

**Summary of Degree Awards in Data Science & Technology, Science, Engineering*, Healthcare, and Education
in 2016-17 and 2017-18 and Annual Changes**

| Institution & 2 Digit CIP | 2016-17 | | | | 2017-18 | | | | Annual Change from 2016-17 to 2017-18 | | | | |
|---------------------------------|-----------|---------|-----------|--------------------|-----------|---------|-----------|--------------------|---------------------------------------|---------|-----------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Christopher Newport | | | | | | | | | | | | | |
| Education (13) | 0 | 70 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 7 | 0 | 0 | 7 |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 187 | 0 | 0 | 0 | 158 | 0 | 0 | 0 | (29) | 0 | 0 | 0 | (29) |
| Physical Sci. (40) | 23 | 9 | 0 | 0 | 28 | 7 | 0 | 0 | 5 | (2) | 0 | 0 | 3 |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 107 | 0 | 0 | 0 | 108 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Total | 317 | 79 | 0 | 0 | 294 | 84 | 0 | 0 | (23) | 5 | 0 | 0 | (18) |
| George Mason University | | | | | | | | | | | | | |
| Education (13) | 84 | 778 | 45 | 0 | 76 | 825 | 53 | 0 | (8) | 47 | 8 | 0 | 47 |
| Engineering (14)* | 181 | 73 | 9 | 0 | 199 | 74 | 10 | 0 | 18 | 1 | 1 | 0 | 20 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 350 | 45 | 18 | 0 | 342 | 55 | 13 | 0 | (8) | 10 | (5) | 0 | (3) |
| Physical Sci. (40) | 67 | 17 | 18 | 0 | 93 | 16 | 22 | 0 | 26 | (1) | 4 | 0 | 29 |
| Health (51) | 525 | 151 | 24 | 0 | 536 | 137 | 28 | 0 | 11 | (14) | 4 | 0 | 1 |
| Data Sci&Tech (11,14,25,52) | 821 | 452 | 40 | 0 | 908 | 482 | 44 | 0 | 87 | 30 | 4 | 0 | 121 |
| Total | 2,028 | 1,516 | 154 | 0 | 2,154 | 1,589 | 170 | 0 | 126 | 73 | 16 | 0 | 215 |
| James Madison University | | | | | | | | | | | | | |
| Education (13) | 0 | 325 | 0 | 0 | 0 | 362 | 0 | 0 | 0 | 37 | 0 | 0 | 37 |
| Engineering (14)* | 55 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 219 | 11 | 0 | 0 | 219 | 6 | 0 | 0 | 0 | (5) | 0 | 0 | (5) |
| Physical Sci. (40) | 90 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | (17) | 0 | 0 | 0 | (17) |
| Health (51) | 840 | 123 | 13 | 0 | 842 | 123 | 14 | 0 | 2 | 0 | 1 | 0 | 3 |
| Data Sci&Tech (11,14,25,52) | 288 | 9 | 0 | 0 | 307 | 5 | 0 | 0 | 19 | (4) | 0 | 0 | 15 |
| Total | 1,492 | 468 | 13 | 0 | 1,508 | 496 | 14 | 0 | 16 | 28 | 1 | 0 | 45 |
| Longwood University | | | | | | | | | | | | | |
| Education (13) | 0 | 111 | 0 | 0 | 0 | 137 | 0 | 0 | 0 | 26 | 0 | 0 | 26 |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 57 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | (7) | 0 | 0 | 0 | (7) |
| Physical Sci. (40) | 16 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | (5) | 0 | 0 | 0 | (5) |
| Health (51) | 92 | 20 | 0 | 0 | 94 | 21 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| Data Sci&Tech (11,14,25,52) | 26 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| Total | 191 | 131 | 0 | 0 | 184 | 158 | 0 | 0 | (7) | 27 | 0 | 0 | 20 |
| Norfolk State University | | | | | | | | | | | | | |
| Education (13) | 17 | 54 | 0 | 0 | 8 | 62 | 0 | 0 | (9) | 8 | 0 | 0 | (1) |
| Engineering (14)* | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | (1) | 0 | 0 | 0 | (1) |
| Eng. Technologies (15) | 31 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | (12) | 0 | 0 | 0 | (12) |
| Biology (26) | 67 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | (13) | 0 | 0 | 0 | (13) |
| Physical Sci. (40) | 15 | 5 | 2 | 0 | 12 | 5 | 7 | 0 | (3) | 0 | 5 | 0 | 2 |
| Health (51) | 103 | 0 | 0 | 0 | 92 | 0 | 0 | 0 | (11) | 0 | 0 | 0 | (11) |
| Data Sci&Tech (11,14,25,52) | 60 | 25 | 0 | 0 | 37 | 45 | 0 | 0 | (23) | 20 | 0 | 0 | (3) |
| Total | 299 | 84 | 2 | 0 | 227 | 112 | 7 | 0 | (72) | 28 | 5 | 0 | (39) |

