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# University of Minnesota Duluth

## ***NSSE 2016 Major Field Report, Part II***

### ***Comparisons to Other Institutions***

## Education

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*Comparing your students majoring in the fields shown below to those  
in the same fields at your comparison group institutions*

*The Major Field Report group 'Education' includes the following majors: Early childhood education; Education (general); Elementary, middle school education; Mathematics education; Other education; Physical education; Secondary education; Social studies education; Special education.*

*Note:*

*The Major Field Report was formatted for printing. When viewing on screen in Excel, some content may appear truncated or oddly formatted. This is normal. Increasing the zoom level or viewing the report in Print Preview will improve on-screen display.*

### About Your Major Field Report, Part II

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 subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Education.

#### NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

### Related-Major Groups

Self-reported majors (first major given if two were reported) were identified from the survey. Your institution had the option to customize how these were grouped, using up to ten related-major groups. Institutions choosing not to customize their related-major groups receive NSSE's ten default groups. The majors used in this report are listed on the cover page of this report.

### Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

### Class

Results are presented separately by institution-reported class level. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared*. Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

### Technical Requirements

Related-major groups with fewer than 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, the Major Field Report results are unweighted.

### Report Sections

|  |  |
|--|--|
| Engagement Indicators (pp. 3-7)                    | Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your <i>Engagement Indicators</i> report for more details.   |
| High-Impact Practices (p. 8)                       | Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.   |
| Frequencies and Statistical Comparisons (pp. 9-44) | Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups. |
| Respondent Profile (pp. 45-51)                     | Response frequencies for all demographic questions for your institution and your three core comparison groups.   |

## Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores<sup>a</sup> for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

- ▲ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- No significant difference.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

| Theme                    | Engagement Indicator              | First-Year Students in Education                 |  |  | Seniors in Education                 |  |  |
|--------------------------|-----------------------------------|--|--|--|--------------------------------------|--|--|
|                          |                                   | Your first-year students compared with UMD Peers | Your first-year students compared with Competitors | Your first-year students compared with NSSE Carnegie | Your seniors compared with UMD Peers | Your seniors compared with Competitors | Your seniors compared with NSSE Carnegie |
| Academic Challenge       | Higher-Order Learning             | --   | --   | --   | --                                   | --                                     | --                                       |
|                          | Reflective & Integrative Learning | --   | --   | --   | --                                   | --                                     | --                                       |
|                          | Learning Strategies               | --   | --   | --   | --                                   | --                                     | --                                       |
|                          | Quantitative Reasoning            | --   | ▼  | ▼  | --                                   | --                                     | --                                       |
| Learning with Peers      | Collaborative Learning            | ▲  | ▲  | ▲  | --                                   | --                                     | --                                       |
|                          | Discussions with Diverse Others   | --   | --   | --   | --                                   | --                                     | ▼  |
| Experiences with Faculty | Student-Faculty Interaction       | --   | --   | --   | --                                   | --                                     | --                                       |
|                          | Effective Teaching Practices      | ▼  | --   | ▼  | --                                   | --                                     | ▼  |
| Campus Environment       | Quality of Interactions           | --   | --   | --   | --                                   | --                                     | --                                       |
|                          | Supportive Environment            | --   | --   | --   | ▼                                    | --                                     | ▼  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

University of Minnesota Duluth

## First-year students<sup>a</sup> in Education

|  | Mean statistics |                 |                  | Percentile <sup>d</sup> scores |      |      |      |      | Comparison results           |            |                   |                          |
|--|-----------------|-----------------|------------------|--------------------------------|------|------|------|------|------------------------------|------------|-------------------|--------------------------|
|  | Mean            | SD <sup>b</sup> | SEM <sup>c</sup> | 5th                            | 25th | 50th | 75th | 95th | Deg. of freedom <sup>e</sup> | Mean diff. | Sig. <sup>f</sup> | Effect size <sup>g</sup> |
| <b>Academic Challenge</b>                    |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Higher-Order Learning</b>                 |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 48)                                 | 36.7            | 10.7            | 1.55             | 20                             | 30   | 35   | 40   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 36.6            | 13.7            | 1.01             | 15                             | 25   | 40   | 45   | 60   | 91                           | .1         |                   | .008                     |
| Competitors                                  | 37.6            | 12.4            | 1.16             | 20                             | 30   | 40   | 45   | 60   | 161                          | -.9        |                   | -.075                    |
| NSSE Carnegie                                | 37.1            | 13.6            | .60              | 15                             | 25   | 40   | 45   | 60   | 62                           | -.4        |                   | -.032                    |
| <b>Reflective &amp; Integrative Learning</b> |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 50)                                 | 33.1            | 9.1             | 1.28             | 17                             | 29   | 33   | 40   | 46   |                              |            |                   |                          |
| UMD Peers                                    | 35.4            | 11.8            | .87              | 20                             | 26   | 34   | 43   | 60   | 99                           | -2.3       |                   | -.204                    |
| Competitors                                  | 34.7            | 12.9            | 1.20             | 17                             | 26   | 31   | 43   | 60   | 130                          | -1.5       |                   | -.127                    |
| NSSE Carnegie                                | 35.3            | 12.4            | .54              | 17                             | 26   | 34   | 43   | 60   | 68                           | -2.2       |                   | -.178                    |
| <b>Learning Strategies</b>                   |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 49)                                 | 37.1            | 10.2            | 1.45             | 20                             | 33   | 33   | 47   | 53   |                              |            |                   |                          |
| UMD Peers                                    | 37.7            | 14.1            | 1.04             | 13                             | 27   | 40   | 47   | 60   | 103                          | -.6        |                   | -.043                    |
| Competitors                                  | 40.3            | 14.1            | 1.32             | 20                             | 33   | 40   | 53   | 60   | 124                          | -3.1       |                   | -.241                    |
| NSSE Carnegie                                | 39.5            | 13.7            | .60              | 20                             | 27   | 40   | 53   | 60   | 66                           | -2.3       |                   | -.173                    |
| <b>Quantitative Reasoning</b>                |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 50)                                 | 21.1            | 15.6            | 2.20             | 0                              | 7    | 20   | 33   | 47   |                              |            |                   |                          |
| UMD Peers                                    | 25.2            | 15.8            | 1.15             | 0                              | 13   | 20   | 33   | 60   | 236                          | -4.2       |                   | -.265                    |
| Competitors                                  | 26.4            | 16.1            | 1.50             | 0                              | 13   | 27   | 40   | 60   | 163                          | -5.4       | *                 | -.336                    |
| NSSE Carnegie                                | 25.5            | 15.3            | .67              | 0                              | 13   | 20   | 33   | 60   | 572                          | -4.5       | *                 | -.292                    |
| <b>Learning with Peers</b>                   |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Collaborative Learning</b>                |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 48)                                 | 38.6            | 12.3            | 1.78             | 20                             | 30   | 40   | 50   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 33.6            | 13.5            | 1.00             | 15                             | 25   | 30   | 40   | 60   | 229                          | 5.1        | *                 | .383                     |
| Competitors                                  | 33.7            | 13.7            | 1.28             | 15                             | 20   | 30   | 45   | 60   | 161                          | 5.0        | *                 | .375                     |
| NSSE Carnegie                                | 32.2            | 13.3            | .59              | 10                             | 20   | 30   | 40   | 60   | 557                          | 6.4        | **                | .484                     |
| <b>Discussions with Diverse Others</b>       |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 50)                                 | 37.3            | 12.5            | 1.77             | 15                             | 30   | 40   | 45   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 39.3            | 14.9            | 1.09             | 20                             | 30   | 40   | 55   | 60   | 235                          | -2.0       |                   | -.139                    |
| Competitors                                  | 36.5            | 14.8            | 1.38             | 15                             | 25   | 40   | 45   | 60   | 162                          | .8         |                   | .057                     |
| NSSE Carnegie                                | 38.9            | 15.1            | .66              | 15                             | 30   | 40   | 50   | 60   | 64                           | -1.6       |                   | -.106                    |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

University of Minnesota Duluth

## First-year students<sup>a</sup> in Education

|                                     | Mean statistics |                 |                  | Percentile <sup>d</sup> scores |      |      |      |      | Comparison results           |            |                   |                          |
|-------------------------------------|-----------------|-----------------|------------------|--------------------------------|------|------|------|------|------------------------------|------------|-------------------|--------------------------|
|                                     | Mean            | SD <sup>b</sup> | SEM <sup>c</sup> | 5th                            | 25th | 50th | 75th | 95th | Deg. of freedom <sup>e</sup> | Mean diff. | Sig. <sup>f</sup> | Effect size <sup>g</sup> |
| <b>Experiences with Faculty</b>     |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Student-Faculty Interaction</b>  |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 49)                        | 20.1            | 14.5            | 2.06             | 5                              | 10   | 20   | 25   | 50   |                              |            |                   |                          |
| UMD Peers                           | 21.5            | 14.2            | 1.04             | 0                              | 10   | 20   | 28   | 50   | 235                          | -1.4       |                   | -.099                    |
| Competitors                         | 21.6            | 15.9            | 1.49             | 0                              | 10   | 20   | 30   | 60   | 161                          | -1.5       |                   | -.098                    |
| NSSE Carnegie                       | 22.2            | 15.0            | .66              | 0                              | 10   | 20   | 30   | 55   | 564                          | -2.1       |                   | -.143                    |
| <b>Effective Teaching Practices</b> |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 50)                        | 35.3            | 7.6             | 1.07             | 24                             | 28   | 34   | 40   | 48   |                              |            |                   |                          |
| UMD Peers                           | 38.5            | 12.8            | .93              | 20                             | 28   | 40   | 48   | 60   | 131                          | -3.2       | *                 | -.269                    |
| Competitors                         | 37.0            | 12.8            | 1.18             | 20                             | 28   | 36   | 44   | 60   | 148                          | -1.7       |                   | -.149                    |
| NSSE Carnegie                       | 39.5            | 13.0            | .57              | 20                             | 28   | 40   | 48   | 60   | 80                           | -4.2       | ***               | -.333                    |
| <b>Campus Environment</b>           |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Quality of Interactions</b>      |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 49)                        | 42.4            | 8.7             | 1.25             | 28                             | 34   | 42   | 50   | 56   |                              |            |                   |                          |
| UMD Peers                           | 43.7            | 10.8            | .80              | 25                             | 38   | 44   | 52   | 60   | 229                          | -1.3       |                   | -.125                    |
| Competitors                         | 42.6            | 11.5            | 1.08             | 20                             | 36   | 44   | 50   | 60   | 161                          | -.2        |                   | -.018                    |
| NSSE Carnegie                       | 43.6            | 11.6            | .51              | 22                             | 36   | 44   | 52   | 60   | 65                           | -1.1       |                   | -.101                    |
| <b>Supportive Environment</b>       |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 50)                        | 37.8            | 11.6            | 1.65             | 18                             | 30   | 40   | 48   | 58   |                              |            |                   |                          |
| UMD Peers                           | 38.9            | 12.6            | .92              | 18                             | 30   | 40   | 48   | 60   | 236                          | -1.1       |                   | -.086                    |
| Competitors                         | 37.7            | 13.2            | 1.24             | 18                             | 28   | 38   | 48   | 60   | 163                          | .1         |                   | .008                     |
| NSSE Carnegie                       | 39.0            | 12.8            | .56              | 20                             | 30   | 40   | 48   | 60   | 569                          | -1.2       |                   | -.093                    |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Engagement Indicators: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

|  | Mean statistics |                 |                  | Percentile <sup>d</sup> scores |      |      |      |      | Comparison results           |            |                   |                          |
|--|-----------------|-----------------|------------------|--------------------------------|------|------|------|------|------------------------------|------------|-------------------|--------------------------|
|  | Mean            | SD <sup>b</sup> | SEM <sup>c</sup> | 5th                            | 25th | 50th | 75th | 95th | Deg. of freedom <sup>e</sup> | Mean diff. | Sig. <sup>f</sup> | Effect size <sup>g</sup> |
| <b>Academic Challenge</b>                    |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Higher-Order Learning</b>                 |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                                 | 40.2            | 12.7            | 1.66             | 20                             | 35   | 40   | 50   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 41.7            | 13.3            | .78              | 20                             | 35   | 40   | 55   | 60   | 346                          | -1.5       |                   | -.114                    |
| Competitors                                  | 41.0            | 13.3            | .97              | 20                             | 35   | 40   | 50   | 60   | 243                          | -.8        |                   | -.064                    |
| NSSE Carnegie                                | 41.7            | 13.3            | .47              | 20                             | 35   | 40   | 55   | 60   | 869                          | -1.5       |                   | -.116                    |
| <b>Reflective &amp; Integrative Learning</b> |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 57)                                 | 42.7            | 11.3            | 1.49             | 20                             | 37   | 40   | 54   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 40.8            | 12.1            | .70              | 20                             | 31   | 40   | 51   | 60   | 351                          | 1.9        |                   | .155                     |
| Competitors                                  | 41.3            | 12.2            | .87              | 23                             | 31   | 40   | 51   | 60   | 250                          | 1.4        |                   | .117                     |
| NSSE Carnegie                                | 40.4            | 12.1            | .42              | 20                             | 31   | 40   | 49   | 60   | 889                          | 2.3        |                   | .193                     |
| <b>Learning Strategies</b>                   |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                                 | 38.9            | 15.2            | 2.00             | 13                             | 27   | 40   | 53   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 38.4            | 14.5            | .85              | 13                             | 27   | 40   | 47   | 60   | 344                          | .4         |                   | .028                     |
| Competitors                                  | 37.4            | 15.2            | 1.11             | 13                             | 27   | 33   | 47   | 60   | 245                          | 1.5        |                   | .096                     |
| NSSE Carnegie                                | 40.0            | 14.9            | .52              | 13                             | 27   | 40   | 53   | 60   | 874                          | -1.2       |                   | -.078                    |
| <b>Quantitative Reasoning</b>                |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 57)                                 | 25.4            | 15.3            | 2.03             | 0                              | 20   | 20   | 33   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 25.1            | 16.2            | .95              | 0                              | 13   | 20   | 40   | 53   | 349                          | .3         |                   | .019                     |
| Competitors                                  | 25.5            | 16.0            | 1.15             | 0                              | 13   | 20   | 40   | 60   | 249                          | -.1        |                   | -.005                    |
| NSSE Carnegie                                | 25.9            | 16.9            | .59              | 0                              | 13   | 20   | 40   | 60   | 882                          | -.5        |                   | -.028                    |
| <b>Learning with Peers</b>                   |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Collaborative Learning</b>                |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                                 | 38.3            | 12.8            | 1.68             | 15                             | 30   | 35   | 50   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 37.9            | 13.4            | .79              | 15                             | 30   | 40   | 50   | 60   | 344                          | .4         |                   | .031                     |
| Competitors                                  | 37.5            | 13.1            | .95              | 20                             | 30   | 35   | 50   | 60   | 247                          | .7         |                   | .057                     |
| NSSE Carnegie                                | 36.1            | 14.2            | .50              | 10                             | 25   | 35   | 45   | 60   | 875                          | 2.1        |                   | .152                     |
| <b>Discussions with Diverse Others</b>       |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                                 | 36.2            | 13.6            | 1.79             | 15                             | 30   | 35   | 45   | 60   |                              |            |                   |                          |
| UMD Peers                                    | 38.8            | 15.6            | .92              | 15                             | 25   | 40   | 55   | 60   | 343                          | -2.6       |                   | -.169                    |
| Competitors                                  | 38.7            | 15.6            | 1.13             | 15                             | 30   | 40   | 55   | 60   | 247                          | -2.5       |                   | -.168                    |
| NSSE Carnegie                                | 40.4            | 15.1            | .53              | 20                             | 30   | 40   | 55   | 60   | 874                          | -4.2       | *                 | -.280                    |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Education

University of Minnesota Duluth

## Seniors<sup>a</sup> in Education

|                                     | Mean statistics |                 |                  | Percentile <sup>d</sup> scores |      |      |      |      | Comparison results           |            |                   |                          |
|-------------------------------------|-----------------|-----------------|------------------|--------------------------------|------|------|------|------|------------------------------|------------|-------------------|--------------------------|
|                                     | Mean            | SD <sup>b</sup> | SEM <sup>c</sup> | 5th                            | 25th | 50th | 75th | 95th | Deg. of freedom <sup>e</sup> | Mean diff. | Sig. <sup>f</sup> | Effect size <sup>g</sup> |
| <b>Experiences with Faculty</b>     |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Student-Faculty Interaction</b>  |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 57)                        | 26.4            | 17.6            | 2.33             | 5                              | 15   | 20   | 40   | 55   |                              |            |                   |                          |
| UMD Peers                           | 25.6            | 15.7            | .92              | 5                              | 15   | 25   | 35   | 60   | 345                          | .8         |                   | .049                     |
| Competitors                         | 25.1            | 15.2            | 1.11             | 5                              | 15   | 20   | 35   | 60   | 83                           | 1.3        |                   | .080                     |
| NSSE Carnegie                       | 26.3            | 16.0            | .56              | 5                              | 15   | 25   | 35   | 60   | 871                          | .1         |                   | .006                     |
| <b>Effective Teaching Practices</b> |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                        | 36.2            | 15.3            | 2.01             | 4                              | 24   | 36   | 48   | 60   |                              |            |                   |                          |
| UMD Peers                           | 39.3            | 12.5            | .73              | 16                             | 32   | 40   | 48   | 60   | 73                           | -3.1       |                   | -.239                    |
| Competitors                         | 38.6            | 12.8            | .92              | 16                             | 28   | 40   | 48   | 60   | 249                          | -2.4       |                   | -.181                    |
| NSSE Carnegie                       | 40.6            | 13.3            | .46              | 20                             | 32   | 40   | 52   | 60   | 888                          | -4.4       | *                 | -.328                    |
| <b>Campus Environment</b>           |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| <b>Quality of Interactions</b>      |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 55)                        | 41.4            | 11.6            | 1.56             | 20                             | 36   | 42   | 50   | 60   |                              |            |                   |                          |
| UMD Peers                           | 42.6            | 10.8            | .64              | 24                             | 36   | 44   | 50   | 60   | 339                          | -1.2       |                   | -.107                    |
| Competitors                         | 41.8            | 10.1            | .75              | 24                             | 36   | 42   | 48   | 60   | 237                          | -.4        |                   | -.038                    |
| NSSE Carnegie                       | 44.2            | 10.9            | .39              | 24                             | 38   | 45   | 52   | 60   | 841                          | -2.8       |                   | -.256                    |
| <b>Supportive Environment</b>       |                 |                 |                  |                                |      |      |      |      |                              |            |                   |                          |
| UMD (N = 58)                        | 29.6            | 11.5            | 1.51             | 10                             | 23   | 30   | 35   | 48   |                              |            |                   |                          |
| UMD Peers                           | 34.4            | 14.2            | .83              | 10                             | 25   | 35   | 45   | 60   | 95                           | -4.8       | **                | -.350                    |
| Competitors                         | 31.2            | 14.8            | 1.07             | 8                              | 20   | 31   | 40   | 60   | 120                          | -1.6       |                   | -.113                    |
| NSSE Carnegie                       | 34.3            | 14.4            | .50              | 10                             | 23   | 35   | 45   | 60   | 70                           | -4.7       | **                | -.327                    |

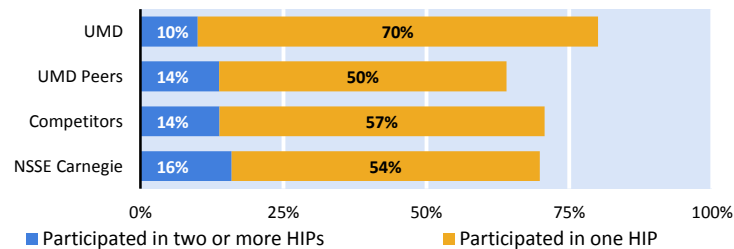
# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## High-Impact Practices: Education University of Minnesota Duluth

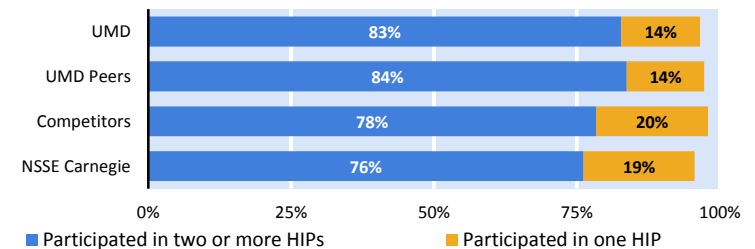
### Overall HIP Participation<sup>a</sup>

The figures below display the percentage<sup>h</sup> of students who participated in High-Impact Practices. Both figures include participation in a learning community, service-learning, and research with faculty. The Senior figure also includes participation in an internship or field experience, study abroad, and culminating senior experience. The first segment in each bar shows the percentage of students who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

