## College of Charleston

## NSSE 2010 Major Field Report <br> Part II. Comparisons to Other Institutions PHYSICAL SCIENCES

Comparing your students majoring in PHYSICAL SCIENCES fields to those in PHYSICAL SCIENCES fields at your comparison groups

Physical Sciences includes the following major codes: $42=$ Astronomy, $43=$ Atmospheric science (including meteorology), $44=$ Chemistry, $45=$ Earth science (including geology), $46=$ Mathematics, $47=$ Physics, $48=$ Statistics, and $49=$ Other physical science.

## NSSE

national survey of
student engagement

NSSE
national survey of student engagement

# Frequency Distributions 

## College of Charleston

NSSE 2010 Major Field Report
Part II. Comparisons to Other Institutions
PHYSICAL SCIENCES

## NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions Interpreting the Frequency Distributions

## Sample

This report is based on information from all randomly selected PHYSICAL SCIENCES students (inlcuding those from census administrations) for both your institution and your comparison institutions. Targeted oversamples and other non-randomly selected students are not included.

## Variable Names

The name of each variable appears in the first column for easy reference to your raw data file.

## Variables

The items from the NSSE survey appear in the left column in the same order and wording as they appear on the instrument.

## Benchmark

Items that comprise the five
"Benchmarks of Effective Educational
Practice" are indicated by the following:

## Class

Frequency distributions are reported separately for first-year students and seniors. Insitution-reported class levels are used. Of course, first-year student reports of major are likely to be unstable, and interpretations of first-year results should be made with caution.

## BETWEEN Institution Comparisons on Major Group

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key sub-populations such as major. This report displays the frequency distributions for the PHYSICAL SCIENCES group at your institution and at your selected comparison institutions.

LAC: Level of Academic
Challenge
ACL: Active and
Collaborative Learning
SFI: Student-Faculty
Interaction
EEE: Enriching
Educational Experiences
SCE: Supportive
Campus Environment

Response Options
Response options listed just as they appear on the instrument.

## Column Percentage (\%)

The '\%' column represents the percentage of students responding to the particular option in each question.

## Weighting

All results displayed in this report are unweighted.



# NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions Frequency Distributions-PHYSICAL SCIENCES <br> College of Charleston 

national survey of student engagement

|  |  |  |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Variable | Response Options |  | Count | \% | Count | \% | Count | \% | Count | \% |
| 10. | FACPLANS <br> (SFI) | Never |  | 4 | 16\% | 186 | 23\% | 80 | 17\% | 1,048 | 21\% |
|  |  | Sometimes |  | 11 | 44\% | 366 | 46\% | 221 | 48\% | 2,328 | 46\% |
|  |  | Often |  | 8 | 32\% | 176 | 22\% | 104 | 23\% | 1,159 | 23\% |
|  |  | Very often |  | 2 | 8\% | 72 | 9\% | 57 | 12\% | 503 | 10\% |
|  |  |  | Total | 25 | 100\% | 800 | 100\% | 462 | 100\% | 5,038 | 100\% |
| Discussed ideas from your readings or classes with faculty members outside of class | FACIDEAS (SFI) | Never |  | 9 | 36\% | 335 | 42\% | 159 | 34\% | 1,904 | 38\% |
|  |  | Sometimes |  | 13 | 52\% | 305 | 38\% | 199 | 43\% | 2,088 | 41\% |
|  |  | Often |  | 3 | 12\% | 114 | 14\% | 70 | 15\% | 722 | 14\% |
|  |  | Very often |  | 0 | 0\% | 47 | 6\% | 35 | 8\% | 331 | 7\% |
|  |  |  | Total | 25 | 100\% | 801 | 100\% | 463 | 100\% | 5,045 | 100\% |
| Received prompt written or oral feedback from faculty on your academic performance | FACFEED (SFI) | Never |  | 0 | 0\% | 55 | 7\% | 27 | 6\% | 292 | 6\% |
|  |  | Sometimes |  | 11 | 44\% | 282 | 35\% | 158 | 34\% | 1,757 | 35\% |
|  |  | Often |  | 9 | 36\% | 317 | 40\% | 197 | 42\% | 2,057 | 41\% |
|  |  | Very often |  | 5 | 20\% | 146 | 18\% | 83 | 18\% | 928 | 18\% |
|  |  |  | Total | 25 | 100\% | 800 | 100\% | 465 | 100\% | 5,034 | 100\% |
| Worked harder than you thought you could to meet an instructor's standards or expectations | WORKHARD (LAC) | Never |  | 4 | 16\% | 72 | 9\% | 31 | 7\% | 412 | 8\% |
|  |  | Sometimes |  | 8 | 32\% | 285 | 36\% | 164 | 35\% | 1,781 | 35\% |
|  |  | Often |  | 12 | 48\% | 301 | 38\% | 179 | 39\% | 1,883 | 37\% |
|  |  | Very often |  | 1 | 4\% | 140 | 18\% | 88 | 19\% | 955 | 19\% |
|  |  |  | Total | 25 | 100\% | 798 | 100\% | 462 | 100\% | 5,031 | 100\% |
| Worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) | FACOTHER (SFI) | Never |  | 18 | 72\% | 462 | 58\% | 228 | 49\% | 2,685 | 53\% |
|  |  | Sometimes |  | 7 | 28\% | 215 | 27\% | 153 | 33\% | 1,536 | 31\% |
|  |  | Often |  | 0 | 0\% | 88 | 11\% | 63 | 14\% | 583 | 12\% |
|  |  | Very often |  | 0 | 0\% | 31 | 4\% | 18 | 4\% | 218 | 4\% |
|  |  |  | Total | 25 | 100\% | 796 | 100\% | 462 | 100\% | 5,022 | 100\% |
| Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.) | OOCIDEAS <br> (ACL) | Never |  | 2 | 8\% | 56 | 7\% | 29 | 6\% | 299 | 6\% |
|  |  | Sometimes |  | 9 | 36\% | 270 | 34\% | 162 | 35\% | 1,677 | 33\% |
|  |  | Often |  | 9 | 36\% | 294 | 37\% | 166 | 36\% | 1,837 | 36\% |
|  |  | Very often |  | 5 | 20\% | 178 | 22\% | 107 | 23\% | 1,220 | 24\% |
|  |  |  | Total | 25 | 100\% | 798 | 100\% | 464 | 100\% | 5,033 | 100\% |
| Had serious conversations with students of a different race or ethnicity than your own | DIVRSTUD(EEE) | Never |  | 3 | 12\% | 116 | 14\% | 86 | 19\% | 780 | 15\% |
|  |  | Sometimes |  | 8 | 32\% | 238 | 30\% | 163 | 35\% | 1,631 | 32\% |
|  |  | Often |  | 7 | 28\% | 218 | 27\% | 106 | 23\% | 1,345 | 27\% |
|  |  | Very often |  | 7 | 28\% | 229 | 29\% | 108 | 23\% | 1,291 | 26\% |
|  |  |  | Total | 25 | 100\% | 801 | 100\% | 463 | 100\% | 5,047 | 100\% |


| CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Count | \% | Count | \% | Count | \% | Count | \% |
| 3 | 10\% | 124 | 14\% | 47 | 9\% | 682 | 12\% |
| 14 | 45\% | 365 | 41\% | 188 | 38\% | 2,028 | 37\% |
| 9 | 29\% | 245 | 27\% | 139 | 28\% | 1,522 | 28\% |
| 5 | 16\% | 166 | 18\% | 123 | 25\% | 1,274 | 23\% |
| 31 | 100\% | 900 | 100\% | 497 | 100\% | 5,506 | 100\% |
| 5 | 16\% | 230 | 26\% | 99 | 20\% | 1,263 | 23\% |
| 19 | 61\% | 390 | 43\% | 221 | 44\% | 2,399 | 44\% |
| 6 | 19\% | 167 | 19\% | 107 | 22\% | 1,142 | 21\% |
| 1 | 3\% | 113 | 13\% | 70 | 14\% | 705 | 13\% |
| 31 | 100\% | 900 | 100\% | 497 | 100\% | 5,509 | 100\% |
| 0 | 0\% | 49 | 5\% | 14 | 3\% | 266 | 5\% |
| 5 | 16\% | 290 | 32\% | 118 | 24\% | 1,552 | 28\% |
| 16 | 52\% | 359 | 40\% | 251 | 51\% | 2,495 | 45\% |
| 10 | 32\% | 197 | 22\% | 113 | 23\% | 1,174 | 21\% |
| 31 | 100\% | 895 | 100\% | 496 | 100\% | 5,487 | 100\% |
| 3 | 10\% | 75 | 8\% | 43 | 9\% | 458 | 8\% |
| 10 | 32\% | 304 | 34\% | 162 | 33\% | 1,927 | 35\% |
| 11 | 35\% | 330 | 37\% | 177 | 36\% | 1,974 | 36\% |
| 7 | 23\% | 192 | 21\% | 113 | 23\% | 1,142 | 21\% |
| 31 | 100\% | 901 | 100\% | 495 | 100\% | 5,501 | 100\% |
| 13 | 42\% | 383 | 43\% | 160 | 32\% | 2,021 | 37\% |
| 11 | 35\% | 287 | 32\% | 183 | 37\% | 1,879 | 34\% |
| 5 | 16\% | 118 | 13\% | 86 | 17\% | 968 | 18\% |
| 2 | 6\% | 105 | 12\% | 64 | 13\% | 611 | 11\% |
| 31 | 100\% | 893 | 100\% | 493 | 100\% | 5,479 | 100\% |
| 1 | 3\% | 51 | 6\% | 16 | 3\% | 218 | 4\% |
| 5 | 16\% | 274 | 30\% | 159 | 32\% | 1,795 | 33\% |
| 15 | 48\% | 326 | 36\% | 180 | 36\% | 2,033 | 37\% |
| 10 | 32\% | 249 | 28\% | 140 | 28\% | 1,456 | 26\% |
| 31 | 100\% | 900 | 100\% | 495 | 100\% | 5,502 | 100\% |
| 5 | 17\% | 95 | 11\% | 71 | 14\% | 743 | 14\% |
| 7 | 23\% | 284 | 32\% | 187 | 38\% | 1,836 | 33\% |
| 11 | 37\% | 255 | 28\% | 128 | 26\% | 1,481 | 27\% |
| 7 | 23\% | 265 | 29\% | 109 | 22\% | 1,440 | 26\% |
| 30 | 100\% | 899 | 100\% | 495 | 100\% | 5,500 | 100\% |