**Summary of Degree Awards in Data Science & Technology, Science, Engineering*, Healthcare, and Education (Cont.)
in 2016-17 and 2017-18 and Annual Changes**

| Institution & 2 Digit CIP | 2016-17 | | | | 2017-18 | | | | Annual Change from 2016-17 to 2017-18 | | | | |
|---|-----------|---------|-----------|--------------------|-----------|---------|-----------|--------------------|---------------------------------------|---------|-----------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Old Dominion University | | | | | | | | | | | | | |
| Education (13) | 291 | 361 | 56 | 0 | 231 | 380 | 52 | 0 | (60) | 19 | (4) | 0 | (45) |
| Engineering (14)* | 205 | 245 | 33 | 0 | 223 | 236 | 34 | 0 | 18 | (9) | 1 | 0 | 10 |
| Eng. Technologies (15) | 172 | 0 | 0 | 0 | 154 | 0 | 0 | 0 | (18) | 0 | 0 | 0 | (18) |
| Biology (26) | 230 | 10 | 3 | 0 | 213 | 12 | 6 | 0 | (17) | 2 | 3 | 0 | (12) |
| Physical Sci. (40) | 35 | 20 | 13 | 0 | 28 | 19 | 11 | 0 | (7) | (1) | (2) | 0 | (10) |
| Health (51) | 808 | 117 | 79 | 0 | 752 | 129 | 83 | 0 | (56) | 12 | 4 | 0 | (40) |
| Data Sci&Tech (11,14,25,52) | 326 | 48 | 8 | 0 | 367 | 45 | 8 | 0 | 41 | (3) | 0 | 0 | 38 |
| Total | 2,067 | 801 | 192 | 0 | 1,968 | 821 | 194 | 0 | (99) | 20 | 2 | 0 | (77) |
| Radford University | | | | | | | | | | | | | |
| Education (13) | 158 | 128 | 0 | 0 | 135 | 129 | 0 | 0 | (23) | 1 | 0 | 0 | (22) |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 83 | 0 | 0 | 0 | 82 | 0 | 0 | 0 | (1) | 0 | 0 | 0 | (1) |
| Physical Sci. (40) | 50 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | (20) | 0 | 0 | 0 | (20) |
| Health (51) | 108 | 48 | 32 | 0 | 128 | 48 | 34 | 0 | 20 | 0 | 2 | 0 | 22 |
| Data Sci&Tech (11,14,25,52) | 93 | 0 | 0 | 0 | 88 | 4 | 0 | 0 | (5) | 4 | 0 | 0 | (1) |
| Total | 492 | 176 | 32 | 0 | 463 | 181 | 34 | 0 | (29) | 5 | 2 | 0 | (22) |
| University of Mary Washington | | | | | | | | | | | | | |