*First-Year Students in Education*

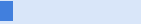







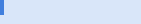



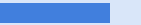



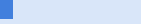



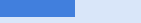



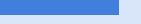



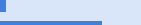



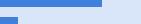



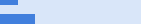



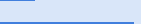













*Seniors in Education*



### Statistical Comparisons<sup>a</sup>

The table below compares the percentage<sup>h</sup> of your students who participated in a High-Impact Practice, including the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

|   | UMD |   |  | UMD Peers      |   |                          | Competitors    |   |                          | NSSE Carnegie  |   |                          |
|---|-----|---|--|----------------|---|--------------------------|----------------|---|--------------------------|----------------|---|--------------------------|
| <i>First-Year Students in Education</i> | %   |   |  | % <sup>i</sup> |   | Effect size <sup>j</sup> | % <sup>i</sup> |   | Effect size <sup>j</sup> | % <sup>i</sup> |   | Effect size <sup>j</sup> |
| 11c. Learning community                 | 10  |   |  | 18             |   | -.24                     | 12             |   | -.07                     | 19             |   | -.27                     |
| 12. Service-learning                    | 80  |  |  | 56 **          |  | .52                      | 68             |  | .27                      | 64 *           |  | .37                      |
| 11e. Research with faculty              | 4   |  |  | 5              |  | -.04                     | 9              |  | -.19                     | 5              |  | -.06                     |
| <b>Participated in at least one</b>     | 80  |  |  | 64 *           |  | .36                      | 71             |  | .22                      | 70             |  | .24                      |
| <b>Participated in two or more</b>      | 10  |  |  | 14             |  | -.12                     | 14             |  | -.12                     | 16             |  | -.18                     |
| <i>Seniors in Education</i>             |     |   |  |                |   |                          |                |   |                          |                |   |                          |
| 11c. Learning community                 | 54  |  |  | 36 **          |  | .37                      | 48             |  | .12                      | 36 **          |  | .36                      |
| 12. Service-learning                    | 86  |  |  | 88             |  | -.06                     | 85             |  | .02                      | 83             |  | .09                      |
| 11e. Research with faculty              | 5   |  |  | 14             |  | -.29                     | 10             |  | -.18                     | 11             |  | -.22                     |
| 11a. Internship or field exp.           | 74  |  |  | 74             |  | -.01                     | 70             |  | .09                      | 69             |  | .10                      |
| 11d. Study abroad                       | 14  |  |  | 19             |  | -.14                     | 11             |  | .10                      | 10             |  | .13                      |
| 11f. Culminating senior exp.            | 26  |  |  | 51 ***         |  | -.52                     | 37             |  | -.23                     | 42 *           |  | -.33                     |
| <b>Participated in at least one</b>     | 97  |  |  | 97             |  | -.04                     | 98             |  | -.09                     | 96             |  | .05                      |
| <b>Participated in two or more</b>      | 83  |  |  | 84             |  | -.03                     | 78             |  | .11                      | 76             |  | .16                      |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education                                   |   |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |  |      |       |      |       |        |       |      |      |      |                          |
|---|---|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|--|------|-------|------|-------|--------|-------|------|------|------|--------------------------|
|   |   |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  | Your first-year students compared with |      |       |      |       |        |       |      |      |      |                          |
| Item wording or description   | Variable name <sup>i</sup>  | Values <sup>m</sup> | Response options |                         |     |           |     |             |     |               |    |                                      | Count                                  | %    | Count | %    | Count | %      | Count | %    | Mean | Mean | Effect size <sup>n</sup> |
|   |   |                     |                  |                         |     |           |     |             |     |               |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| 1. During the current school year, about how often have you done the following? |   |                     |                  |                         |     |           |     |             |     |               |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| a. Asked questions or contributed to course discussions in other ways           | askquest  | 1                   | Never            | 1                       | 2   | 1         | 1   | 2           | 2   | 7             | 1  | 2.6                                  | 2.8                                    | -.27 | 2.8   | -.19 | 2.9 * | ▼      | -.33  |      |      |      |                          |
|   |   | 2                   | Sometimes        | 22                      | 44  | 68        | 36  | 46          | 40  | 175           | 33 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Often            | 21                      | 42  | 79        | 42  | 43          | 37  | 206           | 39 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Very often       | 6                       | 12  | 41        | 22  | 25          | 22  | 136           | 26 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 524 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| b. Prepared two or more drafts of a paper or assignment before turning it in    | drafts  | 1                   | Never            | 6                       | 12  | 33        | 18  | 14          | 12  | 73            | 14 | 2.4                                  | 2.4                                    | .01  | 2.7   | -.32 | 2.6   | -      | -.16  |      |      |      |                          |
|   |   | 2                   | Sometimes        | 20                      | 40  | 64        | 34  | 33          | 28  | 168           | 32 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Often            | 20                      | 40  | 68        | 36  | 38          | 33  | 182           | 35 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Very often       | 4                       | 8   | 23        | 12  | 31          | 27  | 101           | 19 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 524 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| c. Come to class without completing readings or assignments                     | unpreparedr<br><br>(Reverse-coded version of unprepared created by NSSE.) | 1                   | Very often       | 2                       | 4   | 7         | 4   | 6           | 5   | 31            | 6  | 3.0                                  | 3.1                                    | -.19 | 3.1   | -.16 | 3.1   | -      | -.17  |      |      |      |                          |
|   |   | 2                   | Often            | 7                       | 14  | 17        | 9   | 11          | 10  | 50            | 10 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Sometimes        | 32                      | 64  | 116       | 62  | 64          | 57  | 284           | 54 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Never            | 9                       | 18  | 48        | 26  | 32          | 28  | 159           | 30 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 50               | 100                     | 188 | 100       | 113 | 100         | 524 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| d. Attended an art exhibit, play or other arts performance (dance, music, etc.) | attendart   | 1                   | Never            | 19                      | 38  | 39        | 21  | 32          | 28  | 155           | 29 | 1.9                                  | 2.2 *                                  | ▼    | -.35  | 2.1  | -.17  | 2.1    | -     | -.17 |      |      |                          |
|   |   | 2                   | Sometimes        | 20                      | 40  | 91        | 48  | 57          | 49  | 239           | 45 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Often            | 8                       | 16  | 39        | 21  | 16          | 14  | 79            | 15 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Very often       | 3                       | 6   | 20        | 11  | 11          | 9   | 53            | 10 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 526 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| e. Asked another student to help you understand course material                 | CLaskhelp   | 1                   | Never            | 0                       | 0   | 10        | 5   | 3           | 3   | 34            | 6  | 2.9                                  | 2.7 *                                  | ▲    | .31   | 2.7  | .25   | 2.6 ** | ▲     | .36  |      |      |                          |
|   |   | 2                   | Sometimes        | 15                      | 31  | 75        | 40  | 47          | 41  | 211           | 40 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Often            | 23                      | 47  | 71        | 38  | 45          | 39  | 198           | 38 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Very often       | 11                      | 22  | 33        | 17  | 21          | 18  | 81            | 15 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 49               | 100                     | 189 | 100       | 116 | 100         | 524 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |
| f. Explained course material to one or more students                            | CLexplain   | 1                   | Never            | 2                       | 4   | 5         | 3   | 2           | 2   | 22            | 4  | 2.9                                  | 2.7                                    | .19  | 2.8   | .13  | 2.7   | -      | .18   |      |      |      |                          |
|   |   | 2                   | Sometimes        | 13                      | 26  | 75        | 41  | 45          | 39  | 195           | 38 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 3                   | Often            | 25                      | 50  | 73        | 39  | 47          | 41  | 209           | 40 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | 4                   | Very often       | 10                      | 20  | 32        | 17  | 21          | 18  | 93            | 18 |                                      |  |      |       |      |       |        |       |      |      |      |                          |
|   |   | Total               | 50               | 100                     | 185 | 100       | 115 | 100         | 519 | 100           |    |                                      |  |      |       |      |       |        |       |      |      |      |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |             |  |            |                          |              |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|-------------|--|------------|--------------------------|--------------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |             | Your first-year students compared with |            |                          |              |                          |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean        | Effect size <sup>n</sup>               | Mean       | Effect size <sup>n</sup> | Mean         | Effect size <sup>n</sup> |
| g. Prepared for exams by discussing or working through course material with other students                                | CLstudy                    | 1                   | Never            | 1                       | 2   | 16        | 9   | 12          | 10  | 75            | 14 | 2.9                                  | 2.6 **<br>▲ | .43                                    | 2.6 *<br>▲ | .43                      | 2.5 ***<br>▲ | .53                      |
|   |                            | 2                   | Sometimes        | 16                      | 32  | 79        | 42  | 48          | 41  | 212           | 41 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 18                      | 36  | 61        | 33  | 35          | 30  | 156           | 30 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 15                      | 30  | 31        | 17  | 21          | 18  | 79            | 15 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 522 | 100           |    |                                      |             |  |            |                          |              |                          |
| h. Worked with other students on course projects or assignments   | CLproject                  | 1                   | Never            | 0                       | 0   | 5         | 3   | 5           | 4   | 21            | 4  | 3.0                                  | 2.8 *<br>▲  | .33                                    | 2.7 *<br>▲ | .36                      | 2.7 **<br>▲  | .45                      |
|   |                            | 2                   | Sometimes        | 12                      | 24  | 70        | 38  | 49          | 42  | 218           | 42 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 24                      | 49  | 75        | 40  | 35          | 30  | 196           | 38 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 13                      | 27  | 36        | 19  | 27          | 23  | 86            | 17 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 49               | 100                     | 186 | 100       | 116 | 100         | 521 | 100           |    |                                      |             |  |            |                          |              |                          |
| i. Given a course presentation  | present                    | 1                   | Never            | 4                       | 8   | 25        | 13  | 13          | 11  | 74            | 14 | 2.4                                  | 2.4         | .05                                    | 2.6        | -.18                     | 2.4          | -.05                     |
|   |                            | 2                   | Sometimes        | 28                      | 56  | 92        | 49  | 46          | 40  | 218           | 42 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 12                      | 24  | 50        | 27  | 33          | 29  | 156           | 30 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 6                       | 12  | 21        | 11  | 22          | 19  | 75            | 14 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 114 | 100         | 523 | 100           |    |                                      |             |  |            |                          |              |                          |
| 2. During the current school year, about how often have you done the following?   |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |             |  |            |                          |              |                          |
| a. Combined ideas from different courses when completing assignments  | RIintegrate                | 1                   | Never            | 2                       | 4   | 7         | 4   | 4           | 3   | 33            | 6  | 2.8                                  | 2.7         | .11                                    | 2.7        | .12                      | 2.6          | .15                      |
|   |                            | 2                   | Sometimes        | 15                      | 30  | 79        | 42  | 51          | 44  | 225           | 43 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 26                      | 52  | 71        | 38  | 41          | 35  | 169           | 32 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 7                       | 14  | 31        | 16  | 20          | 17  | 97            | 19 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 524 | 100           |    |                                      |             |  |            |                          |              |                          |
| b. Connected your learning to societal problems or issues   | RIsocietal                 | 1                   | Never            | 4                       | 8   | 12        | 6   | 4           | 3   | 36            | 7  | 2.5                                  | 2.6         | -.13                                   | 2.7        | -.26                     | 2.6          | -.12                     |
|   |                            | 2                   | Sometimes        | 23                      | 46  | 80        | 43  | 46          | 40  | 222           | 42 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 17                      | 34  | 62        | 33  | 44          | 38  | 181           | 35 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 6                       | 12  | 32        | 17  | 21          | 18  | 85            | 16 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 50               | 100                     | 186 | 100       | 115 | 100         | 524 | 100           |    |                                      |             |  |            |                          |              |                          |
| c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments | RIDiverse                  | 1                   | Never            | 3                       | 6   | 18        | 10  | 7           | 6   | 44            | 8  | 2.5                                  | 2.5         | -.05                                   | 2.6        | -.09                     | 2.6          | -.12                     |
|   |                            | 2                   | Sometimes        | 24                      | 48  | 78        | 42  | 55          | 47  | 216           | 41 |                                      |             |  |            |                          |              |                          |
|   |                            | 3                   | Often            | 19                      | 38  | 67        | 36  | 37          | 32  | 180           | 34 |                                      |             |  |            |                          |              |                          |
|   |                            | 4                   | Very often       | 4                       | 8   | 24        | 13  | 17          | 15  | 83            | 16 |                                      |             |  |            |                          |              |                          |
|   |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 523 | 100           |    |                                      |             |  |            |                          |              |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |  |                          |               |                          |        |                          |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|--|--------------------------|---------------|--------------------------|--------|--------------------------|
|  |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  | Your first-year students compared with |                          |               |                          |        |                          |
|  |                            | UMD Peers           |                  |                         |     |           |     |             |     |               |    |                                      | Competitors                            |                          | NSSE Carnegie |                          |        |                          |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean                                   | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean   | Effect size <sup>n</sup> |
| d. Examined the strengths and weaknesses of your own views on a topic or issue                                 | RIownview                  | 1                   | Never            | 6                       | 12  | 9         | 5   | 8           | 7   | 22            | 4  | 2.4                                  | 2.7 *                                  | -0.39                    | 2.6           | -0.32                    | 2.7 ** | -0.45                    |
|  |                            | 2                   | Sometimes        | 21                      | 42  | 71        | 38  | 47          | 41  | 188           | 36 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 21                      | 42  | 76        | 41  | 39          | 34  | 215           | 41 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 2                       | 4   | 31        | 17  | 22          | 19  | 98            | 19 |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 523 | 100           |    |                                      |  |                          |               |                          |        |                          |
| e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | RIperspect                 | 1                   | Never            | 0                       | 0   | 3         | 2   | 2           | 2   | 10            | 2  | 2.9                                  | 2.9                                    | -0.09                    | 2.8           | 0.09                     | 2.9    | -0.04                    |
|  |                            | 2                   | Sometimes        | 14                      | 28  | 53        | 28  | 47          | 41  | 162           | 31 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 29                      | 58  | 85        | 46  | 40          | 34  | 225           | 43 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 7                       | 14  | 45        | 24  | 27          | 23  | 125           | 24 |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 186 | 100       | 116 | 100         | 522 | 100           |    |                                      |  |                          |               |                          |        |                          |
| f. Learned something that changed the way you understand an issue or concept                                   | RInewview                  | 1                   | Never            | 1                       | 2   | 6         | 3   | 2           | 2   | 15            | 3  | 2.7                                  | 2.9                                    | -0.27                    | 2.8           | -0.15                    | 2.9    | -0.22                    |
|  |                            | 2                   | Sometimes        | 16                      | 32  | 51        | 27  | 41          | 36  | 158           | 30 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 30                      | 60  | 84        | 45  | 48          | 42  | 230           | 44 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 3                       | 6   | 45        | 24  | 23          | 20  | 121           | 23 |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 186 | 100       | 114 | 100         | 524 | 100           |    |                                      |  |                          |               |                          |        |                          |
| g. Connected ideas from your courses to your prior experiences and knowledge                                   | RIconnect                  | 1                   | Never            | 0                       | 0   | 0         | 0   | 1           | 1   | 4             | 1  | 2.9                                  | 3.1                                    | -0.24                    | 3.0           | -0.06                    | 3.0    | -0.17                    |
|  |                            | 2                   | Sometimes        | 9                       | 18  | 38        | 20  | 36          | 31  | 122           | 23 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 36                      | 72  | 96        | 51  | 44          | 38  | 242           | 46 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 5                       | 10  | 53        | 28  | 34          | 30  | 155           | 30 |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 187 | 100       | 115 | 100         | 523 | 100           |    |                                      |  |                          |               |                          |        |                          |
| 3. During the current school year, about how often have you done the following?                                |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |  |                          |               |                          |        |                          |
| a. Talked about career plans with a faculty member   | SFcareer                   | 1                   | Never            | 4                       | 8   | 26        | 14  | 16          | 14  | 64            | 12 | 2.4                                  | 2.4                                    | -0.04                    | 2.4           | -0.03                    | 2.4    | -0.06                    |
|  |                            | 2                   | Sometimes        | 29                      | 58  | 88        | 47  | 55          | 47  | 249           | 48 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 12                      | 24  | 50        | 26  | 29          | 25  | 144           | 27 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 5                       | 10  | 25        | 13  | 16          | 14  | 67            | 13 |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 524 | 100           |    |                                      |  |                          |               |                          |        |                          |
| b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)         | SFotherwork                | 1                   | Never            | 24                      | 48  | 84        | 44  | 56          | 48  | 234           | 45 | 1.8                                  | 1.8                                    | 0.01                     | 1.8           | 0.04                     | 1.8    | -0.03                    |
|  |                            | 2                   | Sometimes        | 15                      | 30  | 71        | 38  | 36          | 31  | 180           | 34 |                                      |  |                          |               |                          |        |                          |
|  |                            | 3                   | Often            | 7                       | 14  | 20        | 11  | 17          | 15  | 70            | 13 |                                      |  |                          |               |                          |        |                          |
|  |                            | 4                   | Very often       | 4                       | 8   | 14        | 7   | 7           | 6   | 41            | 8  |                                      |  |                          |               |                          |        |                          |
|  |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 525 | 100           |    |                                      |  |                          |               |                          |        |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |  |      |                          |      |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|--|------|--------------------------|------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | Your first-year students compared with |      |                          |      |                          |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |
| c. Discussed course topics, ideas, or concepts with a faculty member outside of class     | SFdiscuss                  | 1                   | Never            | 16                      | 33  | 54        | 29  | 41          | 35  | 151           | 29 | 1.9                                  | 2.0  | -.05                                   | 2.0  | -.07                     | 2.0  | -.12                     |
|   |                            | 2                   | Sometimes        | 23                      | 47  | 99        | 52  | 45          | 39  | 243           | 47 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Often            | 7                       | 14  | 22        | 12  | 19          | 16  | 81            | 16 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very often       | 3                       | 6   | 14        | 7   | 11          | 9   | 46            | 9  |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 49               | 100                     | 189 | 100       | 116 | 100         | 521 | 100           |    |                                      |      |  |      |                          |      |                          |
| d. Discussed your academic performance with a faculty member                              | SFperform                  | 1                   | Never            | 16                      | 32  | 38        | 20  | 29          | 25  | 125           | 24 | 2.0                                  | 2.1  | -.20                                   | 2.1  | -.19                     | 2.2  | -.22                     |
|   |                            | 2                   | Sometimes        | 24                      | 48  | 103       | 55  | 51          | 45  | 246           | 47 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Often            | 6                       | 12  | 33        | 18  | 24          | 21  | 92            | 18 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very often       | 4                       | 8   | 14        | 7   | 10          | 9   | 57            | 11 |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 114 | 100         | 520 | 100           |    |                                      |      |  |      |                          |      |                          |
| 4. During the current school year, how much has your coursework emphasized the following? |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |      |  |      |                          |      |                          |
| a. Memorizing course material   | memorize                   | 1                   | Very little      | 1                       | 2   | 5         | 3   | 4           | 3   | 13            | 2  | 2.9                                  | 3.0  | -.14                                   | 2.9  | .00                      | 3.0  | -.10                     |
|   |                            | 2                   | Some             | 16                      | 32  | 46        | 24  | 33          | 28  | 127           | 24 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Quite a bit      | 21                      | 42  | 84        | 44  | 52          | 45  | 256           | 49 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very much        | 12                      | 24  | 54        | 29  | 27          | 23  | 129           | 25 |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 525 | 100           |    |                                      |      |  |      |                          |      |                          |
| b. Applying facts, theories, or methods to practical problems or new situations           | HOapply                    | 1                   | Very little      | 0                       | 0   | 7         | 4   | 4           | 3   | 22            | 4  | 3.0                                  | 2.8  | .22                                    | 2.8  | .21                      | 2.8  | .19                      |
|   |                            | 2                   | Some             | 9                       | 18  | 54        | 29  | 29          | 25  | 145           | 28 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Quite a bit      | 32                      | 65  | 92        | 49  | 64          | 56  | 254           | 49 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very much        | 8                       | 16  | 34        | 18  | 18          | 16  | 101           | 19 |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 49               | 100                     | 187 | 100       | 115 | 100         | 522 | 100           |    |                                      |      |  |      |                          |      |                          |
| c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts    | HOanalyze                  | 1                   | Very little      | 0                       | 0   | 8         | 4   | 2           | 2   | 21            | 4  | 2.9                                  | 2.8  | .09                                    | 2.9  | .02                      | 2.9  | -.01                     |
|   |                            | 2                   | Some             | 15                      | 30  | 64        | 34  | 36          | 31  | 145           | 28 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 52  | 72        | 38  | 54          | 47  | 229           | 44 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very much        | 9                       | 18  | 44        | 23  | 24          | 21  | 128           | 24 |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 523 | 100           |    |                                      |      |  |      |                          |      |                          |
| d. Evaluating a point of view, decision, or information source                            | HOevaluate                 | 1                   | Very little      | 5                       | 10  | 8         | 4   | 3           | 3   | 14            | 3  | 2.7                                  | 2.9  | -.20                                   | 2.9  | -.32                     | 2.9  | -.22                     |
|   |                            | 2                   | Some             | 14                      | 29  | 52        | 28  | 26          | 22  | 159           | 30 |                                      |      |  |      |                          |      |                          |
|   |                            | 3                   | Quite a bit      | 21                      | 43  | 87        | 46  | 61          | 53  | 235           | 45 |                                      |      |  |      |                          |      |                          |
|   |                            | 4                   | Very much        | 9                       | 18  | 42        | 22  | 26          | 22  | 117           | 22 |                                      |      |  |      |                          |      |                          |
|   |                            | Total               | 49               | 100                     | 189 | 100       | 116 | 100         | 525 | 100           |    |                                      |      |  |      |                          |      |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |       |                          |       |                          |       |                          |  |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|-------|--------------------------|-------|--------------------------|-------|--------------------------|--|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |       | UMD Peers                |       | Competitors              |       | NSSE Carnegie            |  |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean  | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |  |
| e. Forming a new idea or understanding from various pieces of information                   | HOform                     | 1                   | Very little      | 2                       | 4   | 10        | 5   | 1           | 1   | 24            | 5  | 2.8                                  | 2.8   | .05                      | 2.9   | -.04                     | 2.8   | .03                      |  |
|   |                            | 2                   | Some             | 12                      | 24  | 54        | 29  | 37          | 32  | 154           | 30 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 28                      | 56  | 87        | 47  | 54          | 47  | 237           | 45 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 8                       | 16  | 36        | 19  | 24          | 21  | 107           | 20 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 522 | 100           |    |                                      |       |                          |       |                          |       |                          |  |
| 5. During the current school year, to what extent have your instructors done the following? |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |       |                          |       |                          |       |                          |  |
| a. Clearly explained course goals and requirements  | ETgoals                    | 1                   | Very little      | 0                       | 0   | 3         | 2   | 2           | 2   | 4             | 1  | 3.1                                  | 3.1   | .03                      | 3.0   | .12                      | 3.2   | -.07                     |  |