| NSSE <br> national survey of student engagement |  |  |  | NSSE 2010 Major Field Report: Part II. Comparisons to Other Frequency Distributions-PHYSICAL SCIENCES College of Charleston |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
|  | Variable | Response |  | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% |
| 3b. Number of books read on | READOWN | None |  | 6 | 24\% | 186 | 23\% | 111 | 24\% | 1,245 | 25\% | 4 | 13\% | 162 | 18\% | 114 | 23\% | 1,129 | 21\% |
| your own (not assigned) for |  | 1-4 |  | 14 | 56\% | 433 | 54\% | 241 | 52\% | 2,676 | 53\% | 16 | 52\% | 480 | 53\% | 256 | 51\% | 2,883 | 52\% |
| personal enjoyment or |  | 5-10 |  | 5 | 20\% | 111 | 14\% | 70 | 15\% | 746 | 15\% | 6 | 19\% | 160 | 18\% | 83 | 17\% | 927 | 17\% |
| academic enrichment |  | 11-20 |  | 0 | 0\% | 36 | 5\% | 23 | 5\% | 196 | 4\% | 4 | 13\% | 49 | 5\% | 23 | 5\% | 303 | 6\% |
|  |  | More than 20 |  | 0 | 0\% | 33 | 4\% | 20 | 4\% | 186 | 4\% | 1 | 3\% | 50 | 6\% | 23 | 5\% | 265 | 5\% |
|  |  |  | Total | 25 | 100\% | 799 | 100\% | 465 | 100\% | 5,049 | 100\% | 31 | 100\% | 901 | 100\% | 499 | 100\% | 5,507 | 100\% |
| 3c. Number of written papers or | WRITEMOR | None |  | 20 | 80\% | 693 | 87\% | 399 | 86\% | 4,287 | 85\% | 16 | 53\% | 543 | 60\% | 310 | 62\% | 3,301 | 60\% |
| reports of $\mathbf{2 0}$ pages or more | (LAC) | 1-4 |  | 4 | 16\% | 76 | 10\% | 48 | 10\% | 539 | 11\% | 10 | 33\% | 287 | 32\% | 161 | 32\% | 1,815 | 33\% |
|  |  | 5-10 |  | 1 | 4\% | 20 | 3\% | 13 | 3\% | 127 | 3\% | 1 | 3\% | 45 | 5\% | 20 | 4\% | 261 | 5\% |
|  |  | 11-20 |  | 0 | 0\% | 9 | 1\% | 3 | 1\% | 51 | 1\% | 2 | 7\% | 14 | 2\% | 5 | 1\% | 59 | 1\% |
|  |  | More than 20 |  | 0 | 0\% | 2 | 0\% | 1 | 0\% | 38 | 1\% | 1 | 3\% | 11 | 1\% | 3 | 1\% | 63 | 1\% |
|  |  |  | Total | 25 | 100\% | 800 | 100\% | 464 | 100\% | 5,042 | 100\% | 30 | 100\% | 900 | 100\% | 499 | 100\% | 5,499 | 100\% |
| 3d. Number of written papers or | WRITEMID | None |  | 4 | 16\% | 158 | 20\% | 81 | 17\% | 789 | 16\% | 2 | 6\% | 166 | 18\% | 62 | 13\% | 822 | 15\% |
| reports between 5 and 19 | (LAC) | 1-4 |  | 14 | 56\% | 444 | 56\% | 261 | 56\% | 2,794 | 55\% | 22 | 71\% | 442 | 49\% | 248 | 50\% | 2,682 | 49\% |
| pages |  | 5-10 |  | 6 | 24\% | 151 | 19\% | 89 | 19\% | 1,133 | 22\% | 3 | 10\% | 179 | 20\% | 135 | 27\% | 1,349 | 25\% |
|  |  | 11-20 |  | 1 | 4\% | 31 | 4\% | 25 | 5\% | 254 | 5\% | 2 | 6\% | 78 | 9\% | 41 | 8\% | 429 | 8\% |
|  |  | More than 20 |  | 0 | 0\% | 12 | 2\% | 8 | 2\% | 67 | 1\% | 2 | 6\% | 33 | 4\% | 10 | 2\% | 214 | 4\% |
|  |  |  | Total | 25 | 100\% | 796 | 100\% | 464 | 100\% | 5,037 | 100\% | 31 | 100\% | 898 | 100\% | 496 | 100\% | 5,496 | 100\% |
| 3e. Number of written papers or | WRITESML | None |  | 0 | 0\% | 32 | 4\% | 13 | 3\% | 157 | 3\% | 1 | 3\% | 119 | 13\% | 40 | 8\% | 511 | 9\% |
| reports of fewer than 5 pages | (LAC) | 1-4 |  | 7 | 28\% | 270 | 34\% | 139 | 30\% | 1,522 | 30\% | 17 | 55\% | 362 | 40\% | 183 | 37\% | 2,037 | 37\% |
|  |  | 5-10 |  | 9 | 36\% | 271 | 34\% | 175 | 38\% | 1,843 | 36\% | 7 | 23\% | 228 | 25\% | 126 | 25\% | 1,465 | 27\% |
|  |  | 11-20 |  | 6 | 24\% | 158 | 20\% | 91 | 20\% | 993 | 20\% | 3 | 10\% | 114 | 13\% | 80 | 16\% | 845 | 15\% |
|  |  | More than 20 |  | 3 | 12\% | 69 | 9\% | 46 | 10\% | 544 | 11\% | 3 | 10\% | 77 | 9\% | 72 | 14\% | 651 | 12\% |
|  |  |  | Total | 25 | 100\% | 800 | 100\% | 464 | 100\% | 5,059 | 100\% | 31 | 100\% | 900 | 100\% | 501 | 100\% | 5,509 | 100\% |
| 4a. Number of problem sets that | PROBSETA | None |  | 1 | 4\% | 49 | 6\% | 34 | 7\% | 296 | 6\% | 1 | 3\% | 52 | 6\% | 24 | 5\% | 250 | 5\% |
| take you more than an hour to |  | 1-2 |  | 13 | 52\% | 248 | 31\% | 144 | 31\% | 1,599 | 32\% | 12 | 39\% | 283 | 31\% | 154 | 31\% | 1,710 | 31\% |
| complete |  | 3-4 |  | 7 | 28\% | 284 | 36\% | 167 | 36\% | 1,737 | 34\% | 11 | 35\% | 269 | 30\% | 170 | 34\% | 1,808 | 33\% |
|  |  | 5-6 |  | 1 | 4\% | 100 | 13\% | 63 | 14\% | 676 | 13\% | 3 | 10\% | 104 | 12\% | 64 | 13\% | 661 | 12\% |
|  |  | More than 6 |  | 3 | 12\% | 118 | 15\% | 55 | 12\% | 749 | 15\% | 4 | 13\% | 193 | 21\% | 88 | 18\% | 1,079 | 20\% |
|  |  |  | Total | 25 | 100\% | 799 | 100\% | 463 | 100\% | 5,057 | 100\% | 31 | 100\% | 901 | 100\% | 500 | 100\% | 5,508 | 100\% |
| 4b. Number of problem sets that | PROBSETB | None |  | 2 | 8\% | 91 | 11\% | 48 | 10\% | 576 | 11\% | 4 | 13\% | 250 | 28\% | 133 | 27\% | 1,579 | 29\% |
| take you less than an hour to |  | 1-2 |  | 6 | 24\% | 287 | 36\% | 177 | 38\% | 1,822 | 36\% | 16 | 52\% | 354 | 40\% | 192 | 38\% | 2,109 | 38\% |
| complete |  | 3-4 |  | 9 | 36\% | 197 | 25\% | 115 | 25\% | 1,266 | 25\% | 3 | 10\% | 153 | 17\% | 95 | 19\% | 922 | 17\% |
|  |  | 5-6 |  | 6 | 24\% | 95 | 12\% | 58 | 12\% | 585 | 12\% | 4 | 13\% | 46 | 5\% | 33 | 7\% | 322 | 6\% |
|  |  | More than 6 |  | 2 | 8\% | 131 | 16\% | 67 | 14\% | 800 | 16\% | 4 | 13\% | 93 | 10\% | 47 | 9\% | 560 | 10\% |
|  |  |  | Total | 25 | 100\% | 801 | 100\% | 465 | 100\% | 5,049 | 100\% | 31 | 100\% | 896 | 100\% | 500 | 100\% | 5,492 | 100\% |