| Education (13) | 0 | 120 | 0 | 0 | 0 | 106 | 0 | 0 | 0 | (14) | 0 | 0 | (14) |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 84 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | (5) | 0 | 0 | 0 | (5) |
| Physical Sci. (40) | 57 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | (14) | 0 | 0 | 0 | (14) |
| Health (51) | 22 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 |
| Data Sci&Tech (11,14,25,52) | 72 | 2 | 0 | 0 | 67 | 2 | 0 | 0 | (5) | 0 | 0 | 0 | (5) |
| Total | 235 | 122 | 0 | 0 | 219 | 108 | 0 | 0 | (16) | (14) | 0 | 0 | (30) |
| University of Virginia | | | | | | | | | | | | | |
| Education (13) | 0 | 267 | 47 | 0 | 0 | 326 | 32 | 0 | 0 | 59 | (15) | 0 | 44 |
| Engineering (14)* | 471 | 74 | 54 | 0 | 458 | 110 | 51 | 0 | (13) | 36 | (3) | 0 | 20 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 315 | 2 | 40 | 0 | 332 | 2 | 43 | 0 | 17 | 0 | 3 | 0 | 20 |
| Physical Sci. (40) | 177 | 25 | 37 | 0 | 164 | 20 | 28 | 0 | (13) | (5) | (9) | 0 | (27) |
| Health (51) | 147 | 182 | 27 | 152 | 158 | 189 | 30 | 157 | 11 | 7 | 3 | 5 | 26 |
| Data Sci&Tech (11,14,25,52) | 345 | 204 | 23 | 0 | 331 | 217 | 42 | 0 | (14) | 13 | 19 | 0 | 18 |
| Total | 1,455 | 754 | 228 | 152 | 1,443 | 864 | 226 | 157 | (12) | 110 | (2) | 5 | 101 |
| Virginia Commonwealth University | | | | | | | | | | | | | |
| Education (13) | 280 | 232 | 47 | 0 | 302 | 207 | 43 | 0 | 22 | (25) | (4) | 0 | (7) |
| Engineering (14)* | 202 | 25 | 25 | 0 | 187 | 27 | 26 | 0 | (15) | 2 | 1 | 0 | (12) |
| Eng. Technologies (15) | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 5 | 0 | 5 |
| Biology (26) | 368 | 48 | 41 | 0 | 359 | 56 | 40 | 0 | (9) | 8 | (1) | 0 | (2) |
| Physical Sci. (40) | 165 | 13 | 12 | 0 | 159 | 5 | 11 | 0 | (6) | (8) | (1) | 0 | (15) |
| Health (51) | 341 | 291 | 128 | 437 | 303 | 267 | 145 | 444 | (38) | (24) | 17 | 7 | (38) |
| Data Sci&Tech (11,14,25,52) | 332 | 121 | 1 | 0 | 354 | 97 | 5 | 0 | 22 | (24) | 4 | 0 | 2 |
| Total | 1,688 | 730 | 255 | 437 | 1,664 | 659 | 276 | 444 | (24) | (71) | 21 | 7 | (67) |