|   |                            | 2                   | Some             | 6                       | 12  | 38        | 20  | 26          | 23  | 102           | 19 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 33                      | 66  | 89        | 47  | 55          | 48  | 230           | 44 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 11                      | 22  | 59        | 31  | 32          | 28  | 191           | 36 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 189 | 100       | 115 | 100         | 527 | 100           |    |                                      |       |                          |       |                          |       |                          |  |
| b. Taught course sessions in an organized way   | ETorganize                 | 1                   | Very little      | 1                       | 2   | 3         | 2   | 1           | 1   | 11            | 2  | 2.8                                  | 3.0   | -.22                     | 2.9   | -.12                     | 3.1 * | ▼                        |  |
|   |                            | 2                   | Some             | 13                      | 26  | 43        | 23  | 35          | 30  | 108           | 20 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 30                      | 60  | 99        | 52  | 54          | 47  | 250           | 47 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 6                       | 12  | 44        | 23  | 26          | 22  | 158           | 30 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 527 | 100           |    |                                      |       |                          |       |                          |       |                          |  |
| c. Used examples or illustrations to explain difficult points                               | ETexample                  | 1                   | Very little      | 1                       | 2   | 2         | 1   | 2           | 2   | 12            | 2  | 2.8                                  | 3.0   | -.21                     | 2.9   | -.14                     | 3.0   | -.27                     |  |
|   |                            | 2                   | Some             | 18                      | 36  | 50        | 27  | 37          | 32  | 124           | 24 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 20                      | 40  | 86        | 46  | 43          | 37  | 223           | 42 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 11                      | 22  | 50        | 27  | 33          | 29  | 166           | 32 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 115 | 100         | 525 | 100           |    |                                      |       |                          |       |                          |       |                          |  |
| d. Provided feedback on a draft or work in progress   | ETdraftfb                  | 1                   | Very little      | 2                       | 4   | 10        | 5   | 9           | 8   | 38            | 7  | 2.6                                  | 2.9 * | ▼                        | - .32 | 2.7                      | -.13  | 2.9 *                    |  |
|   |                            | 2                   | Some             | 22                      | 44  | 55        | 29  | 40          | 34  | 144           | 27 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 20                      | 40  | 74        | 39  | 43          | 37  | 196           | 37 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 6                       | 12  | 50        | 26  | 24          | 21  | 148           | 28 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 526 | 100           |    |                                      |       |                          |       |                          |       |                          |  |
| e. Provided prompt and detailed feedback on tests or completed assignments                  | ETfeedback                 | 1                   | Very little      | 3                       | 6   | 15        | 8   | 12          | 10  | 38            | 7  | 2.5                                  | 2.7   | -.28                     | 2.7   | -.23                     | 2.8 * | ▼                        |  |
|   |                            | 2                   | Some             | 24                      | 48  | 61        | 32  | 37          | 32  | 166           | 32 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 3                   | Quite a bit      | 19                      | 38  | 74        | 39  | 42          | 37  | 199           | 38 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | 4                   | Very much        | 4                       | 8   | 38        | 20  | 24          | 21  | 121           | 23 |                                      |       |                          |       |                          |       |                          |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 115 | 100         | 524 | 100           |    |                                      |       |                          |       |                          |       |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |  |       |                          |       |                          |
|--|--|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|--|-------|--------------------------|-------|--------------------------|
|  |  |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | Your first-year students compared with |       |                          |       |                          |
| Item wording or description  | Variable name <sup>l</sup>   | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean  | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |
| 6. During the current school year, about how often have you done the following?  |  |                     |                  |                         |     |           |     |             |     |               |    |                                      |      |  |       |                          |       |                          |
| a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)   | QRconclude   | 1                   | Never            | 11                      | 22  | 22        | 12  | 15          | 13  | 67            | 13 | 2.2                                  | 2.4  | -.29                                   | 2.5 * | -.39                     | 2.4   | -.28                     |
|  |  | 2                   | Sometimes        | 23                      | 46  | 85        | 45  | 43          | 37  | 229           | 44 |                                      |      |  |       |                          |       |                          |
|  |  | 3                   | Often            | 12                      | 24  | 61        | 32  | 37          | 32  | 170           | 32 |                                      |      |  |       |                          |       |                          |
|  |  | 4                   | Very often       | 4                       | 8   | 20        | 11  | 20          | 17  | 59            | 11 |                                      |      |  |       |                          |       |                          |
|  |  | Total               | 50               | 100                     | 188 | 100       | 115 | 100         | 525 | 100           |    |                                      |      |  |       |                          |       |                          |
| b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)   | QRproblem  | 1                   | Never            | 17                      | 34  | 42        | 22  | 24          | 21  | 112           | 21 | 1.9                                  | 2.2  | -.29                                   | 2.2 * | -.35                     | 2.2 * | -.30                     |
|  |  | 2                   | Sometimes        | 21                      | 42  | 86        | 46  | 50          | 43  | 242           | 46 |                                      |      |  |       |                          |       |                          |
|  |  | 3                   | Often            | 10                      | 20  | 42        | 22  | 30          | 26  | 128           | 24 |                                      |      |  |       |                          |       |                          |
|  |  | 4                   | Very often       | 2                       | 4   | 19        | 10  | 11          | 10  | 45            | 9  |                                      |      |  |       |                          |       |                          |
|  |  | Total               | 50               | 100                     | 189 | 100       | 115 | 100         | 527 | 100           |    |                                      |      |  |       |                          |       |                          |
| c. Evaluated what others have concluded from numerical information   | QRevaluate   | 1                   | Never            | 14                      | 28  | 42        | 22  | 25          | 22  | 106           | 20 | 2.0                                  | 2.2  | -.16                                   | 2.2   | -.17                     | 2.2   | -.20                     |
|  |  | 2                   | Sometimes        | 22                      | 44  | 89        | 47  | 54          | 47  | 252           | 48 |                                      |      |  |       |                          |       |                          |
|  |  | 3                   | Often            | 12                      | 24  | 39        | 21  | 26          | 23  | 120           | 23 |                                      |      |  |       |                          |       |                          |
|  |  | 4                   | Very often       | 2                       | 4   | 19        | 10  | 10          | 9   | 48            | 9  |                                      |      |  |       |                          |       |                          |
|  |  | Total               | 50               | 100                     | 189 | 100       | 115 | 100         | 526 | 100           |    |                                      |      |  |       |                          |       |                          |
| 7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.) |  |                     |                  |                         |     |           |     |             |     |               |    |                                      |      |  |       |                          |       |                          |
| a. Up to 5 pages   | wrshortnum<br><br>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.) | 0                   | None             | 2                       | 4   | 10        | 5   | 6           | 5   | 23            | 4  | 8.4                                  | 7.4  | .15                                    | 6.1 * | .42                      | 7.1   | .22                      |
|  |  | 1.5                 | 1-2              | 6                       | 12  | 34        | 18  | 22          | 20  | 86            | 17 |                                      |      |  |       |                          |       |                          |
|  |  | 4                   | 3-5              | 19                      | 38  | 49        | 26  | 30          | 27  | 162           | 31 |                                      |      |  |       |                          |       |                          |
|  |  | 8                   | 6-10             | 7                       | 14  | 53        | 28  | 40          | 36  | 135           | 26 |                                      |      |  |       |                          |       |                          |
|  |  | 13                  | 11-15            | 7                       | 14  | 18        | 10  | 10          | 9   | 61            | 12 |                                      |      |  |       |                          |       |                          |
|  |  | 18                  | 16-20            | 4                       | 8   | 9         | 5   | 2           | 2   | 22            | 4  |                                      |      |  |       |                          |       |                          |
|  |  | 23                  | More than 20     | 5                       | 10  | 14        | 7   | 2           | 2   | 26            | 5  |                                      |      |  |       |                          |       |                          |
|  |  | Total               | 50               | 100                     | 187 | 100       | 112 | 100         | 515 | 100           |    |                                      |      |  |       |                          |       |                          |
| b. Between 6 and 10 pages  | wrmednum<br><br>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)     | 0                   | None             | 17                      | 36  | 66        | 36  | 35          | 32  | 169           | 34 | 2.1                                  | 1.9  | .06                                    | 1.7   | .14                      | 1.9   | .07                      |
|  |  | 1.5                 | 1-2              | 18                      | 38  | 80        | 44  | 52          | 47  | 220           | 44 |                                      |      |  |       |                          |       |                          |
|  |  | 4                   | 3-5              | 9                       | 19  | 25        | 14  | 19          | 17  | 79            | 16 |                                      |      |  |       |                          |       |                          |
|  |  | 8                   | 6-10             | 2                       | 4   | 6         | 3   | 3           | 3   | 28            | 6  |                                      |      |  |       |                          |       |                          |
|  |  | 13                  | 11-15            | 0                       | 0   | 1         | 1   | 1           | 1   | 3             | 1  |                                      |      |  |       |                          |       |                          |
|  |  | 18                  | 16-20            | 1                       | 2   | 2         | 1   | 0           | 0   | 2             | 0  |                                      |      |  |       |                          |       |                          |
|  |  | 23                  | More than 20     | 0                       | 0   | 1         | 1   | 0           | 0   | 0             | 0  |                                      |      |  |       |                          |       |                          |
|  |  | Total               | 47               | 100                     | 181 | 100       | 110 | 100         | 501 | 100           |    |                                      |      |  |       |                          |       |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |   |  |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |  |      |                          |      |      |
|--|---|--|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|--|------|--------------------------|------|------|
|  |   |  |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | Your first-year students compared with |      |                          |      |      |
| Item wording or description  | Variable name <sup>i</sup>  | Values <sup>m</sup>  | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> |      |      |
| c. 11 pages or more  | wrlongnum   | 0  | None             | 34                      | 71  | 143       | 80  | 90          | 82  | 381           | 76  | .6                                   | .7   | -.02                                   | .7   | -.02                     |      |      |
|  | (Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.) | 1.5  | 1-2              | 12                      | 25  | 29        | 16  | 15          | 14  | 99            | 20  |                                      |      |  |      |                          |      |      |
|  |   | 4  | 3-5              | 1                       | 2   | 1         | 1   | 0           | 0   | 4             | 1   |                                      |      |  |      |                          |      |      |
|  |   | 8  | 6-10             | 1                       | 2   | 4         | 2   | 3           | 3   | 9             | 2   |                                      |      |  |      |                          |      |      |
|  |   | 13   | 11-15            | 0                       | 0   | 0         | 0   | 1           | 1   | 3             | 1   |                                      |      |  |      |                          |      |      |
|  |   | 18   | 16-20            | 0                       | 0   | 1         | 1   | 1           | 1   | 2             | 0   |                                      |      |  |      |                          |      |      |
|  |   | 23   | More than 20     | 0                       | 0   | 1         | 1   | 0           | 0   | 1             | 0   |                                      |      |  |      |                          |      |      |
|  |   | Total  |                  | 48                      | 100 | 179       | 100 | 110         | 100 | 499           | 100 |                                      |      |  |      |                          |      |      |
| Estimated number of assigned pages of student writing.   | wrpages   | (Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.) |                  |                         |     |           |     |             |     |               |     | 48.6                                 | 45.8 | .05                                    | 37.3 | .26                      | 43.1 | .13  |
| 8. During the current school year, about how often have you had discussions with people from the following groups? |   |  |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |      |
| a. People of a race or ethnicity other than your own   | DDrace  | 1  | Never            | 1                       | 2   | 6         | 3   | 7           | 6   | 25            | 5   | 2.8                                  | 2.9  | -.14                                   | 2.8  | .01                      | 2.9  | -.18 |
|  |   | 2  | Sometimes        | 20                      | 40  | 65        | 35  | 41          | 35  | 159           | 30  |                                      |      |  |      |                          |      |      |
|  |   | 3  | Often            | 19                      | 38  | 63        | 34  | 42          | 36  | 177           | 34  |                                      |      |  |      |                          |      |      |
|  |   | 4  | Very often       | 10                      | 20  | 54        | 29  | 26          | 22  | 166           | 31  |                                      |      |  |      |                          |      |      |
|  |   | Total  |                  | 50                      | 100 | 188       | 100 | 116         | 100 | 527           | 100 |                                      |      |  |      |                          |      |      |
| b. People from an economic background other than your own  | DDeconomic  | 1  | Never            | 1                       | 2   | 5         | 3   | 1           | 1   | 23            | 4   | 2.9                                  | 2.9  | -.07                                   | 2.9  | -.01                     | 2.9  | -.05 |
|  |   | 2  | Sometimes        | 14                      | 28  | 55        | 29  | 39          | 34  | 147           | 28  |                                      |      |  |      |                          |      |      |
|  |   | 3  | Often            | 25                      | 50  | 75        | 40  | 48          | 41  | 203           | 39  |                                      |      |  |      |                          |      |      |
|  |   | 4  | Very often       | 10                      | 20  | 53        | 28  | 28          | 24  | 153           | 29  |                                      |      |  |      |                          |      |      |
|  |   | Total  |                  | 50                      | 100 | 188       | 100 | 116         | 100 | 526           | 100 |                                      |      |  |      |                          |      |      |
| c. People with religious beliefs other than your own   | DDreligion  | 1  | Never            | 3                       | 6   | 10        | 5   | 7           | 6   | 29            | 6   | 2.9                                  | 3.0  | -.10                                   | 2.8  | .12                      | 3.0  | -.04 |
|  |   | 2  | Sometimes        | 12                      | 24  | 41        | 22  | 37          | 32  | 131           | 25  |                                      |      |  |      |                          |      |      |
|  |   | 3  | Often            | 21                      | 42  | 74        | 39  | 43          | 37  | 198           | 38  |                                      |      |  |      |                          |      |      |
|  |   | 4  | Very often       | 14                      | 28  | 63        | 34  | 29          | 25  | 167           | 32  |                                      |      |  |      |                          |      |      |
|  |   | Total  |                  | 50                      | 100 | 188       | 100 | 116         | 100 | 525           | 100 |                                      |      |  |      |                          |      |      |
| d. People with political views other than your own   | DDpolitical   | 1  | Never            | 1                       | 2   | 8         | 4   | 6           | 5   | 26            | 5   | 2.9                                  | 3.0  | -.16                                   | 2.9  | .05                      | 3.0  | -.10 |
|  |   | 2  | Sometimes        | 15                      | 30  | 44        | 24  | 35          | 31  | 128           | 24  |                                      |      |  |      |                          |      |      |
|  |   | 3  | Often            | 22                      | 44  | 68        | 36  | 42          | 37  | 197           | 38  |                                      |      |  |      |                          |      |      |
|  |   | 4  | Very often       | 12                      | 24  | 67        | 36  | 31          | 27  | 173           | 33  |                                      |      |  |      |                          |      |      |
|  |   | Total  |                  | 50                      | 100 | 187       | 100 | 114         | 100 | 524           | 100 |                                      |      |  |      |                          |      |      |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |  |      |                          |      |                          |  |  |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|--|------|--------------------------|------|--------------------------|--|--|
|   |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      | Your first-year students compared with |      |                          |      |                          |  |  |
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | UMD Peers                              |      | Competitors              |      | NSSE Carnegie            |  |  |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |  |  |
| 9. During the current school year, about how often have you done the following?                           |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |  |  |
| a. Identified key information from reading assignments  | LSreading                  | 1                   | Never            | 0                       | 0   | 1         | 1   | 1           | 1   | 2             | 0   | 3.0                                  | 3.0  | -.13                                   | 3.1  | -.24                     | 3.1  | -.22                     |  |  |
|   |                            | 2                   | Sometimes        | 9                       | 18  | 41        | 22  | 25          | 22  | 104           | 20  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 3                   | Often            | 34                      | 68  | 92        | 49  | 48          | 41  | 246           | 47  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 4                   | Very often       | 7                       | 14  | 52        | 28  | 42          | 36  | 170           | 33  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Total               | 50               | 100                     | 186 | 100       | 116 | 100         | 522 | 100           |     |                                      |      |  |      |                          |      |                          |  |  |
| b. Reviewed your notes after class  | LSnotes                    | 1                   | Never            | 0                       | 0   | 15        | 8   | 5           | 4   | 24            | 5   | 2.9                                  | 2.9  | -.01                                   | 3.0  | -.21                     | 3.0  | -.15                     |  |  |
|   |                            | 2                   | Sometimes        | 17                      | 34  | 50        | 27  | 30          | 26  | 138           | 26  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 3                   | Often            | 23                      | 46  | 66        | 35  | 36          | 31  | 178           | 34  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 4                   | Very often       | 10                      | 20  | 56        | 30  | 45          | 39  | 181           | 35  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 521 | 100           |     |                                      |      |  |      |                          |      |                          |  |  |
| c. Summarized what you learned in class or from course materials  | LSsummary                  | 1                   | Never            | 2                       | 4   | 16        | 9   | 4           | 4   | 33            | 6   | 2.8                                  | 2.8  | -.01                                   | 2.9  | -.18                     | 2.8  | -.08                     |  |  |
|   |                            | 2                   | Sometimes        | 15                      | 31  | 58        | 31  | 35          | 31  | 157           | 30  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 3                   | Often            | 25                      | 51  | 67        | 36  | 43          | 38  | 197           | 38  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 4                   | Very often       | 7                       | 14  | 46        | 25  | 32          | 28  | 133           | 26  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Total               | 49               | 100                     | 187 | 100       | 114 | 100         | 520 | 100           |     |                                      |      |  |      |                          |      |                          |  |  |
| 10. During the current school year, to what extent have your courses challenged you to do your best work? |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |  |  |
| challenge   |                            | 1                   | Not at all       | 0                       | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 5.5                                  | 5.4  | .01                                    | 5.5  | -.03                     | 5.4  | .03                      |  |  |
|   |                            | 2                   |                  | 0                       | 0   | 0         | 0   | 0           | 0   | 2             | 0   |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 3                   |                  | 1                       | 2   | 7         | 4   | 5           | 4   | 20            | 4   |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 4                   |                  | 3                       | 6   | 19        | 10  | 9           | 8   | 55            | 11  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 5                   |                  | 23                      | 46  | 77        | 41  | 42          | 36  | 207           | 40  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 6                   |                  | 18                      | 36  | 53        | 28  | 44          | 38  | 151           | 29  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | 7                   | Very much        | 5                       | 10  | 32        | 17  | 16          | 14  | 87            | 17  |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 522 | 100           |     |                                      |      |  |      |                          |      |                          |  |  |
| 11. Which of the following have you done or do you plan to do before you graduate? <sup>o</sup>           |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |  |  |
| a. Participate in an internship, co-op, field experience, student teaching, or clinical placement         | intern                     | Have not decided    | 0                | 0                       | 5   | 3         | 4   | 3           | 25  | 5             | 18% | 20%                                  | -.05 | 11%                                    | .19  | 18%                      | .00  |                          |  |  |
|   |                            | Do not plan to do   | 0                | 0                       | 3   | 2         | 3   | 3           | 5   | 1             |     |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Plan to do          | 41               | 82                      | 143 | 76        | 96  | 83          | 401 | 76            |     |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Done or in progress | 9                | 18                      | 38  | 20        | 13  | 11          | 95  | 18            |     |                                      |      |  |      |                          |      |                          |  |  |
|   |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 526 | 100           |     |                                      |      |  |      |                          |      |                          |  |  |
| (Means indicate the percentage who responded "Done or in progress.")                                      |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |  |  |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup>   |      |                          |      |                          |      |                          |
|--|--|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--|------|--------------------------|------|--------------------------|------|--------------------------|
|  |  |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your first-year students compared with |      |                          |      |                          |      |                          |
|  |  |                     |                  |                         |     |           |     |             |     |               |    | UMD                                    |      | UMD Peers                |      | Competitors              |      | NSSE Carnegie            |
| Item wording or description  | Variable name <sup>i</sup>   | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                   | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |
| b. Hold a formal leadership role in a student organization or group  | leader   |                     | Have not decided | 12                      | 24  | 59        | 31  | 30          | 26  | 161           | 31 | 10%                                    | 11%  | -.04                     | 13%  | -.10                     | 14%  | -.12                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 7                | 14                      | 44  | 23        | 38  | 33          | 119 | 23            |    |  |      |                          |      |                          |      |                          |
|  | Plan to do   | 26                  | 52               | 64                      | 34  | 31        | 27  | 171         | 33  |               |    |  |      |                          |      |                          |      |                          |
|  | Done or in progress  | 5                   | 10               | 21                      | 11  | 15        | 13  | 73          | 14  |               |    |  |      |                          |      |                          |      |                          |
|  | Total  | 50                  | 100              | 188                     | 100 | 114       | 100 | 524         | 100 |               |    |  |      |                          |      |                          |      |                          |
| c. Participate in a learning community or some other formal program where groups of students take two or more classes together | learncom   |                     | Have not decided | 15                      | 30  | 45        | 24  | 34          | 29  | 160           | 31 | 10%                                    | 18%  | -.24                     | 12%  | -.07                     | 19%  | -.27                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 10               | 20                      | 52  | 28        | 33  | 28          | 129 | 25            |    |  |      |                          |      |                          |      |                          |
|  | Plan to do   | 20                  | 40               | 57                      | 30  | 35        | 30  | 134         | 26  |               |    |  |      |                          |      |                          |      |                          |
|  | Done or in progress  | 5                   | 10               | 34                      | 18  | 14        | 12  | 101         | 19  |               |    |  |      |                          |      |                          |      |                          |
|  | Total  | 50                  | 100              | 188                     | 100 | 116       | 100 | 524         | 100 |               |    |  |      |                          |      |                          |      |                          |
| d. Participate in a study abroad program   | abroad   |                     | Have not decided | 17                      | 35  | 55        | 29  | 41          | 35  | 163           | 31 | 0%                                     | 2%   | -.29                     | 2%   | -.26                     | 3%   | -.35                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 13               | 27                      | 48  | 26        | 26  | 22          | 181 | 34            |    |  |      |                          |      |                          |      |                          |
|  | Plan to do   | 19                  | 39               | 81                      | 43  | 47        | 41  | 166         | 32  |               |    |  |      |                          |      |                          |      |                          |
|  | Done or in progress  | 0                   | 0                | 4                       | 2   | 2         | 2   | 16          | 3   |               |    |  |      |                          |      |                          |      |                          |
|  | Total  | 49                  | 100              | 188                     | 100 | 116       | 100 | 526         | 100 |               |    |  |      |                          |      |                          |      |                          |
| e. Work with a faculty member on a research project  | research   |                     | Have not decided | 27                      | 54  | 69        | 37  | 44          | 38  | 199           | 38 | 4%                                     | 5%   | -.04                     | 9%   | -.19                     | 5%   | -.06                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 14               | 28                      | 81  | 43        | 42  | 36          | 191 | 36            |    |  |      |                          |      |                          |      |                          |
|  | Plan to do   | 7                   | 14               | 29                      | 15  | 20        | 17  | 106         | 20  |               |    |  |      |                          |      |                          |      |                          |
|  | Done or in progress  | 2                   | 4                | 9                       | 5   | 10        | 9   | 28          | 5   |               |    |  |      |                          |      |                          |      |                          |
|  | Total  | 50                  | 100              | 188                     | 100 | 116       | 100 | 524         | 100 |               |    |  |      |                          |      |                          |      |                          |
| f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)   | capstone   |                     | Have not decided | 30                      | 60  | 48        | 26  | 34          | 30  | 172           | 33 | 0%                                     | 1%   | -.21                     | 3%   | -.38                     | 3%   | -.34                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 7                | 14                      | 14  | 7         | 18  | 16          | 47  | 9             |    |  |      |                          |      |                          |      |                          |
|  | Plan to do   | 13                  | 26               | 124                     | 66  | 59        | 51  | 292         | 56  |               |    |  |      |                          |      |                          |      |                          |
|  | Done or in progress  | 0                   | 0                | 2                       | 1   | 4         | 3   | 15          | 3   |               |    |  |      |                          |      |                          |      |                          |
|  | Total  | 50                  | 100              | 188                     | 100 | 115       | 100 | 526         | 100 |               |    |  |      |                          |      |                          |      |                          |