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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | First-Year Students |  |  |  |  |  |  |  | Seniors |  |  |  |  |  |  |  |
|  |  |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
|  | Variable | Response Options | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% |
| Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.) | SNRX04 | Have not decided | 8 | 32\% | 275 | 35\% | 169 | 36\% | 1,736 | 34\% | 3 | 10\% | 98 | 11\% | 35 | 7\% | 469 | 9\% |
|  | (EEE) | Do not plan to do | 2 | 8\% | 68 | 9\% | 32 | 7\% | 377 | 7\% | 8 | 26\% | 235 | 26\% | 120 | 24\% | 1,261 | 23\% |
|  |  | Plan to do | 15 | 60\% | 437 | 55\% | 256 | 55\% | 2,844 | 56\% | 9 | 29\% | 300 | 33\% | 159 | 32\% | 1,772 | 32\% |
|  |  | Done | 0 | 0\% | 12 | 2\% | 7 | 2\% | 86 | 2\% | 11 | 35\% | 268 | 30\% | 185 | 37\% | 2,007 | 36\% |
|  |  | Total | 25 | 100\% | 792 | 100\% | 464 | 100\% | 5,043 | 100\% | 31 | 100\% | 901 | 100\% | 499 | 100\% | 5,509 | 100\% |
| 8a. Quality of relationships with other students | $\begin{gathered} \text { ENVSTU } \\ \text { (SCE) } \end{gathered}$ | 1 Unfriendly, Unsupportive, Sense of alienation | 1 | 4\% | 11 | 1\% | 4 | 1\% | 58 | 1\% | 0 | 0\% | 9 | 1\% | 5 | 1\% | 57 | 1\% |
|  |  | 2 | 2 | 8\% | 12 | 1\% | 10 | 2\% | 97 | 2\% | 1 | 3\% | 27 | 3\% | 16 | 3\% | 139 | 3\% |
|  |  | 3 | 0 | 0\% | 33 | 4\% | 17 | 4\% | 233 | 5\% | 2 | 6\% | 38 | 4\% | 15 | 3\% | 196 | 4\% |
|  |  | 4 | 1 | 4\% | 92 | 11\% | 55 | 12\% | 575 | 11\% | 2 | 6\% | 92 | 10\% | 36 | 7\% | 490 | 9\% |
|  |  | 5 | 8 | 32\% | 196 | 24\% | 99 | 21\% | 1,104 | 22\% | 6 | 19\% | 206 | 23\% | 98 | 20\% | 1,125 | 20\% |
|  |  | 6 | 6 | 24\% | 256 | 32\% | 170 | 36\% | 1,659 | 33\% | 13 | 42\% | 272 | 30\% | 160 | 32\% | 1,802 | 33\% |
|  |  | 7 Friendly, Supportive, Sense of belonging | 7 | 28\% | 202 | 25\% | 111 | 24\% | 1,333 | 26\% | 7 | 23\% | 255 | 28\% | 170 | 34\% | 1,701 | 31\% |
|  |  | Total | 25 | 100\% | 802 | 100\% | 466 | 100\% | 5,059 | 100\% | 31 | 100\% | 899 | 100\% | 500 | 100\% | 5,510 | 100\% |
| 8b. Quality of relationships with faculty members | $\begin{gathered} \text { ENVFAC } \\ (\mathrm{SCE}) \end{gathered}$ | 1 Unavailable, Unhelpful, Unsympathetic | 0 | 0\% | 10 | 1\% | 2 | 0\% | 30 | 1\% | 0 | 0\% | 8 | 1\% | 6 | 1\% | 50 | 1\% |
|  |  | 2 | 0 | 0\% | 16 | 2\% | 7 | 2\% | 92 | 2\% | 1 | 3\% | 28 | 3\% | 6 | 1\% | 103 | 2\% |
|  |  | 3 | 1 | 4\% | 35 | 4\% | 17 | 4\% | 221 | 4\% | 1 | 3\% | 46 | 5\% | 9 | 2\% | 223 | 4\% |
|  |  | 4 | 2 | 8\% | 135 | 17\% | 64 | 14\% | 716 | 14\% | 6 | 19\% | 114 | 13\% | 36 | 7\% | 547 | 10\% |
|  |  | 5 | 8 | 32\% | 229 | 29\% | 140 | 30\% | 1,318 | 26\% | 7 | 23\% | 208 | 23\% | 105 | 21\% | 1,153 | 21\% |
|  |  | 6 | 12 | 48\% | 227 | 28\% | 143 | 31\% | 1,688 | 33\% | 6 | 19\% | 278 | 31\% | 181 | 36\% | 1,893 | 34\% |
|  |  | 7 Available, Helpful, Sympathetic | 2 | 8\% | 149 | 19\% | 92 | 20\% | 996 | 20\% | 10 | 32\% | 218 | 24\% | 155 | 31\% | 1,541 | 28\% |
|  |  | Total | 25 | 100\% | 801 | 100\% | 465 | 100\% | 5,061 | 100\% | 31 | 100\% | 900 | 100\% | 498 | 100\% | 5,510 | 100\% |
| 8c. Quality of relationships with administrative personnel and offices | $\begin{gathered} \text { ENVADM } \\ \text { (SCE) } \end{gathered}$ | 1 Unhelpful, Inconsiderate, Rigid | 0 | 0\% | 24 | 3\% | 6 | 1\% | 112 | 2\% | 2 | 6\% | 58 | 6\% | 22 | 4\% | 282 | 5\% |
|  |  | 2 | 1 | 4\% | 35 | 4\% | 19 | 4\% | 214 | 4\% | 2 | 6\% | 76 | 8\% | 44 | 9\% | 420 | 8\% |
|  |  | 3 | 2 | 8\% | 81 | 10\% | 36 | 8\% | 425 | 8\% | 3 | 10\% | 102 | 11\% | 53 | 11\% | 572 | 10\% |
|  |  | 4 | 3 | 12\% | 215 | 27\% | 99 | 21\% | 1,145 | 23\% | 10 | 32\% | 176 | 20\% | 98 | 20\% | 1,128 | 20\% |
|  |  | 5 | 9 | 36\% | 192 | 24\% | 120 | 26\% | 1,264 | 25\% | 6 | 19\% | 224 | 25\% | 123 | 25\% | 1,335 | 24\% |
|  |  | 6 | 7 | 28\% | 156 | 19\% | 119 | 26\% | 1,215 | 24\% | 5 | 16\% | 152 | 17\% | 101 | 20\% | 1,058 | 19\% |
|  |  | 7 Helpful, Considerate, Flexible | 3 | 12\% | 99 | 12\% | 67 | 14\% | 681 | 13\% | 3 | 10\% | 111 | 12\% | 58 | 12\% | 712 | 13\% |
|  |  | Total | 25 | 100\% | 802 | 100\% | 466 | 100\% | 5,056 | 100\% | 31 | 100\% | 899 | 100\% | 499 | 100\% | 5,507 | 100\% |