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| Institution & 2 Digit CIP | 2016-17 | | | | 2017-18 | | | | Annual Change from 2016-17 to 2017-18 | | | | |
|------------------------------------|---------------|--------------|--------------|--------------------|---------------|--------------|--------------|--------------------|---------------------------------------|------------|-------------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Virginia Military Institute | | | | | | | | | | | | | |
| Education (13) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering (14)* | 84 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 13 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Physical Sci. (40) | 21 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 38 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 |
| Total | 183 | 0 | 0 | 0 | 226 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 43 |
| Virginia State University | | | | | | | | | | | | | |
| Education (13) | 79 | 32 | 5 | 0 | 75 | 29 | 11 | 0 | (4) | (3) | 6 | 0 | (1) |
| Engineering (14)* | 20 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | (12) | 0 | 0 | 0 | (12) |
| Eng. Technologies (15) | 38 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | (8) | 0 | 0 | 0 | (8) |
| Biology (26) | 36 | 13 | 0 | 0 | 37 | 14 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| Physical Sci. (40) | 6 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 63 | 16 | 0 | 0 | 58 | 18 | 0 | 0 | (5) | 2 | 0 | 0 | (3) |
| Total | 242 | 61 | 5 | 0 | 215 | 61 | 11 | 0 | (27) | 0 | 6 | 0 | (21) |
| Virginia Tech | | | | | | | | | | | | | |
| Education (13) | 0 | 193 | 68 | 0 | 0 | 165 | 49 | 0 | 0 | (28) | (19) | 0 | (47) |
| Engineering (14)* | 1,306 | 335 | 128 | 0 | 1,112 | 374 | 138 | 0 | (194) | 39 | 10 | 0 | (145) |
| Eng. Technologies (15) | 18 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 15 |
| Biology (26) | 449 | 29 | 39 | 0 | 485 | 26 | 23 | 0 | 36 | (3) | (16) | 0 | 17 |
| Physical Sci. (40) | 168 | 19 | 44 | 0 | 173 | 15 | 35 | 0 | 5 | (4) | (9) | 0 | (8) |
| Health (51) | 0 | 42 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | (6) | 0 | 0 | (6) |
| Data Sci&Tech (11,14,25,52) | 928 | 293 | 99 | 0 | 1,002 | 300 | 98 | 0 | 74 | 7 | (1) | 0 | 80 |
| Total | 2,869 | 911 | 378 | 0 | 2,805 | 916 | 343 | 0 | (64) | 5 | (35) | 0 | (94) |
| William and Mary | | | | | | | | | | | | | |
| Education (13) | 0 | 120 | 25 | 0 | 0 | 139 | 36 | 0 | 0 | 19 | 11 | 0 | 30 |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 201 | 17 | 6 | 0 | 217 | 15 | 12 | 0 | 16 | (2) | 6 | 0 | 20 |
| Physical Sci. (40) | 135 | 22 | 16 | 0 | 95 | 19 | 16 | 0 | (40) | (3) | 0 | 0 | (43) |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 144 | 75 | 8 | 0 | 137 | 103 | 9 | 0 | (7) | 28 | 1 | 0 | 22 |
| Total | 480 | 234 | 55 | 0 | 449 | 276 | 73 | 0 | (31) | 42 | 18 | 0 | 29 |
| All Institutions' Total | 14,038 | 6,067 | 1,314 | 589 | 13,819 | 6,325 | 1,348 | 601 | (219) | 258 | 34 | 12 | 85 |