#### 12. About how many of your courses at this institution have included a community-based project (service-learning)?

|  |            |       |      |    |     |     |     |     |     |     |     |     |   |         |     |     |     |        |     |   |
|--|------------|-------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|---|---------|-----|-----|-----|--------|-----|---|
|  | servcourse | 1     | None | 10 | 20  | 83  | 44  | 37  | 32  | 191 | 36  | 2.0 | ▲ | 1.6 *** | .64 | 1.8 | .28 | 1.7 ** | .47 | ▲ |
|  |            | 2     | Some | 30 | 60  | 94  | 50  | 65  | 56  | 295 | 56  |     |   |         |     |     |     |        |     |   |
|  |            | 3     | Most | 9  | 18  | 12  | 6   | 11  | 9   | 33  | 6   |     |   |         |     |     |     |        |     |   |
|  |            | 4     | All  | 1  | 2   | 0   | 0   | 3   | 3   | 6   | 1   |     |   |         |     |     |     |        |     |   |
|  |            | Total |      | 50 | 100 | 189 | 100 | 116 | 100 | 525 | 100 |     |   |         |     |     |     |        |     |   |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup>   |           |                          |               |                          |      |                          |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--|-----------|--------------------------|---------------|--------------------------|------|--------------------------|
|  |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your first-year students compared with |           |                          |               |                          |      |                          |
|  |                            |                     |                  |                         |     |           |     |             |     |               |    | UMD                                    | UMD Peers | Competitors              | NSSE Carnegie |                          |      |                          |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                   | Mean      | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |
| 13. Indicate the quality of your interactions with the following people at your institution. |                            |                     |                  |                         |     |           |     |             |     |               |    |  |           |                          |               |                          |      |                          |
| a. Students  | QIstudent                  | 1                   | Poor             | 0                       | 0   | 0         | 0   | 0           | 0   | 3             | 1  | 5.7                                    | 5.8       | -.06                     | 5.7           | .05                      | 5.7  | .02                      |
|  |                            | 2                   | 1                | 2                       | 3   | 2         | 2   | 2           | 9   | 2             |    |  |           |                          |               |                          |      |                          |
|  |                            | 3                   | 1                | 2                       | 5   | 3         | 5   | 4           | 16  | 3             |    |  |           |                          |               |                          |      |                          |
|  |                            | 4                   | 3                | 6                       | 13  | 7         | 11  | 9           | 58  | 11            |    |  |           |                          |               |                          |      |                          |
|  |                            | 5                   | 13               | 26                      | 49  | 26        | 29  | 25          | 112 | 21            |    |  |           |                          |               |                          |      |                          |
|  |                            | 6                   | 20               | 40                      | 58  | 31        | 34  | 29          | 153 | 29            |    |  |           |                          |               |                          |      |                          |
|  |                            | 7                   | Excellent        | 12                      | 24  | 61        | 32  | 35          | 30  | 170           | 32 |  |           |                          |               |                          |      |                          |
|  |                            | —                   | Not applicable   | 0                       | 0   | 0         | 0   | 0           | 0   | 6             | 1  |  |           |                          |               |                          |      |                          |
|  |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 527 | 100           |    |  |           |                          |               |                          |      |                          |
| b. Academic advisors   | QIadvisor                  | 1                   | Poor             | 1                       | 2   | 9         | 5   | 1           | 1   | 17            | 3  | 5.1                                    | 5.1       | .02                      | 5.1           | .00                      | 5.3  | -.12                     |
|  |                            | 2                   | 1                | 2                       | 7   | 4         | 10  | 9           | 19  | 4             |    |  |           |                          |               |                          |      |                          |
|  |                            | 3                   | 3                | 6                       | 18  | 10        | 10  | 9           | 32  | 6             |    |  |           |                          |               |                          |      |                          |
|  |                            | 4                   | 11               | 22                      | 30  | 16        | 19  | 16          | 79  | 15            |    |  |           |                          |               |                          |      |                          |
|  |                            | 5                   | 12               | 24                      | 39  | 21        | 19  | 16          | 109 | 21            |    |  |           |                          |               |                          |      |                          |
|  |                            | 6                   | 15               | 30                      | 35  | 19        | 27  | 23          | 114 | 22            |    |  |           |                          |               |                          |      |                          |
|  |                            | 7                   | Excellent        | 7                       | 14  | 50        | 26  | 29          | 25  | 153           | 29 |  |           |                          |               |                          |      |                          |
|  |                            | —                   | Not applicable   | 0                       | 0   | 1         | 1   | 1           | 1   | 4             | 1  |  |           |                          |               |                          |      |                          |
|  |                            | Total               | 50               | 100                     | 189 | 100       | 116 | 100         | 527 | 100           |    |  |           |                          |               |                          |      |                          |
| c. Faculty   | QIfaculty                  | 1                   | Poor             | 0                       | 0   | 1         | 1   | 0           | 0   | 6             | 1  | 5.3                                    | 5.4       | -.13                     | 5.2           | .02                      | 5.4  | -.12                     |
|  |                            | 2                   | 0                | 0                       | 3   | 2         | 5   | 4           | 10  | 2             |    |  |           |                          |               |                          |      |                          |
|  |                            | 3                   | 4                | 8                       | 8   | 4         | 9   | 8           | 30  | 6             |    |  |           |                          |               |                          |      |                          |
|  |                            | 4                   | 6                | 12                      | 27  | 15        | 17  | 15          | 66  | 13            |    |  |           |                          |               |                          |      |                          |
|  |                            | 5                   | 17               | 35                      | 50  | 27        | 29  | 25          | 129 | 25            |    |  |           |                          |               |                          |      |                          |
|  |                            | 6                   | 17               | 35                      | 60  | 32        | 32  | 28          | 160 | 30            |    |  |           |                          |               |                          |      |                          |
|  |                            | 7                   | Excellent        | 5                       | 10  | 37        | 20  | 23          | 20  | 119           | 23 |  |           |                          |               |                          |      |                          |
|  |                            | —                   | Not applicable   | 0                       | 0   | 0         | 0   | 0           | 0   | 5             | 1  |  |           |                          |               |                          |      |                          |
|  |                            | Total               | 49               | 100                     | 186 | 100       | 115 | 100         | 525 | 100           |    |  |           |                          |               |                          |      |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education                                  |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |  |      |                          |       |                          |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|--|------|--------------------------|-------|--------------------------|
|  |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | Your first-year students compared with |      |                          |       |                          |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |
| d. Student services staff (career services, student activities, housing, etc.) | Qlstaff                    | 1                   | Poor             | 1                       | 2   | 3         | 2   | 2           | 2   | 17            | 3   | 5.1                                  | 5.3  | -.13                                   | 5.3  | -.08                     | 5.3   | -.07                     |
|  |                            | 2                   |                  | 2                       | 4   | 4         | 2   | 6           | 5   | 18            | 3   |                                      |      |  |      |                          |       |                          |
|  |                            | 3                   |                  | 3                       | 6   | 15        | 8   | 9           | 8   | 33            | 6   |                                      |      |  |      |                          |       |                          |
|  |                            | 4                   |                  | 5                       | 10  | 23        | 12  | 12          | 10  | 64            | 12  |                                      |      |  |      |                          |       |                          |
|  |                            | 5                   |                  | 19                      | 38  | 43        | 23  | 28          | 24  | 101           | 19  |                                      |      |  |      |                          |       |                          |
|  |                            | 6                   |                  | 10                      | 20  | 40        | 21  | 28          | 24  | 121           | 23  |                                      |      |  |      |                          |       |                          |
|  |                            | 7                   | Excellent        | 9                       | 18  | 47        | 25  | 29          | 25  | 128           | 24  |                                      |      |  |      |                          |       |                          |
|  |                            | —                   | Not applicable   | 1                       | 2   | 14        | 7   | 2           | 2   | 46            | 9   |                                      |      |  |      |                          |       |                          |
|  |                            | Total               |                  | 50                      | 100 | 189       | 100 | 116         | 100 | 528           | 100 |                                      |      |  |      |                          |       |                          |
| e. Other administrative staff and offices (registrar, financial aid, etc.)     | Qladmin                    | 1                   | Poor             | 1                       | 2   | 4         | 2   | 1           | 1   | 16            | 3   | 5.0                                  | 5.2  | -.11                                   | 5.0  | -.01                     | 5.1   | -.05                     |
|  |                            | 2                   |                  | 1                       | 2   | 8         | 4   | 9           | 8   | 34            | 6   |                                      |      |  |      |                          |       |                          |
|  |                            | 3                   |                  | 4                       | 8   | 9         | 5   | 10          | 9   | 35            | 7   |                                      |      |  |      |                          |       |                          |
|  |                            | 4                   |                  | 7                       | 14  | 39        | 21  | 20          | 17  | 77            | 15  |                                      |      |  |      |                          |       |                          |
|  |                            | 5                   |                  | 20                      | 40  | 30        | 16  | 20          | 17  | 95            | 18  |                                      |      |  |      |                          |       |                          |
|  |                            | 6                   |                  | 10                      | 20  | 44        | 23  | 30          | 26  | 127           | 24  |                                      |      |  |      |                          |       |                          |
|  |                            | 7                   | Excellent        | 6                       | 12  | 41        | 22  | 21          | 18  | 115           | 22  |                                      |      |  |      |                          |       |                          |
|  |                            | —                   | Not applicable   | 1                       | 2   | 14        | 7   | 4           | 3   | 27            | 5   |                                      |      |  |      |                          |       |                          |
|  |                            | Total               |                  | 50                      | 100 | 189       | 100 | 115         | 100 | 526           | 100 |                                      |      |  |      |                          |       |                          |
| 14. How much does your institution emphasize the following?                    |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |       |                          |
| a. Spending significant amounts of time studying and on academic work          | empstudy                   | 1                   | Very little      | 0                       | 0   | 3         | 2   | 0           | 0   | 1             | 0   | 3.1                                  | 3.2  | -.14                                   | 3.1  | -.08                     | 3.2   | -.21                     |
|  |                            | 2                   | Some             | 8                       | 16  | 25        | 13  | 22          | 19  | 68            | 13  |                                      |      |  |      |                          |       |                          |
|  |                            | 3                   | Quite a bit      | 30                      | 60  | 95        | 51  | 56          | 48  | 270           | 52  |                                      |      |  |      |                          |       |                          |
|  |                            | 4                   | Very much        | 12                      | 24  | 65        | 35  | 38          | 33  | 184           | 35  |                                      |      |  |      |                          |       |                          |
|  |                            | Total               |                  | 50                      | 100 | 188       | 100 | 116         | 100 | 523           | 100 |                                      |      |  |      |                          |       |                          |
| b. Providing support to help students succeed academically                     | SEacademic                 | 1                   | Very little      | 1                       | 2   | 2         | 1   | 3           | 3   | 6             | 1   | 3.0                                  | 3.2  | -.26                                   | 3.1  | -.17                     | 3.2 * | -0.30 ▽                  |
|  |                            | 2                   | Some             | 10                      | 20  | 33        | 18  | 21          | 18  | 86            | 17  |                                      |      |  |      |                          |       |                          |
|  |                            | 3                   | Quite a bit      | 28                      | 56  | 82        | 44  | 50          | 44  | 225           | 43  |                                      |      |  |      |                          |       |                          |
|  |                            | 4                   | Very much        | 11                      | 22  | 69        | 37  | 40          | 35  | 202           | 39  |                                      |      |  |      |                          |       |                          |
|  |                            | Total               |                  | 50                      | 100 | 186       | 100 | 114         | 100 | 519           | 100 |                                      |      |  |      |                          |       |                          |
| c. Using learning support services (tutoring services, writing center, etc.)   | SElearnsup                 | 1                   | Very little      | 2                       | 4   | 10        | 5   | 7           | 6   | 22            | 4   | 3.2                                  | 3.2  | .00                                    | 3.1  | .12                      | 3.2   | -.02                     |
|  |                            | 2                   | Some             | 6                       | 12  | 24        | 13  | 19          | 17  | 77            | 15  |                                      |      |  |      |                          |       |                          |
|  |                            | 3                   | Quite a bit      | 23                      | 46  | 74        | 40  | 46          | 40  | 196           | 38  |                                      |      |  |      |                          |       |                          |
|  |                            | 4                   | Very much        | 19                      | 38  | 77        | 42  | 42          | 37  | 223           | 43  |                                      |      |  |      |                          |       |                          |
|  |                            | Total               |                  | 50                      | 100 | 185       | 100 | 114         | 100 | 518           | 100 |                                      |      |  |      |                          |       |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |  |      |                          |      |                          |  |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|--|------|--------------------------|------|--------------------------|--|
|   |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |      | Your first-year students compared with |      |                          |      |                          |  |
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | UMD Peers                              |      | Competitors              |      | NSSE Carnegie            |  |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |  |
| d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.) | SEdiverse                  | 1                   | Very little      | 5                       | 10  | 16        | 9   | 12          | 10  | 42            | 8  | 2.8                                  | 2.8  | .00                                    | 2.7  | .14                      | 2.8  | .00                      |  |
|   |                            | 2                   | Some             | 10                      | 20  | 53        | 28  | 41          | 36  | 160           | 31 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 23                      | 47  | 68        | 36  | 33          | 29  | 171           | 33 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 11                      | 22  | 51        | 27  | 29          | 25  | 149           | 29 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 49               | 100                     | 188 | 100       | 115 | 100         | 522 | 100           |    |                                      |      |  |      |                          |      |                          |  |
| e. Providing opportunities to be involved socially  | SEsocial                   | 1                   | Very little      | 2                       | 4   | 8         | 4   | 3           | 3   | 16            | 3  | 3.1                                  | 3.1  | .01                                    | 3.0  | .17                      | 3.1  | -.02                     |  |
|   |                            | 2                   | Some             | 10                      | 20  | 32        | 17  | 37          | 32  | 100           | 19 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 19                      | 38  | 83        | 44  | 38          | 33  | 213           | 41 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 19                      | 38  | 65        | 35  | 38          | 33  | 193           | 37 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 522 | 100           |    |                                      |      |  |      |                          |      |                          |  |
| f. Providing support for your overall well-being (recreation, health care, counseling, etc.)              | SEwellness                 | 1                   | Very little      | 0                       | 0   | 7         | 4   | 4           | 3   | 26            | 5  | 3.1                                  | 3.1  | -.05                                   | 3.1  | -.07                     | 3.1  | .01                      |  |
|   |                            | 2                   | Some             | 13                      | 26  | 38        | 20  | 20          | 17  | 107           | 21 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 21                      | 42  | 72        | 38  | 51          | 44  | 201           | 39 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 16                      | 32  | 71        | 38  | 41          | 35  | 185           | 36 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 519 | 100           |    |                                      |      |  |      |                          |      |                          |  |
| g. Helping you manage your non-academic responsibilities (work, family, etc.)                             | SEnonacad                  | 1                   | Very little      | 5                       | 10  | 32        | 17  | 16          | 14  | 91            | 18 | 2.5                                  | 2.5  | -.04                                   | 2.5  | -.06                     | 2.5  | -.05                     |  |
|   |                            | 2                   | Some             | 22                      | 44  | 59        | 32  | 44          | 38  | 168           | 32 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 18                      | 36  | 67        | 36  | 36          | 31  | 166           | 32 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 5                       | 10  | 29        | 16  | 20          | 17  | 95            | 18 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 50               | 100                     | 187 | 100       | 116 | 100         | 520 | 100           |    |                                      |      |  |      |                          |      |                          |  |
| h. Attending campus activities and events (performing arts, athletic events, etc.)                        | SEactivities               | 1                   | Very little      | 1                       | 2   | 9         | 5   | 6           | 5   | 28            | 5  | 2.9                                  | 3.0  | -.16                                   | 3.1  | -.20                     | 3.0  | -.15                     |  |
|   |                            | 2                   | Some             | 15                      | 30  | 31        | 16  | 21          | 18  | 99            | 19 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 22                      | 44  | 93        | 49  | 47          | 41  | 225           | 43 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 12                      | 24  | 55        | 29  | 41          | 36  | 167           | 32 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 115 | 100         | 519 | 100           |    |                                      |      |  |      |                          |      |                          |  |
| i. Attending events that address important social, economic, or political issues                          | SEevents                   | 1                   | Very little      | 3                       | 6   | 22        | 12  | 12          | 11  | 55            | 11 | 2.6                                  | 2.7  | -.05                                   | 2.6  | .03                      | 2.7  | -.06                     |  |
|   |                            | 2                   | Some             | 22                      | 44  | 56        | 30  | 43          | 38  | 166           | 32 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 16                      | 32  | 71        | 38  | 38          | 33  | 181           | 35 |                                      |      |  |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 9                       | 18  | 37        | 20  | 21          | 18  | 110           | 21 |                                      |      |  |      |                          |      |                          |  |
|   |                            | Total               | 50               | 100                     | 186 | 100       | 114 | 100         | 512 | 100           |    |                                      |      |  |      |                          |      |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |   |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |               |  |              |                          |               |                          |  |
|---|---|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|---------------|--|--------------|--------------------------|---------------|--------------------------|--|
|   |   |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |               | Your first-year students compared with |              |                          |               |                          |  |
|   |   |                     |                  |                         |     |           |     |             |     |               |    |                                      |               | UMD Peers                              |              | Competitors              |               | NSSE Carnegie            |  |
| Item wording or description   | Variable name <sup>i</sup>  | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean          | Effect size <sup>n</sup>               | Mean         | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> |  |
| 15. About how many hours do you spend in a typical 7-day week doing the following?  |   |                     |                  |                         |     |           |     |             |     |               |    |                                      |               |  |              |                          |               |                          |  |
| a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)                                | tmprephrs   | 0                   | 0 hrs            | 0                       | 0   | 0         | 0   | 0           | 0   | 2             | 0  | 16.5                                 | 12.3 ***<br>▲ | .59                                    | 13.1 **<br>▲ | .46                      | 12.7 ***<br>▲ | .52                      |  |
|   | (Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)   | 3                   | 1-5 hrs          | 3                       | 6   | 29        | 15  | 14          | 12  | 75            | 14 |                                      |               |  |              |                          |               |                          |  |
|   | 8   | 6-10 hrs            | 7                | 14                      | 59  | 31        | 39  | 34          | 159 | 30            |    |                                      |               |  |              |                          |               |                          |  |
|   | 13  | 11-15 hrs           | 14               | 28                      | 44  | 23        | 24  | 21          | 129 | 25            |    |                                      |               |  |              |                          |               |                          |  |
|   | 18  | 16-20 hrs           | 13               | 26                      | 30  | 16        | 20  | 17          | 83  | 16            |    |                                      |               |  |              |                          |               |                          |  |
|   | 23  | 21-25 hrs           | 7                | 14                      | 18  | 10        | 10  | 9           | 47  | 9             |    |                                      |               |  |              |                          |               |                          |  |
|   | 28  | 26-30 hrs           | 3                | 6                       | 6   | 3         | 7   | 6           | 19  | 4             |    |                                      |               |  |              |                          |               |                          |  |
|   | 33  | More than 30 hrs    | 3                | 6                       | 2   | 1         | 2   | 2           | 12  | 2             |    |                                      |               |  |              |                          |               |                          |  |
|   | Total   | 50                  | 100              | 188                     | 100 | 116       | 100 | 526         | 100 |               |    |                                      |               |  |              |                          |               |                          |  |
| b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.) | tmcocurrhrs   | 0                   | 0 hrs            | 7                       | 14  | 41        | 22  | 40          | 35  | 162           | 31 | 5.9                                  | 5.1           | .16                                    | 4.1          | .31                      | 5.0           | .15                      |  |
|   | (Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 23                      | 47  | 86        | 46  | 48          | 42  | 196           | 37 |                                      |               |  |              |                          |               |                          |  |
|   | 8   | 6-10 hrs            | 13               | 27                      | 29  | 16        | 12  | 11          | 84  | 16            |    |                                      |               |  |              |                          |               |                          |  |
|   | 13  | 11-15 hrs           | 2                | 4                       | 20  | 11        | 6   | 5           | 46  | 9             |    |                                      |               |  |              |                          |               |                          |  |
|   | 18  | 16-20 hrs           | 2                | 4                       | 7   | 4         | 5   | 4           | 20  | 4             |    |                                      |               |  |              |                          |               |                          |  |
|   | 23  | 21-25 hrs           | 1                | 2                       | 3   | 2         | 1   | 1           | 10  | 2             |    |                                      |               |  |              |                          |               |                          |  |
|   | 28  | 26-30 hrs           | 0                | 0                       | 0   | 0         | 0   | 0           | 3   | 1             |    |                                      |               |  |              |                          |               |                          |  |
|   | 33  | More than 30 hrs    | 1                | 2                       | 0   | 0         | 1   | 1           | 3   | 1             |    |                                      |               |  |              |                          |               |                          |  |
|   | Total   | 49                  | 100              | 186                     | 100 | 113       | 100 | 524         | 100 |               |    |                                      |               |  |              |                          |               |                          |  |
| c. Working for pay on campus  | tmworkonhrs   | 0                   | 0 hrs            | 40                      | 80  | 142       | 76  | 87          | 75  | 408           | 78 | 2.4                                  | 2.6           | -.05                                   | 2.5          | -.01                     | 2.4           | .01                      |  |
|   | (Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 1                       | 2   | 7         | 4   | 6           | 5   | 22            | 4  |                                      |               |  |              |                          |               |                          |  |
|   | 8   | 6-10 hrs            | 4                | 8                       | 18  | 10        | 10  | 9           | 40  | 8             |    |                                      |               |  |              |                          |               |                          |  |
|   | 13  | 11-15 hrs           | 3                | 6                       | 13  | 7         | 10  | 9           | 29  | 6             |    |                                      |               |  |              |                          |               |                          |  |
|   | 18  | 16-20 hrs           | 0                | 0                       | 6   | 3         | 2   | 2           | 17  | 3             |    |                                      |               |  |              |                          |               |                          |  |
|   | 23  | 21-25 hrs           | 2                | 4                       | 1   | 1         | 1   | 1           | 6   | 1             |    |                                      |               |  |              |                          |               |                          |  |
|   | 28  | 26-30 hrs           | 0                | 0                       | 0   | 0         | 0   | 0           | 0   | 0             |    |                                      |               |  |              |                          |               |                          |  |
|   | 33  | More than 30 hrs    | 0                | 0                       | 1   | 1         | 0   | 0           | 1   | 0             |    |                                      |               |  |              |                          |               |                          |  |
|   | Total   | 50                  | 100              | 188                     | 100 | 116       | 100 | 523         | 100 |               |    |                                      |               |  |              |                          |               |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |         |  |      |                          |         |                          |  |
|--|--|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|---------|--|------|--------------------------|---------|--------------------------|--|
|  |  |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |         | Your first-year students compared with |      |                          |         |                          |  |
|  |  |                     |                  |                         |     |           |     |             |     |               |     |                                      |         | UMD Peers                              |      | Competitors              |         | NSSE Carnegie            |  |
| Item wording or description  | Variable name <sup>i</sup>   | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean    | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean    | Effect size <sup>n</sup> |  |
| d. Working for pay off campus  | tmworkoffhrs   | 0                   | 0 hrs            | 39                      | 80  | 130       | 70  | 76          | 67  | 296           | 56  | 3.2                                  | 4.6     | -.18                                   | 4.4  | -.16                     | 7.3 *** | -.41                     |  |
|  | (Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 2                       | 4   | 7         | 4   | 5           | 4   | 31            | 6   |                                      |         |  |      |                          |         |                          |  |
|  |  | 8                   | 6-10 hrs         | 0                       | 0   | 14        | 7   | 11          | 10  | 36            | 7   |                                      |         |  |      |                          |         |                          |  |
|  |  | 13                  | 11-15 hrs        | 3                       | 6   | 10        | 5   | 7           | 6   | 40            | 8   |                                      |         |  |      |                          |         |                          |  |
|  |  | 18                  | 16-20 hrs        | 2                       | 4   | 13        | 7   | 8           | 7   | 42            | 8   |                                      |         |  |      |                          |         |                          |  |
|  |  | 23                  | 21-25 hrs        | 2                       | 4   | 5         | 3   | 4           | 4   | 38            | 7   |                                      |         |  |      |                          |         |                          |  |
|  |  | 28                  | 26-30 hrs        | 1                       | 2   | 3         | 2   | 0           | 0   | 21            | 4   |                                      |         |  |      |                          |         |                          |  |
|  |  | 33                  | More than 30 hrs | 0                       | 0   | 5         | 3   | 2           | 2   | 21            | 4   |                                      |         |  |      |                          |         |                          |  |
|  |  | Total               | 49               | 100                     | 187 | 100       | 113 | 100         | 525 | 100           |     |                                      |         |  |      |                          |         |                          |  |
| Estimated number of hours working for pay  | tmworkhrs  |                     |                  |                         |     |           |     |             |     |               | 5.4 | 7.3                                  | -.19    | 6.6                                    | -.13 | 9.6 **                   | -.39    |                          |  |
|  | (Continuous variable created by NSSE)  |                     |                  |                         |     |           |     |             |     |               |     |                                      |         |  |      |                          |         |                          |  |
| e. Doing community service or volunteer work   | tmservicehrs   | 0                   | 0 hrs            | 26                      | 52  | 91        | 49  | 64          | 55  | 236           | 45  | 3.2                                  | 2.1     | .32                                    | 2.0  | .30                      | 2.8     | .10                      |  |
|  | (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 17                      | 34  | 77        | 42  | 42          | 36  | 220           | 42  |                                      |         |  |      |                          |         |                          |  |
|  |  | 8                   | 6-10 hrs         | 2                       | 4   | 14        | 8   | 7           | 6   | 39            | 8   |                                      |         |  |      |                          |         |                          |  |
|  |  | 13                  | 11-15 hrs        | 1                       | 2   | 2         | 1   | 1           | 1   | 10            | 2   |                                      |         |  |      |                          |         |                          |  |
|  |  | 18                  | 16-20 hrs        | 2                       | 4   | 1         | 1   | 2           | 2   | 5             | 1   |                                      |         |  |      |                          |         |                          |  |
|  |  | 23                  | 21-25 hrs        | 2                       | 4   | 0         | 0   | 0           | 0   | 5             | 1   |                                      |         |  |      |                          |         |                          |  |
|  |  | 28                  | 26-30 hrs        | 0                       | 0   | 0         | 0   | 0           | 0   | 0             | 0   |                                      |         |  |      |                          |         |                          |  |
|  |  | 33                  | More than 30 hrs | 0                       | 0   | 0         | 0   | 0           | 0   | 4             | 1   |                                      |         |  |      |                          |         |                          |  |
|  |  | Total               | 50               | 100                     | 185 | 100       | 116 | 100         | 519 | 100           |     |                                      |         |  |      |                          |         |                          |  |
| f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.) | tmrelaxhrs   | 0                   | 0 hrs            | 0                       | 0   | 2         | 1   | 0           | 0   | 8             | 2   | 15.1                                 | 11.1 ** | .56                                    | 12.7 | .29                      | 11.7 ** | .43                      |  |
|  | (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)   | 3                   | 1-5 hrs          | 4                       | 8   | 38        | 20  | 20          | 17  | 108           | 21  |                                      |         |  |      |                          |         |                          |  |
|  |  | 8                   | 6-10 hrs         | 15                      | 30  | 60        | 32  | 33          | 28  | 160           | 31  |                                      |         |  |      |                          |         |                          |  |
|  |  | 13                  | 11-15 hrs        | 9                       | 18  | 52        | 28  | 31          | 27  | 112           | 21  |                                      |         |  |      |                          |         |                          |  |
|  |  | 18                  | 16-20 hrs        | 9                       | 18  | 18        | 10  | 12          | 10  | 62            | 12  |                                      |         |  |      |                          |         |                          |  |
|  |  | 23                  | 21-25 hrs        | 7                       | 14  | 9         | 5   | 10          | 9   | 36            | 7   |                                      |         |  |      |                          |         |                          |  |
|  |  | 28                  | 26-30 hrs        | 3                       | 6   | 4         | 2   | 5           | 4   | 16            | 3   |                                      |         |  |      |                          |         |                          |  |
|  |  | 33                  | More than 30 hrs | 3                       | 6   | 5         | 3   | 5           | 4   | 20            | 4   |                                      |         |  |      |                          |         |                          |  |
|  |  | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 522 | 100           |     |                                      |         |  |      |                          |         |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |  |      |                          |      |                          |
|--|--|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|--|------|--------------------------|------|--------------------------|
|  |  |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | Your first-year students compared with |      |                          |      |                          |
| Item wording or description  | Variable name <sup>i</sup>   | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect size <sup>n</sup>               | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |
| g. Providing care for dependents (children, parents, etc.)   | tmcarehrs  | 0                   | 0 hrs            | 40                      | 80  | 168       | 89  | 92          | 80  | 391           | 75  | 1.9                                  | .6   | .40                                    | 1.6  | .05                      | 2.3  | -.07                     |
|  | (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)    | 3                   | 1-5 hrs          | 6                       | 12  | 12        | 6   | 11          | 10  | 68            | 13  |                                      |      |  |      |                          |      |                          |
|  | 8  | 6-10 hrs            | 1                | 2                       | 7   | 4         | 6   | 5           | 27  | 5             |     |                                      |      |  |      |                          |      |                          |
|  | 13   | 11-15 hrs           | 1                | 2                       | 0   | 0         | 3   | 3           | 10  | 2             |     |                                      |      |  |      |                          |      |                          |
|  | 18   | 16-20 hrs           | 0                | 0                       | 1   | 1         | 2   | 2           | 4   | 1             |     |                                      |      |  |      |                          |      |                          |
|  | 23   | 21-25 hrs           | 1                | 2                       | 0   | 0         | 0   | 0           | 4   | 1             |     |                                      |      |  |      |                          |      |                          |
|  | 28   | 26-30 hrs           | 0                | 0                       | 0   | 0         | 0   | 0           | 5   | 1             |     |                                      |      |  |      |                          |      |                          |
|  | 33   | More than 30 hrs    | 1                | 2                       | 0   | 0         | 1   | 1           | 11  | 2             |     |                                      |      |  |      |                          |      |                          |
|  | Total  |                     | 50               | 100                     | 188 | 100       | 115 | 100         | 520 | 100           |     |                                      |      |  |      |                          |      |                          |
| h. Commuting to campus (driving, walking, etc.)  | tmcommutehrs   | 0                   | 0 hrs            | 26                      | 53  | 81        | 43  | 41          | 36  | 187           | 36  | 2.6                                  | 2.6  | .01                                    | 3.0  | -.09                     | 3.4  | -.17                     |
|  | (Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 19                      | 39  | 93        | 49  | 56          | 49  | 242           | 46  |                                      |      |  |      |                          |      |                          |
|  | 8  | 6-10 hrs            | 2                | 4                       | 9   | 5         | 10  | 9           | 67  | 13            |     |                                      |      |  |      |                          |      |                          |
|  | 13   | 11-15 hrs           | 0                | 0                       | 3   | 2         | 6   | 5           | 15  | 3             |     |                                      |      |  |      |                          |      |                          |
|  | 18   | 16-20 hrs           | 0                | 0                       | 0   | 0         | 1   | 1           | 4   | 1             |     |                                      |      |  |      |                          |      |                          |
|  | 23   | 21-25 hrs           | 1                | 2                       | 0   | 0         | 0   | 0           | 7   | 1             |     |                                      |      |  |      |                          |      |                          |
|  | 28   | 26-30 hrs           | 0                | 0                       | 0   | 0         | 0   | 0           | 2   | 0             |     |                                      |      |  |      |                          |      |                          |
|  | 33   | More than 30 hrs    | 1                | 2                       | 3   | 2         | 0   | 0           | 2   | 0             |     |                                      |      |  |      |                          |      |                          |
|  | Total  |                     | 49               | 100                     | 189 | 100       | 114 | 100         | 526 | 100           |     |                                      |      |  |      |                          |      |                          |
| 16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?  |  |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |
| reading  | 1  | Very little         | 1                | 2                       | 12  | 6         | 6   | 5           | 55  | 11            | 3.0 | 3.0                                  | .00  | 3.1                                    | -.08 | 2.8                      | .24  |                          |
| (Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)   | 2  | Some                | 15               | 30                      | 51  | 27        | 32  | 28          | 167 | 32            |     |                                      |      |  |      |                          |      |                          |
| 3  | About half   | 19                  | 38               | 63                      | 34  | 36        | 31  | 172         | 33  |               |     |                                      |      |  |      |                          |      |                          |
| 4  | Most   | 13                  | 26               | 49                      | 26  | 30        | 26  | 105         | 20  |               |     |                                      |      |  |      |                          |      |                          |
| 5  | Almost all   | 2                   | 4                | 13                      | 7   | 12        | 10  | 23          | 4   |               |     |                                      |      |  |      |                          |      |                          |
|  | Total  |                     | 50               | 100                     | 188 | 100       | 116 | 100         | 522 | 100           | 8.5 | 6.3 *                                | .41  | 7.1                                    | .24  | 5.9 ***                  | .52  |                          |
| tmreadinghrs   |  |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |
| (Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90) |  |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                          |      |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education  |  |                     |                             | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup>   |           |                          |               |                          |        |                          |
|--|--|---------------------|-----------------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--|-----------|--------------------------|---------------|--------------------------|--------|--------------------------|
|  |  |                     |                             | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your first-year students compared with |           |                          |               |                          |        |                          |
|  |  |                     |                             |                         |     |           |     |             |     |               |    | UMD                                    | UMD Peers | Competitors              | NSSE Carnegie |                          |        |                          |
| Item wording or description  | Variable name <sup>i</sup>                           | Values <sup>m</sup> | Response options            | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                   | Mean      | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean   | Effect size <sup>n</sup> |
|  | tmreadinghrscol                                      | 1                   | 0 hrs                       | 0                       | 0   | 0         | 0   | 0           | 0   | 1             | 0  |  |           |                          |               |                          |        |                          |
|  | (Collapsed version of tmreadinghrs created by NSSE.) | 2                   | More than zero, up to 5 hrs | 15                      | 30  | 87        | 47  | 54          | 47  | 278           | 53 |  |           |                          |               |                          |        |                          |
|  |  | 3                   | More than 5, up to 10 hrs   | 23                      | 46  | 72        | 39  | 34          | 29  | 168           | 32 |  |           |                          |               |                          |        |                          |
|  |  | 4                   | More than 10, up to 15 hrs  | 6                       | 12  | 17        | 9   | 14          | 12  | 47            | 9  |  |           |                          |               |                          |        |                          |
|  |  | 5                   | More than 15, up to 20 hrs  | 3                       | 6   | 5         | 3   | 9           | 8   | 15            | 3  |  |           |                          |               |                          |        |                          |
|  |  | 6                   | More than 20, up to 25 hrs  | 2                       | 4   | 5         | 3   | 4           | 3   | 10            | 2  |  |           |                          |               |                          |        |                          |
|  |  | 7                   | More than 25 hrs            | 1                       | 2   | 1         | 1   | 1           | 1   | 2             | 0  |  |           |                          |               |                          |        |                          |
|  |  | Total               | 50                          | 100                     | 187 | 100       | 116 | 100         | 521 | 100           |    |  |           |                          |               |                          |        |                          |
| 17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas? |  |                     |                             |                         |     |           |     |             |     |               |    |  |           |                          |               |                          |        |                          |
| a. Writing clearly and effectively   | pgwrite  | 1                   | Very little                 | 2                       | 4   | 17        | 9   | 6           | 5   | 28            | 5  | 2.6                                    | 2.8       | -.25                     | 2.9 *         | -.37                     | 2.9 *  | -.33                     |
|  |  | 2                   | Some                        | 20                      | 40  | 40        | 21  | 28          | 24  | 138           | 26 |  |           |                          |               |                          |        |                          |
|  |  | 3                   | Quite a bit                 | 24                      | 48  | 92        | 49  | 54          | 47  | 227           | 43 |  |           |                          |               |                          |        |                          |
|  |  | 4                   | Very much                   | 4                       | 8   | 38        | 20  | 28          | 24  | 130           | 25 |  |           |                          |               |                          |        |                          |
|  |  | Total               | 50                          | 100                     | 187 | 100       | 116 | 100         | 523 | 100           |    |  |           |                          |               |                          |        |                          |
| b. Speaking clearly and effectively  | pgspeak  | 1                   | Very little                 | 2                       | 4   | 12        | 6   | 7           | 6   | 28            | 5  | 2.4                                    | 2.8 **    | -.46                     | 2.9 ***       | -.57                     | 2.8 ** | -.48                     |
|  |  | 2                   | Some                        | 27                      | 54  | 52        | 28  | 31          | 27  | 149           | 28 |  |           |                          |               |                          |        |                          |
|  |  | 3                   | Quite a bit                 | 18                      | 36  | 82        | 44  | 42          | 36  | 224           | 43 |  |           |                          |               |                          |        |                          |
|  |  | 4                   | Very much                   | 3                       | 6   | 41        | 22  | 36          | 31  | 122           | 23 |  |           |                          |               |                          |        |                          |
|  |  | Total               | 50                          | 100                     | 187 | 100       | 116 | 100         | 523 | 100           |    |  |           |                          |               |                          |        |                          |
| c. Thinking critically and analytically  | pgthink  | 1                   | Very little                 | 0                       | 0   | 6         | 3   | 0           | 0   | 12            | 2  | 3.0                                    | 3.0       | -.02                     | 3.0           | -.02                     | 3.0    | -.01                     |
|  |  | 2                   | Some                        | 6                       | 12  | 32        | 17  | 30          | 26  | 105           | 20 |  |           |                          |               |                          |        |                          |
|  |  | 3                   | Quite a bit                 | 37                      | 74  | 100       | 53  | 52          | 45  | 261           | 50 |  |           |                          |               |                          |        |                          |
|  |  | 4                   | Very much                   | 7                       | 14  | 50        | 27  | 34          | 29  | 145           | 28 |  |           |                          |               |                          |        |                          |
|  |  | Total               | 50                          | 100                     | 188 | 100       | 116 | 100         | 523 | 100           |    |  |           |                          |               |                          |        |                          |
| d. Analyzing numerical and statistical information   | pganalyze  | 1                   | Very little                 | 13                      | 26  | 26        | 14  | 15          | 13  | 75            | 14 | 2.2                                    | 2.5       | -.30                     | 2.5           | -.26                     | 2.5 *  | -.31                     |
|  |  | 2                   | Some                        | 16                      | 32  | 64        | 34  | 44          | 39  | 178           | 34 |  |           |                          |               |                          |        |                          |
|  |  | 3                   | Quite a bit                 | 17                      | 34  | 73        | 39  | 39          | 35  | 190           | 36 |  |           |                          |               |                          |        |                          |
|  |  | 4                   | Very much                   | 4                       | 8   | 24        | 13  | 15          | 13  | 79            | 15 |  |           |                          |               |                          |        |                          |
|  |  | Total               | 50                          | 100                     | 187 | 100       | 113 | 100         | 522 | 100           |    |  |           |                          |               |                          |        |                          |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup>   |           |                          |               |                          |                          |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--|-----------|--------------------------|---------------|--------------------------|--------------------------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your first-year students compared with |           |                          |               |                          |                          |                          |
|   |                            |                     |                  |                         |     |           |     |             |     |               |    | UMD                                    | UMD Peers | Competitors              | NSSE Carnegie | Effect size <sup>n</sup> | Effect size <sup>n</sup> | Effect size <sup>n</sup> |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                   | Mean      | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean                     | Effect size <sup>n</sup> |
| e. Acquiring job- or work-related knowledge and skills  | pgwork                     | 1                   | Very little      | 3                       | 6   | 16        | 9   | 13          | 11  | 45            | 9  | 2.8                                    | 2.7       | .10                      | 2.6           | .19                      | 2.7                      | .08                      |
|   |                            | 2                   | Some             | 16                      | 33  | 62        | 33  | 40          | 34  | 164           | 31 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 17                      | 35  | 66        | 35  | 39          | 34  | 196           | 37 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 13                      | 27  | 43        | 23  | 24          | 21  | 120           | 23 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 49               | 100                     | 187 | 100       | 116 | 100         | 525 | 100           |    |  |           |                          |               |                          |                          |                          |
| f. Working effectively with others  | pgothers                   | 1                   | Very little      | 0                       | 0   | 6         | 3   | 5           | 4   | 20            | 4  | 3.1                                    | 3.0       | .07                      | 2.9           | .19                      | 3.0                      | .14                      |
|   |                            | 2                   | Some             | 10                      | 20  | 40        | 22  | 29          | 25  | 119           | 23 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 52  | 82        | 44  | 49          | 43  | 236           | 46 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 14                      | 28  | 57        | 31  | 31          | 27  | 143           | 28 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 50               | 100                     | 185 | 100       | 114 | 100         | 518 | 100           |    |  |           |                          |               |                          |                          |                          |
| g. Developing or clarifying a personal code of values and ethics  | pgvalues                   | 1                   | Very little      | 3                       | 6   | 15        | 8   | 15          | 13  | 49            | 9  | 2.7                                    | 2.8       | -.11                     | 2.7           | -.06                     | 2.7                      | -.07                     |
|   |                            | 2                   | Some             | 16                      | 32  | 57        | 30  | 30          | 26  | 160           | 31 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 52  | 75        | 40  | 44          | 38  | 204           | 39 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 5                       | 10  | 41        | 22  | 27          | 23  | 111           | 21 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 50               | 100                     | 188 | 100       | 116 | 100         | 524 | 100           |    |  |           |                          |               |                          |                          |                          |
| h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.) | pgdiverse                  | 1                   | Very little      | 2                       | 4   | 9         | 5   | 10          | 9   | 31            | 6  | 2.7                                    | 2.8       | -.12                     | 2.7           | -.01                     | 2.9                      | -.17                     |
|   |                            | 2                   | Some             | 17                      | 35  | 57        | 30  | 36          | 31  | 145           | 28 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 23                      | 47  | 82        | 44  | 45          | 39  | 215           | 41 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 7                       | 14  | 39        | 21  | 24          | 21  | 132           | 25 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 49               | 100                     | 187 | 100       | 115 | 100         | 523 | 100           |    |  |           |                          |               |                          |                          |                          |
| i. Solving complex real-world problems  | pgprobsolve                | 1                   | Very little      | 5                       | 10  | 12        | 6   | 8           | 7   | 45            | 9  | 2.5                                    | 2.7       | -.23                     | 2.7           | -.23                     | 2.6                      | -.19                     |
|   |                            | 2                   | Some             | 20                      | 41  | 73        | 39  | 42          | 37  | 195           | 37 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 20                      | 41  | 70        | 37  | 46          | 40  | 187           | 36 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 4                       | 8   | 33        | 18  | 19          | 17  | 96            | 18 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 49               | 100                     | 188 | 100       | 115 | 100         | 523 | 100           |    |  |           |                          |               |                          |                          |                          |
| j. Being an informed and active citizen   | pgcitizen                  | 1                   | Very little      | 6                       | 12  | 14        | 8   | 16          | 14  | 53            | 10 | 2.4                                    | 2.7       | -.27                     | 2.6           | -.19                     | 2.7                      | -.27                     |
|   |                            | 2                   | Some             | 22                      | 44  | 71        | 38  | 35          | 30  | 168           | 32 |  |           |                          |               |                          |                          |                          |
|   |                            | 3                   | Quite a bit      | 17                      | 34  | 67        | 36  | 45          | 39  | 202           | 39 |  |           |                          |               |                          |                          |                          |
|   |                            | 4                   | Very much        | 5                       | 10  | 34        | 18  | 20          | 17  | 96            | 18 |  |           |                          |               |                          |                          |                          |
|   |                            | Total               | 50               | 100                     | 186 | 100       | 116 | 100         | 519 | 100           |    |  |           |                          |               |                          |                          |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### First-Year Students<sup>a</sup> in Education