| NSSE <br> national su | of |  |  |  |  |  | NSSE | $10 \text { Мај }$ Fri | or Fie equen |  | : Part utions e of | Com YSIC arl |  | s to Ot <br> CIENC | her In $\mathrm{ES}$ | itutions |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 上r-r student eng | ment |  |  |  |  |  | rst-Y | r Stude |  |  |  |  |  |  |  | iors |  |  |  |
|  |  |  |  | Co |  | Southeast | Public | Carnegie | Class | NSSE 2 |  | Cof |  | Southeast | Public | Carnegie | Class | NSSE 20 |  |
|  | Variable | Respon |  | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% |
| 11c. Writing clearly and | GNWRITE | Very little |  | 1 | 4\% | 44 | 6\% | 24 | 5\% | 268 | 5\% | 2 | 6\% | 54 | 6\% | 28 | 6\% | 329 | 6\% |
| effectively |  | Some |  | 8 | 32\% | 184 | 23\% | 120 | 26\% | 1,212 | 24\% | 8 | 26\% | 239 | 27\% | 124 | 25\% | 1,367 | 25\% |
|  |  | Quite a bit |  | 10 | 40\% | 331 | 42\% | 200 | 43\% | 2,008 | 40\% | 11 | 35\% | 336 | 37\% | 196 | 39\% | 2,135 | 39\% |
|  |  | Very much |  | 6 | 24\% | 238 | 30\% | 118 | 26\% | 1,547 | 31\% | 10 | 32\% | 270 | 30\% | 151 | 30\% | 1,657 | 30\% |
|  |  |  | Total | 25 | 100\% | 797 | 100\% | 462 | 100\% | 5,035 | 100\% | 31 | 100\% | 899 | 100\% | 499 | 100\% | 5,488 | 100\% |
| 11d. Speaking clearly and | GNSPEAK | Very little |  | 4 | 16\% | 73 | 9\% | 39 | 9\% | 491 | 10\% | 0 | 0\% | 75 | 8\% | 32 | 6\% | 473 | 9\% |
|  |  | Some |  | 8 | 32\% | 241 | 30\% | 140 | 31\% | 1,519 | 30\% | 12 | 39\% | 277 | 31\% | 134 | 27\% | 1,514 | 28\% |
|  |  | Quite a bit |  | 8 | 32\% | 295 | 37\% | 173 | 38\% | 1,790 | 36\% | 9 | 29\% | 318 | 35\% | 205 | 41\% | 2,069 | 38\% |
|  |  | Very much |  | 5 | 20\% | 187 | 23\% | 105 | 23\% | 1,215 | 24\% | 10 | 32\% | 228 | 25\% | 127 | 26\% | 1,421 | 26\% |
|  |  |  | Total | 25 | 100\% | 796 | 100\% | 457 | 100\% | 5,015 | 100\% | 31 | 100\% | 898 | 100\% | 498 | 100\% | 5,477 | 100\% |
| 11e. Thinking critically and | GNANALY | Very little |  | 0 | 0\% | 22 | 3\% | 8 | 2\% | 103 | 2\% | 0 | 0\% | 16 | 2\% | 4 | 1\% | 96 | 2\% |
| analytically |  | Some |  | 3 | 12\% | 98 | 12\% | 51 | 11\% | 604 | 12\% | 3 | 10\% | 107 | 12\% | 57 | 11\% | 513 | 9\% |
|  |  | Quite a bit |  | 9 | 36\% | 322 | 40\% | 190 | 41\% | 1,909 | 38\% | 11 | 37\% | 311 | 35\% | 153 | 31\% | 1,732 | 32\% |
|  |  | Very much |  | 13 | 52\% | 354 | 44\% | 211 | 46\% | 2,409 | 48\% | 16 | 53\% | 465 | 52\% | 282 | 57\% | 3,141 | 57\% |
|  |  |  | Total | 25 | 100\% | 796 | 100\% | 460 | 100\% | 5,025 | 100\% | 30 | 100\% | 899 | 100\% | 496 | 100\% | 5,482 | 100\% |
| 11f. Analyzing quantitative | GNQUANT | Very little |  | 0 | 0\% | 18 | 2\% | 7 | 2\% | 99 | 2\% | 0 | 0\% | 19 | 2\% | 6 | 1\% | 81 | 1\% |
| problems |  | Some |  | 4 | 16\% | 127 | 16\% | 58 | 13\% | 677 | 13\% | 4 | 13\% | 94 | 11\% | 35 | 7\% | 446 | 8\% |
|  |  | Quite a bit |  | 11 | 44\% | 319 | 40\% | 180 | 39\% | 1,972 | 39\% | 10 | 32\% | 282 | 32\% | 158 | 32\% | 1,605 | 29\% |
|  |  | Very much |  | 10 | 40\% | 334 | 42\% | 214 | 47\% | 2,267 | 45\% | 17 | 55\% | 499 | 56\% | 294 | 60\% | 3,331 | 61\% |
|  |  |  | Total | 25 | 100\% | 798 | 100\% | 459 | 100\% | 5,015 | 100\% | 31 | 100\% | 894 | 100\% | 493 | 100\% | 5,463 | 100\% |
| 11g. Using computing and | GNCMPTS | Very little |  | 3 | 12\% | 39 | 5\% | 21 | 5\% | 233 | 5\% | 1 | 3\% | 24 | 3\% | 11 | 2\% | 174 | 3\% |
| information technology |  | Some |  | 2 | 8\% | 155 | 19\% | 102 | 22\% | 1,026 | 20\% | 4 | 13\% | 152 | 17\% | 72 | 15\% | 895 | 16\% |
|  |  | Quite a bit |  | 10 | 40\% | 328 | 41\% | 193 | 42\% | 1,995 | 40\% | 12 | 39\% | 327 | 36\% | 190 | 38\% | 1,966 | 36\% |
|  |  | Very much |  | 10 | 40\% | 275 | 35\% | 145 | 31\% | 1,779 | 35\% | 14 | 45\% | 395 | 44\% | 223 | 45\% | 2,453 | 45\% |
|  |  |  | Total | 25 | 100\% | 797 | 100\% | 461 | 100\% | 5,033 | 100\% | 31 | 100\% | 898 | 100\% | 496 | 100\% | 5,488 | 100\% |
| 11h. Working effectively with | GNOTHERS | Very little |  | 0 | 0\% | 41 | 5\% | 21 | 5\% | 241 | 5\% | 0 | 0\% | 40 | 4\% | 23 | 5\% | 248 | 5\% |
| others |  | Some |  | 8 | 32\% | 181 | 23\% | 105 | 23\% | 1,196 | 24\% | 8 | 26\% | 236 | 26\% | 98 | 20\% | 1,227 | 22\% |
|  |  | Quite a bit |  | 10 | 40\% | 318 | 40\% | 191 | 42\% | 2,029 | 40\% | 10 | 32\% | 327 | 36\% | 201 | 41\% | 2,164 | 39\% |
|  |  | Very much |  | 7 | 28\% | 259 | 32\% | 143 | 31\% | 1,566 | 31\% | 13 | 42\% | 296 | 33\% | 170 | 35\% | 1,848 | 34\% |
|  |  |  | Total | 25 | 100\% | 799 | 100\% | 460 | 100\% | 5,032 | 100\% | 31 | 100\% | 899 | 100\% | 492 | 100\% | 5,487 | 100\% |
| 11i. Voting in local, state, or | GNCITIZN | Very little |  | 15 | 60\% | 347 | 44\% | 224 | 49\% | 2,451 | 49\% | 11 | 35\% | 347 | 39\% | 197 | 40\% | 2,162 | 40\% |
| national elections |  | Some |  | 7 | 28\% | 261 | 33\% | 142 | 31\% | 1,539 | 31\% | 8 | 26\% | 270 | 30\% | 171 | 34\% | 1,788 | 33\% |
|  |  | Quite a bit |  | 2 | 8\% | 122 | 15\% | 55 | 12\% | 679 | 14\% | 8 | 26\% | 182 | 20\% | 90 | 18\% | 965 | 18\% |
|  |  | Very much |  | 1 | 4\% | 64 | 8\% | 34 | 7\% | 343 | 7\% | 4 | 13\% | 97 | 11\% | 39 | 8\% | 553 | 10\% |
|  |  |  | Total | 25 | 100\% | 794 | 100\% | 455 | 100\% | 5,012 | 100\% | 31 | 100\% | 896 | 100\% | 497 | 100\% | 5,468 | 100\% |