Note: *Engineering (14) awards excluded those in C16 Data Science and Technology Degree Awards Report, sepecifically CIP Codes 14.0901, 14.0903 and 14.1001.

**Summary of Degree Awards in Data Science & Technology, Science, Engineering*, Healthcare, and Education
in 2017-18 and 2018-19 and Annual Changes**

| Institution & 2 Digit CIP | 2017-18 | | | | 2018-19 | | | | Annual Change from 2017-18 to 2018-19 | | | | |
|---------------------------------|-----------|---------|-----------|--------------------|-----------|---------|-----------|--------------------|---------------------------------------|---------|-----------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Christopher Newport | | | | | | | | | | | | | |
| Education (13) | 0 | 77 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | (17) | 0 | 0 | (17) |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 158 | 0 | 0 | 0 | 172 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| Physical Sci. (40) | 28 | 7 | 0 | 0 | 39 | 6 | 0 | 0 | 11 | (1) | 0 | 0 | 10 |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 108 | 0 | 0 | 0 | 129 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 21 |
| Total | 294 | 84 | 0 | 0 | 340 | 66 | 0 | 0 | 46 | (18) | 0 | 0 | 28 |
| George Mason University | | | | | | | | | | | | | |
| Education (13) | 76 | 825 | 53 | 0 | 77 | 896 | 53 | 0 | 1 | 71 | 0 | 0 | 72 |
| Engineering (14)* | 199 | 74 | 10 | 0 | 225 | 81 | 13 | 0 | 26 | 7 | 3 | 0 | 36 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 342 | 55 | 13 | 0 | 371 | 54 | 21 | 0 | 29 | (1) | 8 | 0 | 36 |
| Physical Sci. (40) | 93 | 16 | 22 | 0 | 63 | 27 | 14 | 0 | (30) | 11 | (8) | 0 | (27) |
| Health (51) | 536 | 137 | 28 | 0 | 547 | 154 | 25 | 0 | 11 | 17 | (3) | 0 | 25 |
| Data Sci&Tech (11,14,25,52) | 908 | 482 | 44 | 0 | 1,054 | 442 | 31 | 0 | 146 | (40) | (13) | 0 | 93 |
| Total | 2,154 | 1,589 | 170 | 0 | 2,337 | 1,654 | 157 | 0 | 183 | 65 | (13) | 0 | 235 |
| James Madison University | | | | | | | | | | | | | |
| Education (13) | 0 | 362 | 0 | 0 | 0 | 334 | 0 | 0 | 0 | (28) | 0 | 0 | (28) |
| Engineering (14)* | 67 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | (5) | 0 | 0 | 0 | (5) |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 219 | 6 | 0 | 0 | 202 | 11 | 0 | 0 | (17) | 5 | 0 | 0 | (12) |
| Physical Sci. (40) | 73 | 0 | 0 | 0 | 82 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| Health (51) | 842 | 123 | 14 | 0 | 879 | 116 | 16 | 0 | 37 | (7) | 2 | 0 | 32 |
| Data Sci&Tech (11,14,25,52) | 307 | 5 | 0 | 0 | 315 | 2 | 0 | 0 | 8 | (3) | 0 | 0 | 5 |
| Total | 1,508 | 496 | 14 | 0 | 1,540 | 463 | 16 | 0 | 32 | (33) | 2 | 0 | 1 |
| Longwood University | | | | | | | | | | | | | |
| Education (13) | 0 | 137 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | (51) | 0 | 0 | (51) |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 50 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| Physical Sci. (40) | 11 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | (2) | 0 | 0 | 0 | (2) |
| Health (51) | 94 | 21 | 0 | 0 | 119 | 24 | 0 | 0 | 25 | 3 | 0 | 0 | 28 |
| Data Sci&Tech (11,14,25,52) | 29 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 184 | 158 | 0 | 0 | 216 | 110 | 0 | 0 | 32 | (48) | 0 | 0 | (16) |
| Norfolk State University | | | | | | | | | | | | | |
| Education (13) | 8 | 62 | 0 | 0 | 16 | 53 | 0 | 0 | 8 | (9) | 0 | 0 | (1) |
| Engineering (14)* | 5 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Eng. Technologies (15) | 19 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | (8) | 0 | 0 | 0 | (8) |
| Biology (26) | 54 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | (25) | 0 | 0 | 0 | (25) |
| Physical Sci. (40) | 12 | 5 | 7 | 0 | 6 | 1 | 5 | 0 | (6) | (4) | (2) | 0 | (12) |
| Health (51) | 92 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | (21) | 0 | 0 | 0 | (21) |
| Data Sci&Tech (11,14,25,52) | 37 | 45 | 0 | 0 | 33 | 26 | 0 | 0 | (4) | (19) | 0 | 0 | (23) |
| Total | 227 | 112 | 7 | 0 | 172 | 80 | 5 | 0 | (55) | (32) | (2) | 0 | (89) |

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in 2017-18 and 2018-19 and Annual Changes**