| First-Year Students <sup>a</sup> in Education   |                               |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |  |      |                             |       |                             |
|---|-------------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|--|------|-----------------------------|-------|-----------------------------|
| Item wording<br>or description  | Variable<br>name <sup>l</sup> | Values <sup>m</sup> | Response options | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | Your first-year students compared with |      |                             |       |                             |
|   |                               |                     |                  | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect<br>size <sup>n</sup>            | Mean | Effect<br>size <sup>n</sup> | Mean  | Effect<br>size <sup>n</sup> |
|   |                               |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                             |       |                             |
| 18. How would you evaluate your entire educational experience at this institution?                    |                               |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                             |       |                             |
|   | evalexp                       | 1                   | Poor             | 0                       | 0   | 2         | 1   | 2           | 2   | 7             | 1   | 3.2                                  | 3.3  | -.25                                   | 3.2  | -.11                        | 3.3 * | ▽                           |
|   |                               | 2                   | Fair             | 4                       | 8   | 15        | 8   | 11          | 9   | 42            | 8   |                                      |      |  |      |                             |       |                             |
|   |                               | 3                   | Good             | 34                      | 68  | 92        | 49  | 61          | 53  | 245           | 47  |                                      |      |  |      |                             |       |                             |
|   |                               | 4                   | Excellent        | 12                      | 24  | 79        | 42  | 42          | 36  | 231           | 44  |                                      |      |  |      |                             |       |                             |
|   |                               | Total               |                  | 50                      | 100 | 188       | 100 | 116         | 100 | 525           | 100 |                                      |      |  |      |                             |       |                             |
| 19. If you could start over again, would you go to the <i>same institution</i> you are now attending? |                               |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |  |      |                             |       |                             |
|   | sameinst                      | 1                   | Definitely no    | 2                       | 4   | 8         | 4   | 4           | 3   | 15            | 3   | 3.3                                  | 3.4  | -.14                                   | 3.3  | -.02                        | 3.4   | -.20                        |
|   |                               | 2                   | Probably no      | 2                       | 4   | 16        | 9   | 12          | 10  | 47            | 9   |                                      |      |  |      |                             |       |                             |
|   |                               | 3                   | Probably yes     | 26                      | 52  | 58        | 31  | 45          | 39  | 158           | 30  |                                      |      |  |      |                             |       |                             |
|   |                               | 4                   | Definitely yes   | 20                      | 40  | 106       | 56  | 54          | 47  | 305           | 58  |                                      |      |  |      |                             |       |                             |
|   |                               | Total               |                  | 50                      | 100 | 188       | 100 | 115         | 100 | 525           | 100 |                                      |      |  |      |                             |       |                             |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |   |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |                            |      |                          |      |                          |  |
|---|---|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|----------------------------|------|--------------------------|------|--------------------------|--|
|   |   |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | Your seniors compared with |      |                          |      |                          |  |
|   |   | UMD Peers           |                  |                         |     |           |     |             |     |               |    |                                      |      | Competitors                |      | NSSE Carnegie            |      |                          |  |
| Item wording or description   | Variable name <sup>l</sup>  | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |  |
| 1. During the current school year, about how often have you done the following? |   |                     |                  |                         |     |           |     |             |     |               |    |                                      |      |                            |      |                          |      |                          |  |
| a. Asked questions or contributed to course discussions in other ways           | askquest  | 1                   | Never            | 0                       | 0   | 3         | 1   | 4           | 2   | 10            | 1  | 3.3                                  | 3.3  | -.05                       | 3.4  | -.20                     | 3.4  | -.15                     |  |
|   |   | 2                   | Sometimes        | 10                      | 17  | 51        | 17  | 23          | 12  | 109           | 13 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Often            | 23                      | 40  | 95        | 32  | 57          | 29  | 280           | 34 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Very often       | 25                      | 43  | 145       | 49  | 111         | 57  | 436           | 52 |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 58               | 100                     | 294 | 100       | 195 | 100         | 835 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| b. Prepared two or more drafts of a paper or assignment before turning it in    | drafts  | 1                   | Never            | 15                      | 26  | 56        | 19  | 34          | 18  | 165           | 20 | 2.4                                  | 2.4  | .03                        | 2.4  | .05                      | 2.4  | -.03                     |  |
|   |   | 2                   | Sometimes        | 17                      | 29  | 120       | 41  | 78          | 41  | 303           | 36 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Often            | 13                      | 22  | 66        | 22  | 52          | 27  | 192           | 23 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Very often       | 13                      | 22  | 52        | 18  | 26          | 14  | 171           | 21 |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 58               | 100                     | 294 | 100       | 190 | 100         | 831 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| c. Come to class without completing readings or assignments                     | unpreparedr<br><br>(Reverse-coded version of unprepared created by NSSE.) | 1                   | Very often       | 1                       | 2   | 11        | 4   | 10          | 5   | 37            | 4  | 3.2                                  | 3.0  | .25                        | 3.1  | .15                      | 3.1  | .12                      |  |
|   |   | 2                   | Often            | 8                       | 14  | 42        | 14  | 18          | 9   | 82            | 10 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Sometimes        | 27                      | 47  | 173       | 59  | 111         | 58  | 470           | 57 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Never            | 21                      | 37  | 67        | 23  | 54          | 28  | 242           | 29 |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 57               | 100                     | 293 | 100       | 193 | 100         | 831 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| d. Attended an art exhibit, play or other arts performance (dance, music, etc.) | attendart   | 1                   | Never            | 25                      | 43  | 106       | 36  | 88          | 46  | 356           | 43 | 1.7                                  | 1.9  | -.23                       | 1.8  | -.12                     | 1.8  | -.12                     |  |
|   |   | 2                   | Sometimes        | 25                      | 43  | 125       | 43  | 70          | 36  | 334           | 40 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Often            | 8                       | 14  | 45        | 15  | 19          | 10  | 85            | 10 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Very often       | 0                       | 0   | 15        | 5   | 16          | 8   | 55            | 7  |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 58               | 100                     | 291 | 100       | 193 | 100         | 830 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| e. Asked another student to help you understand course material                 | CLaskhelp   | 1                   | Never            | 2                       | 3   | 16        | 5   | 8           | 4   | 63            | 8  | 2.8                                  | 2.7  | .11                        | 2.8  | .07                      | 2.7  | .20                      |  |
|   |   | 2                   | Sometimes        | 21                      | 36  | 109       | 37  | 67          | 34  | 313           | 38 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Often            | 19                      | 33  | 102       | 35  | 79          | 41  | 297           | 36 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Very often       | 16                      | 28  | 67        | 23  | 41          | 21  | 161           | 19 |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 58               | 100                     | 294 | 100       | 195 | 100         | 834 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| f. Explained course material to one or more students                            | CLexplain   | 1                   | Never            | 0                       | 0   | 5         | 2   | 1           | 1   | 24            | 3  | 3.0                                  | 3.0  | -.04                       | 3.0  | -.10                     | 3.0  | .01                      |  |
|   |   | 2                   | Sometimes        | 17                      | 29  | 77        | 26  | 46          | 24  | 216           | 26 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 3                   | Often            | 26                      | 45  | 125       | 43  | 92          | 47  | 361           | 43 |                                      |      |                            |      |                          |      |                          |  |
|   |   | 4                   | Very often       | 15                      | 26  | 85        | 29  | 55          | 28  | 229           | 28 |                                      |      |                            |      |                          |      |                          |  |
|   |   | Total               | 58               | 100                     | 292 | 100       | 194 | 100         | 830 | 100           |    |                                      |      |                            |      |                          |      |                          |  |