| NSSE <br> national survey of student engagement |  |  |  | NSSE 2010 Major Field Report: Part II. Comparisons to Other Frequency Distributions-PHYSICAL SCIENCES College of Charleston |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | First-Year Students |  |  |  |  |  |  |  | Seniors |  |  |  |  |  |  |  |
|  |  |  |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
|  | Variable | Respon |  | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% | Count | \% |
| 11j. Learning effectively on your own | GNINQ | Very little |  | 0 | 0\% | 49 | 6\% | 24 | 5\% | 239 | 5\% | 0 | 0\% | 48 | 5\% | 29 | 6\% | 298 | 5\% |
|  |  | Some |  | 7 | 29\% | 189 | 24\% | 103 | 23\% | 1,147 | 23\% | 6 | 19\% | 179 | 20\% | 101 | 20\% | 1,035 | 19\% |
|  |  | Quite a bit |  | 9 | 38\% | 325 | 41\% | 206 | 45\% | 2,222 | 44\% | 12 | 39\% | 338 | 38\% | 198 | 40\% | 2,209 | 40\% |
|  |  | Very much |  | 8 | 33\% | 233 | 29\% | 121 | 27\% | 1,403 | 28\% | 13 | 42\% | 334 | 37\% | 166 | 34\% | 1,925 | 35\% |
|  |  |  | Total | 24 | 100\% | 796 | 100\% | 454 | 100\% | 5,011 | 100\% | 31 | 100\% | 899 | 100\% | 494 | 100\% | 5,467 | 100\% |
| 11k. Understanding yourself | GNSELF | Very little |  | 1 | 4\% | 104 | 13\% | 53 | 12\% | 515 | 10\% | 2 | 6\% | 131 | 15\% | 63 | 13\% | 658 | 12\% |
|  |  | Some |  | 13 | 52\% | 228 | 29\% | 118 | 26\% | 1,367 | 27\% | 12 | 39\% | 248 | 28\% | 122 | 25\% | 1,427 | 26\% |
|  |  | Quite a bit |  | 6 | 24\% | 260 | 33\% | 166 | 37\% | 1,846 | 37\% | 10 | 32\% | 263 | 29\% | 178 | 36\% | 1,865 | 34\% |
|  |  | Very much |  | 5 | 20\% | 201 | 25\% | 115 | 25\% | 1,269 | 25\% | 7 | 23\% | 254 | 28\% | 130 | 26\% | 1,503 | 28\% |
|  |  |  | Total | 25 | 100\% | 793 | 100\% | 452 | 100\% | 4,997 | 100\% | 31 | 100\% | 896 | 100\% | 493 | 100\% | 5,453 | 100\% |
| 111. Understanding people of other racial and ethnic backgrounds | GNDIVERS | Very little |  | 7 | 28\% | 110 | 14\% | 72 | 16\% | 658 | 13\% | 5 | 16\% | 161 | 18\% | 92 | 19\% | 939 | 17\% |
|  |  | Some |  | 11 | 44\% | 269 | 34\% | 160 | 35\% | 1,673 | 33\% | 11 | 35\% | 291 | 32\% | 190 | 38\% | 1,998 | 37\% |
|  |  | Quite a bit |  | 5 | 20\% | 239 | 30\% | 143 | 31\% | 1,674 | 33\% | 10 | 32\% | 265 | 29\% | 133 | 27\% | 1,573 | 29\% |
|  |  | Very much |  | 2 | 8\% | 173 | 22\% | 80 | 18\% | 993 | 20\% | 5 | 16\% | 182 | 20\% | 82 | 16\% | 954 | 17\% |
|  |  |  | Total | 25 | 100\% | 791 | 100\% | 455 | 100\% | 4,998 | 100\% | 31 | 100\% | 899 | 100\% | 497 | 100\% | 5,464 | 100\% |
| 11 m Solving complex real-world problems | GNPROBSV | Very little |  | 1 | 4\% | 81 | 10\% | 41 | 9\% | 417 | 8\% | 1 | 3\% | 89 | 10\% | 33 | 7\% | 464 | 8\% |
|  |  | Some |  | 11 | 46\% | 258 | 32\% | 151 | 33\% | 1,583 | 32\% | 12 | 39\% | 245 | 27\% | 139 | 28\% | 1,469 | 27\% |
|  |  | Quite a bit |  | 10 | 42\% | 296 | 37\% | 168 | 37\% | 1,916 | 38\% | 9 | 29\% | 317 | 35\% | 180 | 37\% | 1,960 | 36\% |
|  |  | Very much |  | 2 | 8\% | 159 | 20\% | 96 | 21\% | 1,092 | 22\% | 9 | 29\% | 244 | 27\% | 141 | 29\% | 1,570 | 29\% |
|  |  |  | Total | 24 | 100\% | 794 | 100\% | 456 | 100\% | 5,008 | 100\% | 31 | 100\% | 895 | 100\% | 493 | 100\% | 5,463 | 100\% |
| 11n. Developing a personal code of values and ethics | GNETHICS | Very little |  | 4 | 16\% | 135 | 17\% | 55 | 12\% | 673 | 13\% | 4 | 13\% | 183 | 20\% | 83 | 17\% | 973 | 18\% |
|  |  | Some |  | 11 | 44\% | 248 | 31\% | 158 | 35\% | 1,483 | 30\% | 10 | 32\% | 276 | 31\% | 146 | 29\% | 1,576 | 29\% |
|  |  | Quite a bit |  | 7 | 28\% | 237 | 30\% | 147 | 32\% | 1,673 | 33\% | 12 | 39\% | 253 | 28\% | 170 | 34\% | 1,610 | 29\% |
|  |  | Very much |  | 3 | 12\% | 175 | 22\% | 95 | 21\% | 1,185 | 24\% | 5 | 16\% | 185 | 21\% | 97 | 20\% | 1,311 | 24\% |
|  |  |  | Total | 25 | 100\% | 795 | 100\% | 455 | 100\% | 5,014 | 100\% | 31 | 100\% | 897 | 100\% | 496 | 100\% | 5,470 | 100\% |
| 110. Contributing to the welfare of your community | GNCOMMUN | Very little |  | 3 | 12\% | 147 | 18\% | 74 | 16\% | 795 | 16\% | 8 | 27\% | 213 | 24\% | 100 | 20\% | 1,175 | 22\% |
|  |  | Some |  | 12 | 48\% | 314 | 39\% | 178 | 39\% | 1,804 | 36\% | 10 | 33\% | 314 | 35\% | 168 | 34\% | 1,895 | 35\% |
|  |  | Quite a bit |  | 6 | 24\% | 209 | 26\% | 133 | 29\% | 1,535 | 31\% | 7 | 23\% | 240 | 27\% | 156 | 32\% | 1,505 | 28\% |
|  |  | Very much |  | 4 | 16\% | 127 | 16\% | 70 | 15\% | 880 | 18\% | 5 | 17\% | 130 | 14\% | 69 | 14\% | 887 | 16\% |
|  |  |  | Total | 25 | 100\% | 797 | 100\% | 455 | 100\% | 5,014 | 100\% | 30 | 100\% | 897 | 100\% | 493 | 100\% | 5,462 | 100\% |
| 11p. Developing a deepened sense of spirituality | GNSPIRIT | Very little |  | 14 | 56\% | 345 | 43\% | 178 | 39\% | 1,867 | 37\% | 18 | 58\% | 463 | 52\% | 244 | 49\% | 2,744 | 50\% |
|  |  | Some |  | 9 | 36\% | 209 | 26\% | 126 | 28\% | 1,347 | 27\% | 8 | 26\% | 238 | 26\% | 126 | 25\% | 1,249 | 23\% |
|  |  | Quite a bit |  | 2 | 8\% | 141 | 18\% | 94 | 21\% | 1,014 | 20\% | 2 | 6\% | 106 | 12\% | 78 | 16\% | 757 | 14\% |
|  |  | Very much |  | 0 | 0\% | 102 | 13\% | 57 | 13\% | 792 | 16\% | 3 | 10\% | 92 | 10\% | 48 | 10\% | 717 | 13\% |
|  |  |  | Total | 25 | 100\% | 797 | 100\% | 455 | 100\% | 5,020 | 100\% | 31 | 100\% | 899 | 100\% | 496 | 100\% | 5,467 | 100\% |