| Institution & 2 Digit CIP | 2017-18 | | | | 2018-19 | | | | Annual Change from 2017-18 to 2018-19 | | | | |
|---|--------------|------------|------------|--------------------|--------------|------------|------------|--------------------|---------------------------------------|------------|-------------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Old Dominion University | | | | | | | | | | | | | |
| Education (13) | 231 | 380 | 52 | 0 | 188 | 387 | 40 | 0 | (43) | 7 | (12) | 0 | (48) |
| Engineering (14)* | 223 | 236 | 34 | 0 | 194 | 232 | 39 | 0 | (29) | (4) | 5 | 0 | (28) |
| Eng. Technologies (15) | 154 | 0 | 0 | 0 | 174 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 20 |
| Biology (26) | 213 | 12 | 6 | 0 | 235 | 10 | 4 | 0 | 22 | (2) | (2) | 0 | 18 |
| Physical Sci. (40) | 28 | 19 | 11 | 0 | 31 | 24 | 10 | 0 | 3 | 5 | (1) | 0 | 7 |
| Health (51) | 752 | 129 | 83 | 0 | 683 | 124 | 83 | 0 | (69) | (5) | 0 | 0 | (74) |
| Data Sci&Tech (11,14,25,52) | 367 | 45 | 8 | 0 | 390 | 45 | 7 | 0 | 23 | 0 | (1) | 0 | 22 |
| Total | 1,968 | 821 | 194 | 0 | 1,895 | 822 | 183 | 0 | (73) | 1 | (11) | 0 | (83) |
| Radford University | | | | | | | | | | | | | |
| Education (13) | 135 | 129 | 0 | 0 | 150 | 135 | 0 | 0 | 15 | 6 | 0 | 0 | 21 |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 82 | 0 | 0 | 0 | 89 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 7 |
| Physical Sci. (40) | 30 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 15 |
| Health (51) | 128 | 48 | 34 | 0 | 136 | 47 | 35 | 0 | 8 | (1) | 1 | 0 | 8 |
| Data Sci&Tech (11,14,25,52) | 88 | 4 | 0 | 0 | 103 | 5 | 0 | 0 | 15 | 1 | 0 | 0 | 16 |
| Total | 463 | 181 | 34 | 0 | 523 | 187 | 35 | 0 | 60 | 6 | 1 | 0 | 67 |
| University of Mary Washington | | | | | | | | | | | | | |
| Education (13) | 0 | 106 | 0 | 0 | 0 | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 79 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | (3) | 0 | 0 | 0 | (3) |
| Physical Sci. (40) | 43 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Health (51) | 30 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| Data Sci&Tech (11,14,25,52) | 67 | 2 | 0 | 0 | 90 | 0 | 0 | 0 | 23 | (2) | 0 | 0 | 21 |
| Total | 219 | 108 | 0 | 0 | 250 | 106 | 0 | 0 | 31 | (2) | 0 | 0 | 29 |
| University of Virginia | | | | | | | | | | | | | |
| Education (13) | 0 | 326 | 32 | 0 | 0 | 358 | 46 | 0 | 0 | 32 | 14 | 0 | 46 |
| Engineering (14)* | 458 | 110 | 51 | 0 | 416 | 128 | 63 | 0 | (42) | 18 | 12 | 0 | (12) |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 332 | 2 | 43 | 0 | 327 | 1 | 44 | 0 | (5) | (1) | 1 | 0 | (5) |
| Physical Sci. (40) | 164 | 20 | 28 | 0 | 130 | 18 | 31 | 0 | (34) | (2) | 3 | 0 | (33) |
| Health (51) | 158 | 189 | 30 | 157 | 155 | 200 | 25 | 144 | (3) | 11 | (5) | (13) | (10) |
| Data Sci&Tech (11,14,25,52) | 331 | 217 | 42 | 0 | 731 | 193 | 32 | 0 | 400 | (24) | (10) | 0 | 366 |
| Total | 1,443 | 864 | 226 | 157 | 1,759 | 898 | 241 | 144 | 316 | 34 | 15 | (13) | 352 |
| Virginia Commonwealth University | | | | | | | | | | | | | |
| Education (13) | 302 | 207 | 43 | 0 | 379 | 228 | 48 | 0 | 77 | 21 | 5 | 0 | 103 |
| Engineering (14)* | 187 | 27 | 26 | 0 | 190 | 37 | 26 | 0 | 3 | 10 | 0 | 0 | 13 |
| Eng. Technologies (15) | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | (4) | 0 | (4) |
| Biology (26) | 359 | 56 | 40 | 0 | 376 | 53 | 40 | 0 | 17 | (3) | 0 | 0 | 14 |
| Physical Sci. (40) | 159 | 5 | 11 | 0 | 159 | 12 | 21 | 0 | 0 | 7 | 10 | 0 | 17 |
| Health (51) | 303 | 267 | 145 | 444 | 321 | 275 | 172 | 435 | 18 | 8 | 27 | (9) | 44 |
| Data Sci&Tech (11,14,25,52) | 354 | 97 | 5 | 0 | 347 | 90 | 4 | 0 | (7) | (7) | (1) | 0 | (15) |
| Total | 1,664 | 659 | 276 | 444 | 1,772 | 695 | 313 | 435 | 108 | 36 | 37 | (9) | 172 |