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## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |           |                          |               |                          |       |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|-----------|--------------------------|---------------|--------------------------|-------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your seniors compared with           |           |                          |               |                          |       |                          |
|   |                            |                     |                  |                         |     |           |     |             |     |               |    | UMD                                  | UMD Peers | Competitors              | NSSE Carnegie |                          |       |                          |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean      | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |
| g. Prepared for exams by discussing or working through course material with other students                                | CLstudy                    | 1                   | Never            | 6                       | 10  | 36        | 12  | 19          | 10  | 117           | 14 | 2.6                                  | 2.7       | -.07                     | 2.6           | .01                      | 2.6   | -.01                     |
|   |                            | 2                   | Sometimes        | 21                      | 36  | 91        | 31  | 76          | 39  | 274           | 33 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 21                      | 36  | 100       | 34  | 63          | 32  | 257           | 31 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 10                      | 17  | 67        | 23  | 36          | 19  | 184           | 22 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 194 | 100         | 832 | 100           |    |                                      |           |                          |               |                          |       |                          |
| h. Worked with other students on course projects or assignments   | CLproject                  | 1                   | Never            | 1                       | 2   | 5         | 2   | 2           | 1   | 34            | 4  | 3.2                                  | 3.2       | .09                      | 3.1           | .18                      | 3.0 * | .29                      |
|   |                            | 2                   | Sometimes        | 9                       | 16  | 50        | 17  | 51          | 26  | 205           | 25 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 23                      | 40  | 128       | 44  | 67          | 35  | 323           | 39 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 25                      | 43  | 110       | 38  | 73          | 38  | 268           | 32 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 58               | 100                     | 293 | 100       | 193 | 100         | 830 | 100           |    |                                      |           |                          |               |                          |       |                          |
| i. Given a course presentation  | present                    | 1                   | Never            | 4                       | 7   | 9         | 3   | 2           | 1   | 42            | 5  | 3.2                                  | 3.0       | .19                      | 3.1           | .14                      | 3.0   | .23                      |
|   |                            | 2                   | Sometimes        | 8                       | 14  | 73        | 25  | 54          | 28  | 201           | 24 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 19                      | 33  | 113       | 38  | 68          | 35  | 316           | 38 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 27                      | 47  | 99        | 34  | 71          | 36  | 273           | 33 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 195 | 100         | 832 | 100           |    |                                      |           |                          |               |                          |       |                          |
| 2. During the current school year, about how often have you done the following?   |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |           |                          |               |                          |       |                          |
| a. Combined ideas from different courses when completing assignments  | RIintegrate                | 1                   | Never            | 0                       | 0   | 5         | 2   | 2           | 1   | 15            | 2  | 3.3                                  | 3.1 *     | .33                      | 3.1           | .27                      | 3.1 * | .31                      |
|   |                            | 2                   | Sometimes        | 6                       | 10  | 68        | 23  | 41          | 21  | 192           | 23 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 27                      | 47  | 123       | 42  | 82          | 42  | 336           | 40 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 25                      | 43  | 100       | 34  | 70          | 36  | 289           | 35 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 58               | 100                     | 296 | 100       | 195 | 100         | 832 | 100           |    |                                      |           |                          |               |                          |       |                          |
| b. Connected your learning to societal problems or issues   | RIsocietal                 | 1                   | Never            | 3                       | 5   | 9         | 3   | 2           | 1   | 30            | 4  | 3.0                                  | 3.0       | -.01                     | 3.0           | -.03                     | 2.9   | .06                      |
|   |                            | 2                   | Sometimes        | 9                       | 16  | 74        | 25  | 51          | 26  | 227           | 27 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 31                      | 53  | 117       | 40  | 81          | 42  | 332           | 40 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 15                      | 26  | 94        | 32  | 59          | 31  | 243           | 29 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 193 | 100         | 832 | 100           |    |                                      |           |                          |               |                          |       |                          |
| c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments | RIdiverse                  | 1                   | Never            | 3                       | 5   | 9         | 3   | 7           | 4   | 27            | 3  | 3.1                                  | 2.9       | .18                      | 2.9           | .14                      | 2.9   | .16                      |
|   |                            | 2                   | Sometimes        | 12                      | 21  | 90        | 30  | 57          | 29  | 249           | 30 |                                      |           |                          |               |                          |       |                          |
|   |                            | 3                   | Often            | 21                      | 37  | 119       | 40  | 73          | 37  | 325           | 39 |                                      |           |                          |               |                          |       |                          |
|   |                            | 4                   | Very often       | 21                      | 37  | 78        | 26  | 58          | 30  | 232           | 28 |                                      |           |                          |               |                          |       |                          |
|   |                            | Total               | 57               | 100                     | 296 | 100       | 195 | 100         | 833 | 100           |    |                                      |           |                          |               |                          |       |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |             |                          |             |                          |             |                          |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|-------------|--------------------------|-------------|--------------------------|-------------|--------------------------|
|  |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | Your seniors compared with           |             |                          |             |                          |             |                          |
|  |                            |                     |                  |                         |     |           |     |             |     |               |    | UMD                                  |             | UMD Peers                |             | Competitors              |             | NSSE Carnegie            |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean        | Effect size <sup>n</sup> | Mean        | Effect size <sup>n</sup> | Mean        | Effect size <sup>n</sup> |
| d. Examined the strengths and weaknesses of your own views on a topic or issue                                 | RIownview                  | 1                   | Never            | 3                       | 5   | 5         | 2   | 4           | 2   | 25            | 3  | 2.8                                  | 2.9         | -.11                     | 2.9         | -.10                     | 2.9         | -.09                     |
|  |                            | 2                   | Sometimes        | 18                      | 32  | 89        | 30  | 63          | 32  | 237           | 29 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 21                      | 37  | 123       | 42  | 72          | 37  | 352           | 42 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 15                      | 26  | 79        | 27  | 56          | 29  | 217           | 26 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 57               | 100                     | 296 | 100       | 195 | 100         | 831 | 100           |    |                                      |             |                          |             |                          |             |                          |
| e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective | RIperspect                 | 1                   | Never            | 0                       | 0   | 3         | 1   | 1           | 1   | 17            | 2  | 3.0                                  | 3.0         | .06                      | 3.1         | -.13                     | 3.0         | .09                      |
|  |                            | 2                   | Sometimes        | 15                      | 26  | 82        | 28  | 43          | 22  | 227           | 27 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 25                      | 44  | 127       | 43  | 79          | 41  | 359           | 43 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 17                      | 30  | 84        | 28  | 71          | 37  | 228           | 27 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 57               | 100                     | 296 | 100       | 194 | 100         | 831 | 100           |    |                                      |             |                          |             |                          |             |                          |
| f. Learned something that changed the way you understand an issue or concept                                   | RInewview                  | 1                   | Never            | 2                       | 4   | 2         | 1   | 0           | 0   | 13            | 2  | 3.1                                  | 3.0         | .10                      | 3.0         | .15                      | 3.0         | .17                      |
|  |                            | 2                   | Sometimes        | 10                      | 18  | 80        | 27  | 60          | 31  | 240           | 29 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 25                      | 44  | 118       | 40  | 75          | 39  | 332           | 40 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 20                      | 35  | 92        | 32  | 58          | 30  | 243           | 29 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 57               | 100                     | 292 | 100       | 193 | 100         | 828 | 100           |    |                                      |             |                          |             |                          |             |                          |
| g. Connected ideas from your courses to your prior experiences and knowledge                                   | RIconnect                  | 1                   | Never            | 0                       | 0   | 0         | 0   | 0           | 0   | 4             | 0  | 3.6                                  | 3.4 **<br>▲ | .35                      | 3.3 **<br>▲ | .42                      | 3.3 **<br>▲ | .37                      |
|  |                            | 2                   | Sometimes        | 1                       | 2   | 37        | 13  | 23          | 12  | 96            | 12 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 21                      | 37  | 114       | 39  | 85          | 44  | 341           | 41 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 35                      | 61  | 143       | 49  | 86          | 44  | 388           | 47 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 57               | 100                     | 294 | 100       | 194 | 100         | 829 | 100           |    |                                      |             |                          |             |                          |             |                          |
| 3. During the current school year, about how often have you done the following?                                |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |             |                          |             |                          |             |                          |
| a. Talked about career plans with a faculty member   | SFcareer                   | 1                   | Never            | 9                       | 16  | 39        | 13  | 22          | 11  | 99            | 12 | 2.6                                  | 2.6         | -.02                     | 2.5         | .07                      | 2.7         | -.05                     |
|  |                            | 2                   | Sometimes        | 18                      | 31  | 98        | 34  | 79          | 41  | 291           | 35 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 18                      | 31  | 90        | 31  | 57          | 30  | 229           | 28 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 13                      | 22  | 65        | 22  | 34          | 18  | 205           | 25 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 58               | 100                     | 292 | 100       | 192 | 100         | 824 | 100           |    |                                      |             |                          |             |                          |             |                          |
| b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)         | SFotherwork                | 1                   | Never            | 26                      | 45  | 118       | 40  | 77          | 40  | 334           | 41 | 1.9                                  | 1.9         | -.03                     | 2.0         | -.04                     | 2.0         | -.05                     |
|  |                            | 2                   | Sometimes        | 18                      | 31  | 102       | 35  | 65          | 34  | 279           | 34 |                                      |             |                          |             |                          |             |                          |
|  |                            | 3                   | Often            | 7                       | 12  | 44        | 15  | 30          | 16  | 114           | 14 |                                      |             |                          |             |                          |             |                          |
|  |                            | 4                   | Very often       | 7                       | 12  | 28        | 10  | 19          | 10  | 95            | 12 |                                      |             |                          |             |                          |             |                          |
|  |                            | Total               | 58               | 100                     | 292 | 100       | 191 | 100         | 822 | 100           |    |                                      |             |                          |             |                          |             |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |                            |                          |               |                          |        |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|----------------------------|--------------------------|---------------|--------------------------|--------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  | Your seniors compared with |                          |               |                          |        |                          |
|   |                            | UMD Peers           |                  |                         |     |           |     |             |     |               |    |                                      | Competitors                |                          | NSSE Carnegie |                          |        |                          |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean                       | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean   | Effect size <sup>n</sup> |
| c. Discussed course topics, ideas, or concepts with a faculty member outside of class     | SFdiscuss                  | 1                   | Never            | 12                      | 21  | 62        | 21  | 38          | 20  | 173           | 21 | 2.4                                  | 2.3                        | .12                      | 2.3           | .14                      | 2.3    | .13                      |
|   |                            | 2                   | Sometimes        | 22                      | 38  | 124       | 42  | 88          | 46  | 357           | 43 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Often            | 12                      | 21  | 63        | 22  | 38          | 20  | 175           | 21 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very often       | 12                      | 21  | 43        | 15  | 27          | 14  | 118           | 14 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 58               | 100                     | 292 | 100       | 191 | 100         | 823 | 100           |    |                                      |                            |                          |               |                          |        |                          |
| d. Discussed your academic performance with a faculty member                              | SFperform                  | 1                   | Never            | 13                      | 23  | 56        | 19  | 36          | 19  | 153           | 19 | 2.4                                  | 2.3                        | .04                      | 2.3           | .10                      | 2.4    | -.01                     |
|   |                            | 2                   | Sometimes        | 22                      | 39  | 132       | 45  | 92          | 48  | 338           | 41 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Often            | 11                      | 19  | 62        | 21  | 42          | 22  | 214           | 26 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very often       | 11                      | 19  | 43        | 15  | 22          | 11  | 119           | 14 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 57               | 100                     | 293 | 100       | 192 | 100         | 824 | 100           |    |                                      |                            |                          |               |                          |        |                          |
| 4. During the current school year, how much has your coursework emphasized the following? |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |                            |                          |               |                          |        |                          |
| a. Memorizing course material   | memorize                   | 1                   | Very little      | 11                      | 19  | 43        | 15  | 26          | 14  | 97            | 12 | 2.2                                  | 2.4 *                      | -.31                     | 2.5 **        | -.38                     | 2.5 ** | -.37                     |
|   |                            | 2                   | Some             | 30                      | 52  | 118       | 40  | 72          | 38  | 331           | 40 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Quite a bit      | 13                      | 22  | 96        | 32  | 64          | 33  | 296           | 36 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very much        | 4                       | 7   | 39        | 13  | 30          | 16  | 104           | 13 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 58               | 100                     | 296 | 100       | 192 | 100         | 828 | 100           |    |                                      |                            |                          |               |                          |        |                          |
| b. Applying facts, theories, or methods to practical problems or new situations           | HOapply                    | 1                   | Very little      | 1                       | 2   | 3         | 1   | 6           | 3   | 12            | 1  | 3.1                                  | 3.2                        | -.14                     | 3.1           | -.08                     | 3.2    | -.16                     |
|   |                            | 2                   | Some             | 11                      | 19  | 55        | 19  | 28          | 14  | 142           | 17 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Quite a bit      | 29                      | 50  | 125       | 42  | 95          | 49  | 349           | 42 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very much        | 17                      | 29  | 112       | 38  | 65          | 34  | 327           | 39 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 58               | 100                     | 295 | 100       | 194 | 100         | 830 | 100           |    |                                      |                            |                          |               |                          |        |                          |
| c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts    | HOanalyze                  | 1                   | Very little      | 2                       | 3   | 8         | 3   | 7           | 4   | 23            | 3  | 3.1                                  | 3.1                        | -.03                     | 3.1           | .01                      | 3.1    | -.02                     |
|   |                            | 2                   | Some             | 8                       | 14  | 55        | 19  | 39          | 20  | 160           | 19 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Quite a bit      | 31                      | 53  | 127       | 43  | 79          | 41  | 352           | 43 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very much        | 17                      | 29  | 103       | 35  | 68          | 35  | 288           | 35 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 58               | 100                     | 293 | 100       | 193 | 100         | 823 | 100           |    |                                      |                            |                          |               |                          |        |                          |
| d. Evaluating a point of view, decision, or information source                            | HOevaluate                 | 1                   | Very little      | 2                       | 3   | 10        | 3   | 6           | 3   | 28            | 3  | 2.9                                  | 3.1                        | -.22                     | 3.0           | -.11                     | 3.0    | -.18                     |
|   |                            | 2                   | Some             | 16                      | 28  | 51        | 17  | 48          | 25  | 168           | 20 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 45  | 142       | 48  | 80          | 42  | 373           | 45 |                                      |                            |                          |               |                          |        |                          |
|   |                            | 4                   | Very much        | 14                      | 24  | 93        | 31  | 57          | 30  | 256           | 31 |                                      |                            |                          |               |                          |        |                          |
|   |                            | Total               | 58               | 100                     | 296 | 100       | 191 | 100         | 825 | 100           |    |                                      |                            |                          |               |                          |        |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |                            |             |               |      |        |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|----------------------------|-------------|---------------|------|--------|--------------------------|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  | Your seniors compared with |             |               |      |        |                          |
| Item wording or description   | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options |                         |     |           |     |             |     |               |    |                                      | UMD Peers                  | Competitors | NSSE Carnegie | Mean | Mean   | Effect size <sup>n</sup> |
|   |                            |                     |                  | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 |                            |             |               |      |        |                          |
| e. Forming a new idea or understanding from various pieces of information                   | HOform                     | 1                   | Very little      | 3                       | 5   | 11        | 4   | 7           | 4   | 31            | 4  | 3.0                                  | 3.0                        | -.03        | 3.0           | -.06 | 3.0    | -.05                     |
|   |                            | 2                   | Some             | 12                      | 21  | 63        | 22  | 39          | 21  | 174           | 21 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 45  | 131       | 45  | 85          | 45  | 364           | 44 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 17                      | 29  | 88        | 30  | 59          | 31  | 256           | 31 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 58               | 100                     | 293 | 100       | 190 | 100         | 825 | 100           |    |                                      |                            |             |               |      |        |                          |
| 5. During the current school year, to what extent have your instructors done the following? |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |                            |             |               |      |        |                          |
| a. Clearly explained course goals and requirements  | ETgoals                    | 1                   | Very little      | 5                       | 9   | 2         | 1   | 7           | 4   | 19            | 2  | 2.9                                  | 3.0                        | -.20        | 3.1           | -.20 | 3.1    | -.26                     |
|   |                            | 2                   | Some             | 12                      | 21  | 61        | 21  | 34          | 18  | 153           | 18 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 25                      | 43  | 154       | 52  | 92          | 48  | 390           | 47 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 16                      | 28  | 78        | 26  | 60          | 31  | 271           | 33 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 58               | 100                     | 295 | 100       | 193 | 100         | 833 | 100           |    |                                      |                            |             |               |      |        |                          |
| b. Taught course sessions in an organized way   | ETorganize                 | 1                   | Very little      | 5                       | 9   | 6         | 2   | 4           | 2   | 24            | 3  | 2.8                                  | 3.1 *                      | -.33        | 3.0           | -.27 | 3.1 ** | -.39                     |
|   |                            | 2                   | Some             | 14                      | 24  | 48        | 16  | 41          | 21  | 130           | 16 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 26                      | 45  | 165       | 56  | 95          | 49  | 405           | 49 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 13                      | 22  | 77        | 26  | 53          | 27  | 273           | 33 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 58               | 100                     | 296 | 100       | 193 | 100         | 832 | 100           |    |                                      |                            |             |               |      |        |                          |
| c. Used examples or illustrations to explain difficult points                               | ETexample                  | 1                   | Very little      | 3                       | 5   | 5         | 2   | 1           | 1   | 23            | 3  | 2.9                                  | 3.1                        | -.23        | 3.0           | -.12 | 3.1    | -.26                     |
|   |                            | 2                   | Some             | 15                      | 26  | 57        | 19  | 52          | 27  | 139           | 17 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 23                      | 40  | 133       | 45  | 80          | 41  | 372           | 45 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 17                      | 29  | 101       | 34  | 60          | 31  | 298           | 36 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 58               | 100                     | 296 | 100       | 193 | 100         | 832 | 100           |    |                                      |                            |             |               |      |        |                          |
| d. Provided feedback on a draft or work in progress   | ETdraftfb                  | 1                   | Very little      | 4                       | 7   | 23        | 8   | 19          | 10  | 65            | 8  | 2.7                                  | 2.8                        | -.09        | 2.8           | -.06 | 2.9    | -.20                     |
|   |                            | 2                   | Some             | 20                      | 35  | 91        | 31  | 57          | 29  | 213           | 26 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 21                      | 37  | 100       | 34  | 67          | 35  | 289           | 35 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 12                      | 21  | 78        | 27  | 51          | 26  | 262           | 32 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 57               | 100                     | 292 | 100       | 194 | 100         | 829 | 100           |    |                                      |                            |             |               |      |        |                          |
| e. Provided prompt and detailed feedback on tests or completed assignments                  | ETfeedback                 | 1                   | Very little      | 7                       | 12  | 24        | 8   | 17          | 9   | 56            | 7  | 2.7                                  | 2.8                        | -.12        | 2.8           | -.08 | 2.9    | -.24                     |
|   |                            | 2                   | Some             | 17                      | 29  | 80        | 27  | 55          | 28  | 204           | 25 |                                      |                            |             |               |      |        |                          |
|   |                            | 3                   | Quite a bit      | 21                      | 36  | 120       | 41  | 77          | 40  | 329           | 40 |                                      |                            |             |               |      |        |                          |
|   |                            | 4                   | Very much        | 13                      | 22  | 69        | 24  | 44          | 23  | 240           | 29 |                                      |                            |             |               |      |        |                          |
|   |                            | Total               | 58               | 100                     | 293 | 100       | 193 | 100         | 829 | 100           |    |                                      |                            |             |               |      |        |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |           |       |             |       |               |       |     | Statistical Comparisons <sup>k</sup> |       |                          |      |                          |       |                          |
|--|--|---------------------|------------------|-------------------------|-----------|-------|-------------|-------|---------------|-------|-----|--------------------------------------|-------|--------------------------|------|--------------------------|-------|--------------------------|
|  |  |                     |                  | UMD                     | UMD Peers |       | Competitors |       | NSSE Carnegie |       | UMD | Your seniors compared with           |       |                          |      |                          |       |                          |
|  |  |                     |                  |                         |           |       |             |       |               |       |     | UMD Peers                            |       | Competitors              |      | NSSE Carnegie            |       |                          |
| Item wording or description  | Variable name <sup>l</sup>   | Values <sup>m</sup> | Response options | Count                   | %         | Count | %           | Count | %             | Count | %   | Mean                                 | Mean  | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |
| 6. During the current school year, about how often have you done the following?  |  |                     |                  |                         |           |       |             |       |               |       |     |                                      |       |                          |      |                          |       |                          |
| a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)   | QRconclude   | 1                   | Never            | 9                       | 16        | 51    | 17          | 35    | 18            | 138   | 17  | 2.3                                  | 2.3   | .00                      | 2.3  | .01                      | 2.4   | -.07                     |
|  |  | 2                   | Sometimes        | 27                      | 47        | 125   | 42          | 80    | 41            | 341   | 41  |                                      |       |                          |      |                          |       |                          |
|  |  | 3                   | Often            | 15                      | 26        | 88    | 30          | 58    | 30            | 230   | 28  |                                      |       |                          |      |                          |       |                          |
|  |  | 4                   | Very often       | 7                       | 12        | 32    | 11          | 21    | 11            | 124   | 15  |                                      |       |                          |      |                          |       |                          |
|  |  | Total               | 58               | 100                     | 296       | 100   | 194         | 100   | 833           | 100   |     |                                      |       |                          |      |                          |       |                          |
| b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)   | QRproblem  | 1                   | Never            | 11                      | 19        | 64    | 22          | 38    | 20            | 181   | 22  | 2.2                                  | 2.2   | -.02                     | 2.3  | -.08                     | 2.3   | -.08                     |