national survey of student engagement

|  |  |  |  | CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Variable | Response Options |  | Count | \% | Count | \% | Count | \% | Count | \% |
| Overall, how would you evaluate the quality of academic advising you have received at your institution? | ADVISE | Poor |  | 0 | 0\% | 42 | 5\% | 20 | 4\% | 201 | 4\% |
|  |  | Fair |  | 3 | 12\% | 116 | 14\% | 68 | 15\% | 690 | 14\% |
|  |  | Good |  | 10 | 40\% | 386 | 48\% | 218 | 47\% | 2,355 | 47\% |
|  |  | Excellent |  | 12 | 48\% | 257 | 32\% | 158 | 34\% | 1,816 | 36\% |
|  |  |  | Total | 25 | 100\% | 801 | 100\% | 464 | 100\% | 5,062 | 100\% |
| 13. How would you evaluate your | ENTIREXP | Poor |  | 0 | 0\% | 17 | 2\% | 10 | 2\% | 88 | 2\% |
| entire educational experience |  | Fair |  | 2 | 8\% | 66 | 8\% | 46 | 10\% | 456 | 9\% |
| at this institution? |  | Good |  | 12 | 48\% | 398 | 50\% | 213 | 46\% | 2,310 | 46\% |
|  |  | Excellent |  | 11 | 44\% | 321 | 40\% | 195 | 42\% | 2,208 | 44\% |
|  |  |  | Total | 25 | 100\% | 802 | 100\% | 464 | 100\% | 5,062 | 100\% |
| 14. If you could start over again, would you go to the same institution you are now attending? | SAMECOLL | Definitely no Probably no |  | 1 | 4\% | 35 | 4\% | 20 | 4\% | 180 | 4\% |
|  |  |  |  | 3 | 12\% | 100 | 12\% | 54 | 12\% | 541 | 11\% |
|  |  | Probably yes |  | 9 | 36\% | 307 | 38\% | 186 | 40\% | 1,965 | 39\% |
|  |  | Definitely yes |  | 12 | 48\% | 360 | 45\% | 204 | 44\% | 2,378 | 47\% |
|  |  |  | Total | 25 | 100\% | 802 | 100\% | 464 | 100\% | 5,064 | 100\% |


| CofC |  | Southeast Public |  | Carnegie Class |  | NSSE 2010 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Count | \% | Count | \% | Count | \% | Count | \% |
| 1 | 3\% | 106 | 12\% | 35 | 7\% | 456 | 8\% |
| 7 | 23\% | 201 | 22\% | 86 | 17\% | 997 | 18\% |
| 13 | 42\% | 340 | 38\% | 209 | 42\% | 2,212 | 40\% |
| 10 | 32\% | 254 | 28\% | 171 | 34\% | 1,853 | 34\% |
| 31 | 100\% | 901 | 100\% | 501 | 100\% | 5,518 | 100\% |
| 0 | 0\% | 22 | 2\% | 11 | 2\% | 135 | 2\% |
| 1 | 3\% | 116 | 13\% | 52 | 10\% | 606 | 11\% |
| 15 | 48\% | 433 | 48\% | 210 | 42\% | 2,437 | 44\% |
| 15 | 48\% | 330 | 37\% | 227 | 45\% | 2,330 | 42\% |
| 31 | 100\% | 901 | 100\% | 500 | 100\% | 5,508 | 100\% |
| 2 | 6\% | 62 | 7\% | 20 | 4\% | 292 | 5\% |
| 1 | 3\% | 119 | 13\% | 69 | 14\% | 710 | 13\% |
| 9 | 29\% | 334 | 37\% | 176 | 35\% | 2,034 | 37\% |
| 19 | 61\% | 389 | 43\% | 235 | 47\% | 2,486 | 45\% |
| 31 | 100\% | 904 | 100\% | 500 | 100\% | 5,522 | 100\% |







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# Benchmark Statistics 

## College of Charleston

NSSE 2010 Major Field Report
Part II. Comparisons to Other Institutions
PHYSICAL SCIENCES

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## Benchmarks

To focus discussions about the importance of student engagement and to guide institutional improvement efforts, NSSE created five Benchmarks of Effective Educational Practice: Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment.

## Class

Benchmark comparisons are reported separately for first-year students and seniors. Insitution-reported class levels are used. Of course, first-year student reports of major are likely to be unstable, and interpretations of first-year results should be made with caution.

## Major

Major classifications are based on recodes of the student-provided PRIMARY major (majrpcod). Major groups with fewer than twenty respondents in a given class are not reported. Comparison groups must contain at least three institutions with five or more respondents in the major group, or they are left blank.

## Sample

This report is based on information from all randomly selected PHYSICAL SCIENCES students (including those from census samples) for both your institution and your comparison institutions. Targeted oversamples and other non-randomly selected students are not included.

Mean
The mean is the arithmetic average of the students' benchmark scores where students answered at least 3/5ths of the benchmark items.

## NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions Interpreting the Benchmark Statistics

## BETWEEN Institution Comparisons on Major Groups

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key sub-populations such as major. This report displays the benchmark comparisons for the PHYSICAL SCIENCES group at your institution and at your selected comparison institutions.

## Weighting

All results displayed in this report are unweighted.

|  | Mean Statistics |  |  |
| :---: | :---: | :---: | :---: |
|  | Mean | SD ${ }^{\text {b }}$ | SEM ${ }^{\text {c }}$ |
| LEVEL OF AC ADEMIC CHALLENGE (LAC) |  |  |  |
| NSSEville State ( $\mathrm{N}=26$ ) | 52.6 | 11.2 | 2.2 |
| Mid East Public | 54.1 | 13.8 | . 4 |
| Carnegie Class | 53.8 | 13.4 | . 2 |
| NSSE 2010 | 55.1 | 13.3 | . 1 |
| ACTIVE AND COLLABO RATIVE LEARNING (ACL) |  |  |  |
| NSSEville State ( $\mathrm{N}=26$ ) | 51.1 | 15.8 | 3.1 |
| Mid East Public | 42.5 | 15.9 | . 5 |
| Carnegie Class | 44.0 | 15.5 | . 2 |
| NSSE 2010 | 44.4 | 15.4 | . 1 |

## Statistical Significance

Benchmarks with mean differences that are larger than would be expected by chance alone are generally noted with one of three significance levels ( $\mathrm{p}<.05, \mathrm{p}<.01$, and $\mathrm{p}<.001$ ). The smaller the significance level, the smaller the likelihood that the difference is due to chance. Please note that statistical significance does not guarantee that the result is substantive or important. Large sample sizes (as with the NSSE project) tend to produce more statistically significant results even though the magnitude of mean differences may be inconsequential. It is recommended to consult effect sizes to judge the practical meaning of the results.