**Summary of Degree Awards in Data Science & Technology, Science, Engineering*, Healthcare, and Education (Cont.)
in 2017-18 and 2018-19 and Annual Changes**

| Institution & 2 Digit CIP | 2017-18 | | | | 2018-19 | | | | Annual Change from 2017-18 to 2018-19 | | | | |
|------------------------------------|---------------|--------------|--------------|--------------------|---------------|--------------|--------------|--------------------|---------------------------------------|-------------|------------|--------------------|--------------|
| | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Bachelors | Masters | Doctorate | First Professional | Total Awards |
| Virginia Military Institute | | | | | | | | | | | | | |
| Education (13) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Engineering (14)* | 97 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | (24) | 0 | 0 | 0 | (24) |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 40 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | (6) | 0 | 0 | 0 | (6) |
| Physical Sci. (40) | 25 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | (4) | 0 | 0 | 0 | (4) |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 64 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | (9) | 0 | 0 | 0 | (9) |
| Total | 226 | 0 | 0 | 0 | 183 | 0 | 0 | 0 | (43) | 0 | 0 | 0 | (43) |
| Virginia State University | | | | | | | | | | | | | |
| Education (13) | 75 | 29 | 11 | 0 | 48 | 21 | 16 | 0 | (27) | (8) | 5 | 0 | (30) |
| Engineering (14)* | 8 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| Eng. Technologies (15) | 30 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 15 |
| Biology (26) | 37 | 14 | 0 | 0 | 57 | 7 | 0 | 0 | 20 | (7) | 0 | 0 | 13 |
| Physical Sci. (40) | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | (5) | 0 | 0 | 0 | (5) |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 58 | 18 | 0 | 0 | 47 | 13 | 0 | 0 | (11) | (5) | 0 | 0 | (16) |
| Total | 215 | 61 | 11 | 0 | 209 | 41 | 16 | 0 | (6) | (20) | 5 | 0 | (21) |
| Virginia Tech | | | | | | | | | | | | | |
| Education (13) | 0 | 165 | 49 | 0 | 0 | 168 | 38 | 0 | 0 | 3 | (11) | 0 | (8) |
| Engineering (14)* | 1,112 | 374 | 138 | 0 | 1,291 | 312 | 139 | 0 | 179 | (62) | 1 | 0 | 118 |
| Eng. Technologies (15) | 33 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| Biology (26) | 485 | 26 | 23 | 0 | 494 | 40 | 48 | 0 | 9 | 14 | 25 | 0 | 48 |
| Physical Sci. (40) | 173 | 15 | 35 | 0 | 159 | 18 | 41 | 0 | (14) | 3 | 6 | 0 | (5) |
| Health (51) | 0 | 36 | 0 | 0 | 0 | 28 | 0 | 37 | 0 | (8) | 0 | 37 | 29 |
| Data Sci&Tech (11,14,25,52) | 1,002 | 300 | 98 | 0 | 1,173 | 342 | 77 | 0 | 171 | 42 | (21) | 0 | 192 |
| Total | 2,805 | 916 | 343 | 0 | 3,155 | 908 | 343 | 37 | 350 | (8) | 0 | 37 | 379 |
| William and Mary | | | | | | | | | | | | | |
| Education (13) | 0 | 139 | 36 | 0 | 0 | 129 | 32 | 0 | 0 | (10) | (4) | 0 | (14) |
| Engineering (14)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eng. Technologies (15) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biology (26) | 217 | 15 | 12 | 0 | 189 | 17 | 11 | 0 | (28) | 2 | (1) | 0 | (27) |
| Physical Sci. (40) | 95 | 19 | 16 | 0 | 118 | 13 | 14 | 0 | 23 | (6) | (2) | 0 | 15 |
| Health (51) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Data Sci&Tech (11,14,25,52) | 137 | 103 | 9 | 0 | 130 | 89 | 12 | 0 | (7) | (14) | 3 | 0 | (18) |
| Total | 449 | 276 | 73 | 0 | 437 | 248 | 69 | 0 | (12) | (28) | (4) | 0 | (44) |
| All Institutions' Total | 13,819 | 6,325 | 1,348 | 601 | 14,788 | 6,278 | 1,378 | 616 | 969 | (47) | 30 | 15 | 967 |