|  |  | 2                   | Sometimes        | 30                      | 53        | 131   | 44          | 86    | 44            | 350   | 42  |                                      |       |                          |      |                          |       |                          |
|  |  | 3                   | Often            | 10                      | 18        | 74    | 25          | 51    | 26            | 200   | 24  |                                      |       |                          |      |                          |       |                          |
|  |  | 4                   | Very often       | 6                       | 11        | 26    | 9           | 19    | 10            | 101   | 12  |                                      |       |                          |      |                          |       |                          |
|  |  | Total               | 57               | 100                     | 295       | 100   | 194         | 100   | 832           | 100   |     |                                      |       |                          |      |                          |       |                          |
| c. Evaluated what others have concluded from numerical information   | QRevaluate   | 1                   | Never            | 10                      | 17        | 70    | 24          | 40    | 21            | 195   | 23  | 2.2                                  | 2.2   | .00                      | 2.2  | .00                      | 2.2   | .01                      |
|  |  | 2                   | Sometimes        | 31                      | 53        | 118   | 40          | 91    | 47            | 346   | 42  |                                      |       |                          |      |                          |       |                          |
|  |  | 3                   | Often            | 11                      | 19        | 78    | 26          | 43    | 22            | 201   | 24  |                                      |       |                          |      |                          |       |                          |
|  |  | 4                   | Very often       | 6                       | 10        | 29    | 10          | 20    | 10            | 88    | 11  |                                      |       |                          |      |                          |       |                          |
|  |  | Total               | 58               | 100                     | 295       | 100   | 194         | 100   | 830           | 100   |     |                                      |       |                          |      |                          |       |                          |
| 7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.) |  |                     |                  |                         |           |       |             |       |               |       |     |                                      |       |                          |      |                          |       |                          |
| a. Up to 5 pages   | wrshortnum<br><br>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.) | 0                   | None             | 1                       | 2         | 4     | 1           | 11    | 6             | 33    | 4   | 10.9                                 | 8.8 * | .29                      | 9.7  | .16                      | 8.7 * | .31                      |
|  |  | 1.5                 | 1-2              | 6                       | 11        | 37    | 13          | 23    | 12            | 141   | 17  |                                      |       |                          |      |                          |       |                          |
|  |  | 4                   | 3-5              | 11                      | 20        | 93    | 33          | 47    | 25            | 207   | 26  |                                      |       |                          |      |                          |       |                          |
|  |  | 8                   | 6-10             | 14                      | 25        | 58    | 20          | 41    | 22            | 170   | 21  |                                      |       |                          |      |                          |       |                          |
|  |  | 13                  | 11-15            | 9                       | 16        | 39    | 14          | 17    | 9             | 97    | 12  |                                      |       |                          |      |                          |       |                          |
|  |  | 18                  | 16-20            | 3                       | 5         | 18    | 6           | 13    | 7             | 62    | 8   |                                      |       |                          |      |                          |       |                          |
|  |  | 23                  | More than 20     | 12                      | 21        | 34    | 12          | 35    | 19            | 97    | 12  |                                      |       |                          |      |                          |       |                          |
|  |  | Total               | 56               | 100                     | 283       | 100   | 187         | 100   | 807           | 100   |     |                                      |       |                          |      |                          |       |                          |
| b. Between 6 and 10 pages  | wrmednum<br><br>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)     | 0                   | None             | 10                      | 18        | 39    | 14          | 31    | 17            | 156   | 20  | 4.6                                  | 3.7   | .23                      | 3.6  | .23                      | 3.6   | .23                      |
|  |  | 1.5                 | 1-2              | 15                      | 27        | 115   | 40          | 67    | 36            | 286   | 36  |                                      |       |                          |      |                          |       |                          |
|  |  | 4                   | 3-5              | 13                      | 23        | 82    | 29          | 60    | 32            | 216   | 27  |                                      |       |                          |      |                          |       |                          |
|  |  | 8                   | 6-10             | 13                      | 23        | 30    | 10          | 17    | 9             | 80    | 10  |                                      |       |                          |      |                          |       |                          |
|  |  | 13                  | 11-15            | 3                       | 5         | 12    | 4           | 6     | 3             | 29    | 4   |                                      |       |                          |      |                          |       |                          |
|  |  | 18                  | 16-20            | 1                       | 2         | 6     | 2           | 3     | 2             | 17    | 2   |                                      |       |                          |      |                          |       |                          |
|  |  | 23                  | More than 20     | 1                       | 2         | 2     | 1           | 3     | 2             | 11    | 1   |                                      |       |                          |      |                          |       |                          |
|  |  | Total               | 56               | 100                     | 286       | 100   | 187         | 100   | 795           | 100   |     |                                      |       |                          |      |                          |       |                          |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |   |  |                  | Frequency Distributions |     |       |     |       |     |       |     | Statistical Comparisons <sup>k</sup> |              |                          |            |                          |              |                          |  |
|--|---|--|------------------|-------------------------|-----|-------|-----|-------|-----|-------|-----|--------------------------------------|--------------|--------------------------|------------|--------------------------|--------------|--------------------------|--|
|  |   |  |                  |                         |     |       |     |       |     |       |     | Your seniors compared with           |              |                          |            |                          |              |                          |  |
|  |   |  |                  |                         |     |       |     |       |     |       |     | UMD                                  |              | UMD Peers                |            | Competitors              |              | NSSE Carnegie            |  |
| Item wording or description  | Variable name <sup>i</sup>  | Values <sup>m</sup>  | Response options | Count                   | %   | Count | %   | Count | %   | Count | %   | Mean                                 | Mean         | Effect size <sup>n</sup> | Mean       | Effect size <sup>n</sup> | Mean         | Effect size <sup>n</sup> |  |
| c. 11 pages or more  | wrlongnum   | 0  | None             | 22                      | 39  | 120   | 43  | 94    | 52  | 357   | 46  | 2.3                                  | 1.8          | .17                      | 1.5        | .23                      | 1.9          | .09                      |  |
|  | (Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.) | 1.5  | 1-2              | 20                      | 35  | 102   | 37  | 61    | 34  | 274   | 35  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 4  | 3-5              | 10                      | 18  | 40    | 14  | 17    | 9   | 93    | 12  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 8  | 6-10             | 3                       | 5   | 6     | 2   | 6     | 3   | 26    | 3   |                                      |              |                          |            |                          |              |                          |  |
|  |   | 13   | 11-15            | 1                       | 2   | 5     | 2   | 2     | 1   | 11    | 1   |                                      |              |                          |            |                          |              |                          |  |
|  |   | 18   | 16-20            | 0                       | 0   | 2     | 1   | 0     | 0   | 7     | 1   |                                      |              |                          |            |                          |              |                          |  |
|  |   | 23   | More than 20     | 1                       | 2   | 1     | 0   | 2     | 1   | 11    | 1   |                                      |              |                          |            |                          |              |                          |  |
|  |   | Total  |                  | 57                      | 100 | 276   | 100 | 182   | 100 | 779   | 100 |                                      |              |                          |            |                          |              |                          |  |
| Estimated number of assigned pages of student writing.   | wrpages   | (Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.) |                  |                         |     |       |     |       |     |       |     | 92.0                                 | 81.3         | .14                      | 78.7       | .17                      | 80.7         | .13                      |  |
| 8. During the current school year, about how often have you had discussions with people from the following groups? |   |  |                  |                         |     |       |     |       |     |       |     |                                      |              |                          |            |                          |              |                          |  |
| a. People of a race or ethnicity other than your own   | DDrace  | 1  | Never            | 6                       | 10  | 13    | 4   | 12    | 6   | 35    | 4   | 2.5                                  | 2.9 ***<br>▼ | -.51                     | 2.8 *<br>▼ | -.35                     | 3.0 ***<br>▼ | -.55                     |  |
|  |   | 2  | Sometimes        | 28                      | 48  | 91    | 31  | 70    | 36  | 243   | 29  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 3  | Often            | 14                      | 24  | 89    | 30  | 55    | 28  | 258   | 31  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 4  | Very often       | 10                      | 17  | 102   | 35  | 56    | 29  | 299   | 36  |                                      |              |                          |            |                          |              |                          |  |
|  |   | Total  |                  | 58                      | 100 | 295   | 100 | 193   | 100 | 835   | 100 |                                      |              |                          |            |                          |              |                          |  |
|  |   |  |                  |                         |     |       |     |       |     |       |     |                                      |              |                          |            |                          |              |                          |  |
| b. People from an economic background other than your own  | DDeconomic  | 1  | Never            | 4                       | 7   | 10    | 3   | 5     | 3   | 26    | 3   | 2.8                                  | 3.0          | -.13                     | 3.0        | -.18                     | 3.1          | -.26                     |  |
|  |   | 2  | Sometimes        | 16                      | 28  | 86    | 29  | 58    | 30  | 195   | 23  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 3  | Often            | 23                      | 40  | 102   | 35  | 61    | 32  | 304   | 37  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 4  | Very often       | 15                      | 26  | 95    | 32  | 68    | 35  | 305   | 37  |                                      |              |                          |            |                          |              |                          |  |
|  |   | Total  |                  | 58                      | 100 | 293   | 100 | 192   | 100 | 830   | 100 |                                      |              |                          |            |                          |              |                          |  |
| c. People with religious beliefs other than your own   | DDreligion  | 1  | Never            | 3                       | 5   | 20    | 7   | 13    | 7   | 39    | 5   | 2.9                                  | 2.9          | -.02                     | 2.9        | -.08                     | 3.0          | -.13                     |  |
|  |   | 2  | Sometimes        | 15                      | 26  | 88    | 30  | 54    | 28  | 231   | 28  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 3  | Often            | 27                      | 47  | 93    | 32  | 59    | 31  | 266   | 32  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 4  | Very often       | 13                      | 22  | 92    | 31  | 67    | 35  | 295   | 35  |                                      |              |                          |            |                          |              |                          |  |
|  |   | Total  |                  | 58                      | 100 | 293   | 100 | 193   | 100 | 831   | 100 |                                      |              |                          |            |                          |              |                          |  |
| d. People with political views other than your own   | DDpolitical   | 1  | Never            | 4                       | 7   | 15    | 5   | 10    | 5   | 30    | 4   | 3.1                                  | 3.0          | .08                      | 3.0        | .03                      | 3.0          | .01                      |  |
|  |   | 2  | Sometimes        | 11                      | 19  | 79    | 27  | 46    | 24  | 207   | 25  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 3  | Often            | 21                      | 36  | 93    | 32  | 66    | 34  | 285   | 35  |                                      |              |                          |            |                          |              |                          |  |
|  |   | 4  | Very often       | 22                      | 38  | 103   | 36  | 70    | 36  | 303   | 37  |                                      |              |                          |            |                          |              |                          |  |
|  |   | Total  |                  | 58                      | 100 | 290   | 100 | 192   | 100 | 825   | 100 |                                      |              |                          |            |                          |              |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |           |       |             |       |               |       |     | Statistical Comparisons <sup>k</sup> |      |                          |      |                          |      |                          |
|---|----------------------------|---------------------|------------------|-------------------------|-----------|-------|-------------|-------|---------------|-------|-----|--------------------------------------|------|--------------------------|------|--------------------------|------|--------------------------|
|   |                            |                     |                  | UMD                     | UMD Peers |       | Competitors |       | NSSE Carnegie |       | UMD | Your seniors compared with           |      |                          |      |                          |      |                          |
|   |                            |                     |                  |                         |           |       |             |       |               |       |     | UMD Peers                            |      | Competitors              |      | NSSE Carnegie            |      |                          |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %         | Count | %           | Count | %             | Count | %   | Mean                                 | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |
| 9. During the current school year, about how often have you done the following?                           |                            |                     |                  |                         |           |       |             |       |               |       |     |                                      |      |                          |      |                          |      |                          |
| a. Identified key information from reading assignments  | LSreading                  | 1                   | Never            | 1                       | 2         | 5     | 2           | 8     | 4             | 17    | 2   | 3.2                                  | 3.3  | -.03                     | 3.2  | .01                      | 3.3  | -.04                     |
|   |                            | 2                   | Sometimes        | 9                       | 16        | 40    | 14          | 31    | 16            | 131   | 16  |                                      |      |                          |      |                          |      |                          |
|   |                            | 3                   | Often            | 23                      | 40        | 123   | 42          | 63    | 32            | 293   | 35  |                                      |      |                          |      |                          |      |                          |
|   |                            | 4                   | Very often       | 25                      | 43        | 127   | 43          | 92    | 47            | 394   | 47  |                                      |      |                          |      |                          |      |                          |
|   |                            | Total               | 58               | 100                     | 295       | 100   | 194         | 100   | 835           | 100   |     |                                      |      |                          |      |                          |      |                          |
| b. Reviewed your notes after class  | LSnotes                    | 1                   | Never            | 4                       | 7         | 19    | 7           | 21    | 11            | 59    | 7   | 2.7                                  | 2.7  | -.08                     | 2.7  | -.01                     | 2.8  | -.19                     |
|   |                            | 2                   | Sometimes        | 24                      | 41        | 112   | 38          | 72    | 38            | 256   | 31  |                                      |      |                          |      |                          |      |                          |
|   |                            | 3                   | Often            | 17                      | 29        | 85    | 29          | 46    | 24            | 267   | 32  |                                      |      |                          |      |                          |      |                          |
|   |                            | 4                   | Very often       | 13                      | 22        | 76    | 26          | 53    | 28            | 249   | 30  |                                      |      |                          |      |                          |      |                          |
|   |                            | Total               | 58               | 100                     | 292       | 100   | 192         | 100   | 831           | 100   |     |                                      |      |                          |      |                          |      |                          |
| c. Summarized what you learned in class or from course materials  | LSummary                   | 1                   | Never            | 5                       | 9         | 20    | 7           | 10    | 5             | 47    | 6   | 2.9                                  | 2.8  | .15                      | 2.7  | .21                      | 2.9  | .03                      |
|   |                            | 2                   | Sometimes        | 15                      | 26        | 97    | 33          | 74    | 39            | 247   | 30  |                                      |      |                          |      |                          |      |                          |
|   |                            | 3                   | Often            | 18                      | 31        | 102   | 35          | 65    | 34            | 281   | 34  |                                      |      |                          |      |                          |      |                          |
|   |                            | 4                   | Very often       | 20                      | 34        | 72    | 25          | 42    | 22            | 249   | 30  |                                      |      |                          |      |                          |      |                          |
|   |                            | Total               | 58               | 100                     | 291       | 100   | 191         | 100   | 824           | 100   |     |                                      |      |                          |      |                          |      |                          |
| 10. During the current school year, to what extent have your courses challenged you to do your best work? |                            |                     |                  |                         |           |       |             |       |               |       |     |                                      |      |                          |      |                          |      |                          |
| challenge   |                            | 1                   | Not at all       | 1                       | 2         | 0     | 0           | 0     | 0             | 2     | 0   | 5.5                                  | 5.6  | -.12                     | 5.6  | -.15                     | 5.7  | -.24                     |
|   |                            | 2                   |                  | 1                       | 2         | 5     | 2           | 4     | 2             | 11    | 1   |                                      |      |                          |      |                          |      |                          |
|   |                            | 3                   |                  | 1                       | 2         | 5     | 2           | 6     | 3             | 17    | 2   |                                      |      |                          |      |                          |      |                          |
|   |                            | 4                   |                  | 6                       | 11        | 27    | 9           | 17    | 9             | 74    | 9   |                                      |      |                          |      |                          |      |                          |
|   |                            | 5                   |                  | 20                      | 35        | 93    | 32          | 53    | 28            | 209   | 25  |                                      |      |                          |      |                          |      |                          |
|   |                            | 6                   |                  | 15                      | 26        | 100   | 34          | 60    | 31            | 281   | 34  |                                      |      |                          |      |                          |      |                          |
|   |                            | 7                   | Very much        | 13                      | 23        | 63    | 22          | 51    | 27            | 240   | 29  |                                      |      |                          |      |                          |      |                          |
|   |                            | Total               | 57               | 100                     | 293       | 100   | 191         | 100   | 834           | 100   |     |                                      |      |                          |      |                          |      |                          |
| 11. Which of the following have you done or do you plan to do before you graduate? <sup>o</sup>           |                            |                     |                  |                         |           |       |             |       |               |       |     |                                      |      |                          |      |                          |      |                          |
| a. Participate in an internship, co-op, field experience, student teaching, or clinical placement         | intern                     | Have not decided    | 0                | 0                       | 3         | 1     | 2           | 1     | 9             | 1     | 74% | 74%                                  | -.01 | 70%                      | .09  | 69%                      | .10  |                          |
|   |                            | Do not plan to do   | 2                | 4                       | 6         | 2     | 2           | 1     | 26            | 3     |     |                                      |      |                          |      |                          |      |                          |
|   |                            | Plan to do          | 13               | 23                      | 67        | 23    | 55          | 28    | 221           | 26    |     |                                      |      |                          |      |                          |      |                          |
|   |                            | Done or in progress | 42               | 74                      | 219       | 74    | 135         | 70    | 578           | 69    |     |                                      |      |                          |      |                          |      |                          |
|   |                            | Total               | 57               | 100                     | 295       | 100   | 194         | 100   | 834           | 100   |     |                                      |      |                          |      |                          |      |                          |
| (Means indicate the percentage who responded "Done or in progress.")                                      |                            |                     |                  |                         |           |       |             |       |               |       |     |                                      |      |                          |      |                          |      |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |  |                     | Frequency Distributions |       |           |       |             |       |               |       | Statistical Comparisons <sup>k</sup> |      |                            |                          |             |                          |               |                          |
|--|--|---------------------|-------------------------|-------|-----------|-------|-------------|-------|---------------|-------|--------------------------------------|------|----------------------------|--------------------------|-------------|--------------------------|---------------|--------------------------|
|  |  |                     | UMD                     |       | UMD Peers |       | Competitors |       | NSSE Carnegie |       | UMD                                  |      | Your seniors compared with |                          |             |                          |               |                          |
|  |  |                     |                         |       |           |       |             |       |               |       |                                      |      | UMD Peers                  |                          | Competitors |                          | NSSE Carnegie |                          |
| Item wording or description  | Variable name <sup>i</sup>   | Values <sup>m</sup> | Response options        | Count | %         | Count | %           | Count | %             | Count | %                                    | Mean | Mean                       | Effect size <sup>n</sup> | Mean        | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> |
| b. Hold a formal leadership role in a student organization or group  | leader   |                     | Have not decided        | 8     | 14        | 31    | 11          | 17    | 9             | 72    | 9                                    | 30%  | 35%                        | -.12                     | 35%         | -.12                     | 35%           | -.12                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 30                      | 53    | 140       | 48    | 99          | 51    | 414           | 50    |                                      |      |                            |                          |             |                          |               |                          |
|  | Plan to do   | 2                   | 4                       | 18    | 6         | 9     | 5           | 50    | 6             |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Done or in progress  | 17                  | 30                      | 103   | 35        | 68    | 35          | 292   | 35            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Total  | 57                  | 100                     | 292   | 100       | 193   | 100         | 828   | 100           |       |                                      |      |                            |                          |             |                          |               |                          |
| c. Participate in a learning community or some other formal program where groups of students take two or more classes together | learncom   |                     | Have not decided        | 4     | 7         | 25    | 8           | 19    | 10            | 83    | 10                                   | 54%  | 36% **<br>▲                | .37                      | 48%         | .12                      | 36% **<br>▲   | .36                      |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 15                      | 26    | 139       | 47    | 66          | 34    | 372           | 45    |                                      |      |                            |                          |             |                          |               |                          |
|  | Plan to do   | 7                   | 12                      | 25    | 8         | 15    | 8           | 74    | 9             |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Done or in progress  | 31                  | 54                      | 106   | 36        | 94    | 48          | 302   | 36            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Total  | 57                  | 100                     | 295   | 100       | 194   | 100         | 831   | 100           |       |                                      |      |                            |                          |             |                          |               |                          |
| d. Participate in a study abroad program   | abroad   |                     | Have not decided        | 7     | 12        | 32    | 11          | 28    | 15            | 103   | 12                                   | 14%  | 19%                        | -.14                     | 11%         | .10                      | 10%           | .13                      |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 35                      | 61    | 187       | 64    | 134         | 69    | 595           | 72    |                                      |      |                            |                          |             |                          |               |                          |
|  | Plan to do   | 7                   | 12                      | 19    | 6         | 10    | 5           | 52    | 6             |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Done or in progress  | 8                   | 14                      | 56    | 19        | 21    | 11          | 81    | 10            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Total  | 57                  | 100                     | 294   | 100       | 193   | 100         | 831   | 100           |       |                                      |      |                            |                          |             |                          |               |                          |
| e. Work with a faculty member on a research project  | research   |                     | Have not decided        | 5     | 9         | 40    | 14          | 27    | 14            | 132   | 16                                   | 5%   | 14%                        | -.29                     | 10%         | -.18                     | 11%           | -.22                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 45                      | 79    | 190       | 65    | 134         | 71    | 542           | 65    |                                      |      |                            |                          |             |                          |               |                          |
|  | Plan to do   | 4                   | 7                       | 24    | 8         | 10    | 5           | 65    | 8             |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Done or in progress  | 3                   | 5                       | 40    | 14        | 19    | 10          | 92    | 11            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Total  | 57                  | 100                     | 294   | 100       | 190   | 100         | 831   | 100           |       |                                      |      |                            |                          |             |                          |               |                          |
| f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)   | capstone   |                     | Have not decided        | 10    | 18        | 18    | 6           | 20    | 10            | 62    | 7                                    | 26%  | 51% ***<br>▼               | -.52                     | 37%         | -.23                     | 42% *<br>▼    | -.33                     |
|  | (Means indicate the percentage who responded "Done or in progress.") | Do not plan to do   | 19                      | 33    | 54        | 18    | 41          | 21    | 177           | 21    |                                      |      |                            |                          |             |                          |               |                          |
|  | Plan to do   | 13                  | 23                      | 72    | 24        | 61    | 32          | 244   | 29            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Done or in progress  | 15                  | 26                      | 151   | 51        | 71    | 37          | 347   | 42            |       |                                      |      |                            |                          |             |                          |               |                          |
|  | Total  | 57                  | 100                     | 295   | 100       | 193   | 100         | 830   | 100           |       |                                      |      |                            |                          |             |                          |               |                          |

