
| Kyrgyzstan | 39,933 | 8,155 | NA | NA | 385 | NA | 7,770 | 31,778 | 20.4 | 1.0 | 19.5 |
| Malaysia (2015) | 98,055 | 42,857 | 7,187 | 3,158 | 1,428 | 13,689 | 17,395 | 55,198 | 43.7 | 12.0 | 17.7 |
| Mongolia | 29,477 | 4,878 | NA | NA | 784 | NA | 4,094 | 24,599 | 16.5 | 2.7 | 13.9 |
| Myanmar (2011) | 118,066 | 55,284 | 39,095 | 1,411 | 752 | 11,718 | 2,308 | 62,782 | 46.8 | 34.9 | 2.0 |
| Singapore ^f | 15,041 | 7,107 | 1,889 | 997 | NA | NA | 4,221 | 7,934 | 47.3 | 19.2 | 28.1 |



| Region, country, or economy | Field of first university degree | | | | | | | | S&E (%) | Natural sciences (%) | Engineering (%) |
|-----------------------------|----------------------------------|----------------|---|-------------------|-----------------------|--------------------------------|-------------|----------------------|---------|----------------------|-----------------|
| | All fields | All S&E fields | Physical and biological sciences and mathematics and statistics | Computer sciences | Agricultural sciences | Social and behavioral sciences | Engineering | Non-S&E ^a | | | |
| South Korea | 329,444 | 134,761 | 20,224 | 11,584 | 4,473 | 20,596 | 77,884 | 194,683 | 40.9 | 11.0 | 23.6 |
| Taiwan | 228,762 | 83,394 | 9,408 | 13,694 | 4,756 | 7,538 | 47,998 | 145,368 | 36.5 | 12.2 | 21.0 |
| Middle East ^b | | | | | | | | | | | |
| Iran (2015) | 450,153 | 245,453 | 30,021 | 35,679 | 15,088 | 23,946 | 140,719 | 204,700 | 54.5 | 17.9 | 31.3 |
| Israel | 50,861 | 23,786 | 2,019 | 1,883 | 298 | 13,173 | 6,414 | 27,075 | 46.8 | 8.3 | 12.6 |
| Jordan (2011) | 55,278 | 9,638 | 952 | 2,850 | 1,800 | 2,091 | 1,945 | 45,640 | 17.4 | 10.1 | 3.5 |
| Lebanon (2011) | 25,926 | 9,436 | 2,635 | 619 | 152 | 3,003 | 3,027 | 16,490 | 36.4 | 13.1 | 11.7 |
| Palestine (2015) | 29,905 | 8,246 | 1,140 | 1,187 | 245 | 3,008 | 2,666 | 21,659 | 27.6 | 8.6 | 8.9 |
| Qatar | 1,662 | 268 | NA | NA | NA | NA | 268 | 1,394 | 16.1 | NA | 16.1 |
| Saudi Arabia (2015) | 133,833 | 41,389 | 15,264 | 5,663 | 320 | 14,195 | 5,947 | 92,444 | 30.9 | 15.9 | 4.4 |
| United Arab Emirates (2015) | 16,934 | 6,135 | 273 | 1,068 | 42 | 2,101 | 2,651 | 10,799 | 36.2 | 8.2 | 15.7 |
| Africa ^b | | | | | | | | | | | |
| Egypt (2013) | 413,495 | 45,948 | NA | NA | 10,000 | NA | 35,948 | 367,547 | 11.1 | 2.4 | 8.7 |
| Ethiopia (2012) | 79,677 | 35,763 | 7,101 | 13,181 | 3,227 | 12,045 | 209 | 43,914 | 44.9 | 29.5 | 0.3 |
| Ghana (2013) | 44,246 | 4,442 | NA | NA | 1,505 | NA | 2,937 | 39,804 | 10.0 | 3.4 | 6.6 |
| Madagascar | 9,926 | 872 | NA | NA | 217 | NA | 655 | 9,054 | 8.8 | 2.2 | 6.6 |