## Distribution Statistics

The dispersion of the first-year and senior benchmark scores for your institution and your selected comparison or consortium groups.

| Distribution Statistics |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Percentiles ${ }^{\text {d }}$ |  |  |  |  |
| 5th | $25 \mathrm{th}^{5}$ | 50th | 75 th | 95 th |


| Reference Group <br> Comparison Statistics |  |  |  |
| :---: | :---: | :---: | :---: |
| Deg. of <br> Freedom ${ }^{\text {e }}$ | Mean <br> Diff. | Sig. |  |


| 36 | 44 | 52 | 62 | 69 |
| :--- | :--- | :--- | :--- | :--- |
| 31 | 45 | 55 | 64 | 75 |
| 32 | 45 | 54 | 63 | 75 |
| 33 | 46 | 55 | 64 | 76 |
|  |  |  |  |  |
| 33 | 43 | 43 | 57 | 90 |
| 19 | 33 | 43 | 52 | 71 |
| 19 | 33 | 43 | 52 | 71 |
| 19 | 33 | 43 | 52 | 71 |

-.11
-.09

| 1,071 | -1.5 | .589 | -.11 |
| ---: | ---: | ---: | ---: |
| 4,658 | -1.2 | .652 | -.09 |
| 18,094 | -2.4 | .348 | -.18 |

## Effect Size

Effect size indicates the practical significance of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention.

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NSSE 2010 Major Field Report: Part II. Comparisons to Other Institutions ${ }^{\text {a }}$
College of Charleston
Benchmark Statistics: PHYSICAL SCIENCES

First-Year Students

|  | Mean Statistics |  |  | Distribution Statistics |  |  |  |  | Reference Group Comparison Statistics |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Percentiles ${ }^{\text {d }}$ |  |  |  |  | Deg. of | Mean |  | Effect |
|  | Mean | SD ${ }^{\text {b }}$ | SEM ${ }^{\text {c }}$ | 5th | 25th | 50th | 75th | 95th | Freedom ${ }^{\text {e }}$ | Diff. | Sig. ${ }^{\text {f }}$ | size ${ }^{\text {g }}$ |
| LEVEL OF ACADEMIC CHALLENGE (LAC) |  |  |  |  |  |  |  |  |  |  |  |  |
| CofC ( $\mathrm{N}=25$ ) | 54.2 | 11.5 | 2.3 | 37 | 47 | 54 | 60 | 73 |  |  |  |  |
| Southeast Public | 53.5 | 12.8 | . 5 | 33 | 45 | 53 | 62 | 75 | 825 | . 6 | . 805 | . 05 |
| Carnegie Class | 54.2 | 12.5 | . 6 | 34 | 45 | 55 | 63 | 73 | 489 | . 0 | . 987 | . 00 |
| NSSE 2010 | 55.0 | 13.0 | . 2 | 34 | 46 | 55 | 64 | 76 | 5,088 | -. 9 | . 738 | -. 07 |
| ACTIVE AND COLLABORATIVE LEARNING (ACL) |  |  |  |  |  |  |  |  |  |  |  |  |
| CofC ( $\mathrm{N}=25$ ) | 43.4 | 13.6 | 2.7 | 29 | 33 | 43 | 52 | 67 |  |  |  |  |
| Southeast Public | 43.4 | 16.3 | . 6 | 19 | 33 | 43 | 52 | 71 | 823 | . 1 | . 981 | . 00 |
| Carnegie Class | 44.7 | 16.1 | . 7 | 19 | 33 | 43 | 52 | 71 | 489 | -1.2 | . 709 | -. 08 |
| NSSE 2010 | 44.4 | 16.2 | . 2 | 19 | 33 | 43 | 52 | 72 | 5,089 | -1.0 | . 765 | -. 06 |
| STUDENT-FACULTY INTERACTION (SFI) |  |  |  |  |  |  |  |  |  |  |  |  |
| CofC $\quad(\mathrm{N}=25)$ | 31.8 | 12.2 | 2.4 | 17 | 22 | 28 | 39 | 56 |  |  |  |  |
| Southeast Public | 34.1 | 18.0 | . 6 | 11 | 22 | 33 | 44 | 67 | 27 | -2.4 | . 356 | -. 13 |
| Carnegie Class | 36.3 | 18.0 | . 8 | 11 | 22 | 33 | 50 | 67 | 30 | -4.5 | . 092 | -. 25 |
| NSSE 2010 | 34.8 | 18.1 | . 3 | 11 | 22 | 33 | 44 | 67 | 25 | -3.0 | . 225 | -. 17 |
| ENRICHING EDUCATIONAL EXPERIENCES (EEE) |  |  |  |  |  |  |  |  |  |  |  |  |
| CofC ( $\mathrm{N}=25$ ) | 31.8 | 11.4 | 2.3 | 14 | 25 | 32 | 40 | 53 |  |  |  |  |
| Southeast Public | 28.6 | 13.3 | . 5 | 8 | 19 | 28 | 37 | 52 | 822 | 3.2 | . 241 | . 24 |
| Carnegie Class | 27.8 | 12.4 | . 6 | 8 | 18 | 27 | 37 | 50 | 488 | 3.9 | . 124 | . 32 |
| NSSE 2010 | 28.7 | 12.8 | . 2 | 10 | 19 | 27 | 37 | 50 | 5,083 | 3.1 | . 228 | . 24 |
| SUPPORTIVE CAMPUS ENVIRONMENT (SCE) |  |  |  |  |  |  |  |  |  |  |  |  |
| CofC ( $\mathrm{N}=25$ ) | 62.0 | 16.5 | 3.3 | 33 | 56 | 61 | 67 | 89 |  |  |  |  |
| Southeast Public | 61.7 | 17.8 | . 6 | 33 | 50 | 61 | 75 | 92 | 824 | . 3 | . 930 | . 02 |
| Carnegie Class | 63.6 | 17.4 | . 8 | 33 | 53 | 64 | 78 | 92 | 485 | -1.6 | . 657 | -. 09 |
| NSSE 2010 | 64.0 | 18.0 | . 3 | 33 | 53 | 64 | 78 | 94 | 5,077 | -2.0 | . 580 | -. 11 |

[^0]${ }^{\mathrm{b}}$ Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
${ }^{\text {c }}$ The $95 \%$ confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.
${ }^{\mathrm{d}}$ A percentile is the point in the distribution of student benchmark scores at or below which a given percentage of benchmark scores fall.
${ }^{e}$ Degrees of freedom used to compute the $t$-tests. Values vary for the total Ns due to the equal variance assumption.
${ }^{\mathrm{f}}$ Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.
${ }^{\mathrm{g}}$ Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.

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Benchmark Statistics: PHYSICAL SCIENCES

Seniors


[^1]${ }^{\mathrm{b}}$ Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
${ }^{\text {c }}$ The $95 \%$ confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.
${ }^{\mathrm{d}}$ A percentile is the point in the distribution of student benchmark scores at or below which a given percentage of benchmark scores fall.
${ }^{e}$ Degrees of freedom used to compute the $t$-tests. Values vary for the total Ns due to the equal variance assumption.
${ }^{\mathrm{f}}$ Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.
${ }^{\mathrm{g}}$ Effect size is calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.


[^0]:    ${ }^{\text {a }}$ Major classifications are based on recodes of the student-reported primary major field (majrpcod).

[^1]:    ${ }^{\text {a }}$ Major classifications are based on recodes of the student-reported primary major field (majrpcod).