Note: *Engineering (14) awards excluded those in C16 Data Science and Technology Degree Awards Report, specifically CIP Codes 14.0901, 14.0903 and 14.1001.

Expected Annual Award Increases and Actual Award Changes by Institution and Area from 2016-17 to 2017-18, and from 2017-18 to 2018-19

| Inst. | Data Science & Tech | | | Science & Engineering | | | Healthcare | | | Education | | | Total | | |
|--------------|--------------------------|--------------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|
| | Expected Annual Increase | Change from 2016-17 to 2017-18 | Change from 2017-18 to 2018-19 | Expected Annual Increase | Change from 2016-17 to 2017-18 | Change from 2017-18 to 2018-19 | Expected Annual Increase | Change from 2016-17 to 2017-18 | Change from 2017-18 to 2018-19 | Expected Annual Increase | Change from 2016-17 to 2017-18 | Change from 2017-18 to 2018-19 | Expected Increase by 2019-20 | Change from 2016-17 to 2017-18 | Change from 2017-18 to 2018-19 |
| CNU | 5 | 1 | 21 | 15 | (26) | 24 | | | | | 7 | (17) | 20 | (18) | 28 |
| GMU | 50 | 121 | 93 | 35 | 46 | 45 | 35 | 1 | 25 | 40 | 47 | 72 | 160 | 215 | 235 |
| JMU | 10 | 15 | 5 | 15 | (10) | (8) | 45 | 3 | 32 | 15 | 37 | (28) | 85 | 45 | 1 |
| LU | | 3 | | 5 | (12) | 7 | 5 | 3 | 28 | 5 | 26 | (51) | 15 | 20 | (16) |
| NSU | 5 | (3) | (23) | 5 | (24) | (44) | 5 | (11) | (21) | 5 | (1) | (1) | 20 | (39) | (89) |
| ODU | 15 | 38 | 22 | 40 | (30) | 17 | 40 | (40) | (74) | 30 | (45) | (48) | 125 | (77) | (83) |
| RU | 5 | (1) | 16 | 5 | (21) | 22 | 10 | 22 | 8 | 10 | (22) | 21 | 30 | (22) | 67 |
| UMW | | (5) | 21 | 5 | (19) | (2) | | 8 | 10 | 5 | (14) | 0 | 10 | (30) | 29 |
| UVA | 20 | 18 | 366 | 30 | 13 | (50) | 20 | 26 | (10) | 10 | 44 | 46 | 80 | 101 | 352 |
| VCU | 20 | 2 | (15) | 30 | (24) | 40 | 40 | (38) | 44 | 20 | (7) | 103 | 110 | (67) | 172 |
| VMI | 5 | 26 | (9) | 5 | 17 | (34) | | | | | | | 10 | 43 | (43) |
| VSU | 5 | (3) | (16) | 5 | (17) | 25 | | | | 5 | (1) | (30) | 15 | (21) | (21) |
| VT | 60 | 80 | 192 | 100 | (121) | 166 | | (6) | 29 | | (47) | (8) | 160 | (94) | 379 |
| WM | 20 | 22 | (18) | 15 | (23) | (12) | | | | 5 | 30 | (14) | 40 | 29 | (44) |
| Total | 220 | 314 | 655 | 310 | (251) | 196 | 200 | (32) | 71 | 150 | 54 | 45 | 880 | 85 | 967 |

Note: LU, UMW, VT and WM did not have expected annual increases in some programs but produced awards.