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| | All fields | All S&E fields | Physical and biological sciences and mathematics and statistics | Computer sciences | Agricultural sciences | Social and behavioral sciences | Engineering | Non-S&E ^a | | | |
| Mozambique (2010) | 1,022 | 129 | NA | NA | 67 | NA | 62 | 893 | 12.6 | 6.6 | 6.1 |
| South Africa | 85,203 | 32,208 | 7,600 | 2,670 | 1,676 | 13,156 | 7,106 | 52,995 | 38 | 14 | 8 |
| Sudan (2012) | 71,430 | 17,393 | 2,276 | 3,531 | 3,268 | 2,863 | 5,455 | 54,037 | 24.3 | 12.7 | 7.6 |
| Europe ^b | | | | | | | | | | | |
| EU | | | | | | | | | | | |
| Austria | 37,254 | 14,285 | 2,412 | 1,467 | 376 | 5,050 | 4,981 | 22,968 | 38.3 | 11.4 | 13.4 |
| Belgium | 61,356 | 18,109 | 1,556 | 1,280 | 1,536 | 6,372 | 7,365 | 43,247 | 29.5 | 7.1 | 12.0 |
| Bulgaria | 40,022 | 15,863 | 712 | 1,146 | 654 | 6,468 | 6,883 | 24,159 | 39.6 | 6.3 | 17.2 |
| Croatia | 21,661 | 6,900 | 890 | 703 | 882 | 1,416 | 3,009 | 14,761 | 31.9 | 11.4 | 13.9 |
| Cyprus | 3,677 | 1,232 | 146 | 147 | 29 | 312 | 598 | 2,445 | 33.5 | 8.8 | 16.3 |
| Czech Republic | 59,735 | 19,955 | 3,665 | 2,716 | 1,818 | 4,730 | 7,026 | 39,780 | 33.4 | 13.7 | 11.8 |
| Denmark | 41,234 | 10,416 | 1,356 | 1,537 | 409 | 3,031 | 4,083 | 30,818 | 25.3 | 8.0 | 9.9 |
| Estonia | 7,398 | 2,450 | 309 | 371 | 130 | 536 | 1,104 | 4,948 | 33.1 | 10.9 | 14.9 |
| Finland | 35,061 | 11,679 | 786 | 1,151 | 714 | 1,671 | 7,357 | 23,382 | 33.3 | 7.6 | 21.0 |
| France | 327,823 | 115,039 | 21,476 | 12,123 | 3,754 | 33,196 | 44,490 | 212,784 | 35.1 | 11.4 | 13.6 |
| Germany | 374,904 | 156,600 | 29,659 | 15,695 | 7,440 | 22,756 | 81,051 | 218,304 | 41.8 | 14.1 | 21.6 |



| Region, country, or economy | Field of first university degree | | | | | | | | S&E (%) | Natural sciences (%) | Engineering (%) |
|-----------------------------|----------------------------------|----------------|---|-------------------|-----------------------|--------------------------------|-------------|----------------------|---------|----------------------|-----------------|
| | All fields | All S&E fields | Physical and biological sciences and mathematics and statistics | Computer sciences | Agricultural sciences | Social and behavioral sciences | Engineering | Non-S&E ^a | | | |
| United Kingdom | 444,152 | 180,340 | 72,818 | 17,843 | 4,011 | 48,579 | 37,089 | 263,812 | 40.6 | 21.3 | 8.4 |
| Other Europe | | | | | | | | | | | |
| Albania (2015) | 20,401 | 6,140 | 1,119 | 1,149 | 958 | 1,294 | 1,620 | 14,261 | 30.1 | 15.8 | 7.9 |
| Iceland (2012) | 2,828 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Macedonia | 9,863 | 2,980 | 252 | 715 | 235 | 547 | 1,231 | 6,883 | 30.2 | 12.2 | 12.5 |
| Norway | 33,297 | 8,353 | 827 | 1,137 | 198 | 3,054 | 3,137 | 24,944 | 25.1 | 6.5 | 9.4 |
| Russia (2012) | 1,406,050 | 445,011 | 22,913 | 63,072 | 21,093 | 92,818 | 245,115 | 961,039 | 31.6 | 7.6 | 17.4 |
| Switzerland | 52,405 | 15,922 | 1,898 | 1,336 | 770 | 3,033 | 8,885 | 36,483 | 30.4 | 7.6 | 17.0 |
| Turkey | 399,049 | 128,672 | 28,154 | 917 | 8,050 | 47,834 | 43,717 | 270,377 | 32.2 | 9.3 | 11.0 |
| Ukraine (2015) | 121,182 | 32,536 | 2,323 | 1,449 | 2,673 | 7,687 | 18,404 | 88,646 | 26.8 | 5.3 | 15.2 |
| America ^b | | | | | | | | | | | |
| North America | | | | | | | | | | | |
| Canada (2013) | 193,455 | 76,938 | 21,025 | 3,740 | 1,092 | 35,611 | 15,470 | 116,517 | 39.8 | 13.4 | 8.0 |
| Mexico (2013) | 450,922 | 180,755 | 12,768 | 12,557 | 8,895 | 46,204 | 100,331 | 270,167 | 40.1 | 7.6 | 22.3 |
| United States | 1,890,941 | 741,763 | 177,001 | 61,285 | 19,621 | 364,358 | 119,498 | 1,149,178 | 39.2 | 13.6 | 6.3 |



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|-------------------------------|----------------------------------|----------------|---|-------------------|-----------------------|--------------------------------|-------------|----------------------|---------|----------------------|-----------------|
| | All fields | All S&E fields | Physical and biological sciences and mathematics and statistics | Computer sciences | Agricultural sciences | Social and behavioral sciences | Engineering | Non-S&E ^a | | | |
| Central America and Caribbean | | | | | | | | | | | |
| Costa Rica (2015) | 41,546 | 8,834 | 335 | 2,020 | 427 | 2,848 | 3,204 | 32,712 | 21.3 | 6.7 | 7.7 |
| Cuba | 70,341 | 4,076 | NA | NA | 1,923 | NA | 2,153 | 66,265 | 5.8 | 2.7 | 3.1 |
| Guatemala (2007) | 3,751 | 1,808 | 118 | * | 307 | 531 | 852 | 1,943 | 48.2 | 11.3 | 22.7 |
| El Salvador | 12,492 | 2,331 | NA | NA | 191 | NA | 2,140 | 10,161 | 18.7 | 1.5 | 17.1 |
| Honduras (2013) | 15,319 | 2,693 | NA | NA | 586 | NA | 2,107 | 12,626 | 17.6 | 3.8 | 13.8 |
| Panama (2013) | 15,184 | 1,747 | NA | NA | 102 | NA | 1,645 | 13,437 | 11.5 | 0.7 | 10.8 |
| South America | | | | | | | | | | | |
| Argentina | 76,413 | 7,959 | 4,686 | NA | 3,273 | NA | NA | 68,454 | 10.4 | 10.4 | NA |
| Brazil (2012) | 861,378 | 165,079 | 20,567 | 19,536 | 16,752 | 47,012 | 61,212 | 696,299 | 19.2 | 6.6 | 7.1 |
| Chile | 37,286 | 11,988 | 207 | 2,860 | 438 | 1,887 | 6,596 | 25,298 | 32.2 | 9.4 | 17.7 |
| Colombia (2014) | 167,897 | 40,932 | NA | NA | 2,384 | NA | 38,548 | 126,965 | 24.4 | 1.4 | 23.0 |



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| Uruguay (2010) | 6,895 | 2,377 | 302 | 243 | 326 | 938 | 568 | 4,518 | 34.5 | 12.6 | 8.2 |
| Venezuela (2009) | 98,035 | 24,151 | 856 | 452 | 1,409 | 5,816 | 15,618 | 73,884 | 24.6 | 2.8 | 15.9 |
| Oceania ^b | | | | | | | | | | | |
| Australia | 239,223 | 65,744 | 14,855 | 9,515 | 1,403 | 18,909 | 21,062 | 173,479 | 27.5 | 10.8 | 8.8 |
| New Zealand | 34,992 | 11,306 | 2,642 | 1,802 | 344 | 3,704 | 2,814 | 23,686 | 32.3 | 13.7 | 8.0 |

* = nil or negligible; NA = not available.

EU = European Union.

^a Includes field unknown or unspecified.

^b Includes only locations for which relatively recent data are available.

^c China data include computer sciences under engineering.

^d India data include social sciences in humanities and arts (non-S&E).

^e In data for Japan, mathematics are included in natural sciences, computer sciences are included in engineering, and business administration is included in social science. Japan data include thesis doctorates, called *ronbun hakase*, earned by employees in industry.

^f Singapore data include social sciences in humanities (non-S&E).

Note(s)



Physical and biological sciences and mathematics and statistics include biological and related sciences, environmental sciences, and physical sciences. Computer sciences include information and communication technologies. Agricultural sciences include agriculture, forestry, fisheries, and veterinary sciences. Social and behavioral sciences include social and behavioral sciences, and journalism and information. Engineering includes engineering and engineering trades, manufacturing and processing, and architecture and construction. To facilitate international comparison, data for the United States reflect the most recent classification in the International Standard Classification of Education Fields of Education and Training (ISCED-F), which varies slightly from the National Science Foundation classification of fields presented in other sections of the chapter. Data for first university degrees use ISCED 2011 level 6 (bachelor's or equivalent first degrees) and level 7 (master's or equivalent long first degrees). S&E data do not include health fields.

Source(s)

United Nations Educational, Scientific and Cultural Organization (UNESCO) Institute for Statistics database, special tabulations (2016); Organisation for Economic Co-operation and Development (OECD), OECD.Stat, <https://stats.oecd.org/>; National Bureau of Statistics of China, *China Statistical Yearbook* (Beijing) (2015); Government of India, Ministry of Human Resource Development, Department of Higher Education, All India Survey on Higher Education 2014–15 (2016); Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Survey of Education (2016); Government of Singapore, Ministry of Education, *Education Statistics Digest: 2015*; Ministry of Education, *Educational Statistics of the Republic of China (Taiwan): 2015* (2016); National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey; National Science Foundation, National Center for Science and Engineering Statistics, Integrated Science and Engineering Resources Data System (WebCASPAR), <https://ncesdata.nsf.gov/webcaspar/>.

Science and Engineering Indicators 2018