#### 12. About how many of your courses at this institution have included a community-based project (service-learning)?

|            |       |      |    |     |     |     |     |     |     |     |     |             |     |            |     |             |     |
|------------|-------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|-----|------------|-----|-------------|-----|
| servcourse | 1     | None | 8  | 14  | 35  | 12  | 28  | 15  | 141 | 17  | 2.4 | 2.1 **<br>▲ | .47 | 2.1 *<br>▲ | .38 | 2.1 **<br>▲ | .48 |
|            | 2     | Some | 22 | 38  | 202 | 69  | 114 | 59  | 515 | 62  |     |             |     |            |     |             |     |
|            | 3     | Most | 25 | 43  | 51  | 17  | 47  | 24  | 155 | 19  |     |             |     |            |     |             |     |
|            | 4     | All  | 3  | 5   | 6   | 2   | 3   | 2   | 21  | 3   |     |             |     |            |     |             |     |
|            | Total |      | 58 | 100 | 294 | 100 | 192 | 100 | 832 | 100 |     |             |     |            |     |             |     |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |      |                            |      |                          |      |                          |  |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|------|----------------------------|------|--------------------------|------|--------------------------|--|
|  |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |      | Your seniors compared with |      |                          |      |                          |  |
|  |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      | UMD Peers                  |      | Competitors              |      | NSSE Carnegie            |  |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |  |
| 13. Indicate the quality of your interactions with the following people at your institution. |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |      |                            |      |                          |      |                          |  |
| a. Students  | QIstudent                  | 1                   | Poor             | 0                       | 0   | 3         | 1   | 1           | 1   | 7             | 1   | 5.9                                  | 5.8  | .05                        | 5.9  | -.02                     | 5.9  | -.01                     |  |
|  |                            | 2                   |                  | 1                       | 2   | 1         | 0   | 2           | 1   | 7             | 1   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 3                   |                  | 1                       | 2   | 5         | 2   | 4           | 2   | 14            | 2   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 4                   |                  | 6                       | 10  | 21        | 7   | 15          | 8   | 62            | 7   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 5                   |                  | 9                       | 16  | 73        | 25  | 30          | 16  | 168           | 20  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 6                   |                  | 20                      | 34  | 97        | 33  | 75          | 39  | 264           | 32  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 7                   | Excellent        | 21                      | 36  | 96        | 32  | 66          | 34  | 311           | 37  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | —                   | Not applicable   | 0                       | 0   | 0         | 0   | 0           | 0   | 3             | 0   |                                      |      |                            |      |                          |      |                          |  |
|  |                            |                     | Total            | 58                      | 100 | 296       | 100 | 193         | 100 | 836           | 100 |                                      |      |                            |      |                          |      |                          |  |
| b. Academic advisors   | QIadvisor                  | 1                   | Poor             | 4                       | 7   | 13        | 4   | 11          | 6   | 41            | 5   | 5.2                                  | 4.8  | .19                        | 5.0  | .08                      | 5.2  | .00                      |  |
|  |                            | 2                   |                  | 3                       | 5   | 27        | 9   | 8           | 4   | 47            | 6   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 3                   |                  | 3                       | 5   | 32        | 11  | 19          | 10  | 80            | 10  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 4                   |                  | 4                       | 7   | 39        | 13  | 27          | 14  | 89            | 11  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 5                   |                  | 17                      | 29  | 64        | 22  | 38          | 20  | 147           | 18  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 6                   |                  | 10                      | 17  | 55        | 19  | 43          | 22  | 159           | 19  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 7                   | Excellent        | 17                      | 29  | 64        | 22  | 46          | 24  | 261           | 31  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | —                   | Not applicable   | 0                       | 0   | 0         | 0   | 0           | 0   | 7             | 1   |                                      |      |                            |      |                          |      |                          |  |
|  |                            |                     | Total            | 58                      | 100 | 294       | 100 | 192         | 100 | 831           | 100 |                                      |      |                            |      |                          |      |                          |  |
| c. Faculty   | QIfaculty                  | 1                   | Poor             | 1                       | 2   | 2         | 1   | 2           | 1   | 9             | 1   | 5.3                                  | 5.5  | -.15                       | 5.3  | .00                      | 5.6  | -.23                     |  |
|  |                            | 2                   |                  | 2                       | 3   | 6         | 2   | 3           | 2   | 9             | 1   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 3                   |                  | 4                       | 7   | 6         | 2   | 11          | 6   | 29            | 3   |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 4                   |                  | 8                       | 14  | 41        | 14  | 25          | 13  | 97            | 12  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 5                   |                  | 15                      | 26  | 81        | 28  | 60          | 31  | 202           | 24  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 6                   |                  | 13                      | 22  | 92        | 32  | 60          | 31  | 265           | 32  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | 7                   | Excellent        | 15                      | 26  | 63        | 22  | 30          | 16  | 216           | 26  |                                      |      |                            |      |                          |      |                          |  |
|  |                            | —                   | Not applicable   | 0                       | 0   | 1         | 0   | 0           | 0   | 4             | 0   |                                      |      |                            |      |                          |      |                          |  |
|  |                            |                     | Total            | 58                      | 100 | 292       | 100 | 191         | 100 | 831           | 100 |                                      |      |                            |      |                          |      |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |                            |                     |                  | Frequency Distributions |     |       |     |       |     |       |     | Statistical Comparisons <sup>k</sup> |        |                          |      |                          |         |                          |
|--|----------------------------|---------------------|------------------|-------------------------|-----|-------|-----|-------|-----|-------|-----|--------------------------------------|--------|--------------------------|------|--------------------------|---------|--------------------------|
|  |                            |                     |                  |                         |     |       |     |       |     |       |     | Your seniors compared with           |        |                          |      |                          |         |                          |
|  |                            |                     |                  |                         |     |       |     |       |     |       |     | UMD                                  |        | UMD Peers                |      | Competitors              |         | NSSE Carnegie            |
| Item wording or description  | Variable name <sup>i</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count | %   | Count | %   | Count | %   | Mean                                 | Mean   | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> | Mean    | Effect size <sup>n</sup> |
| d. Student services staff (career services, student activities, housing, etc.) | Qlstaff                    | 1                   | Poor             | 2                       | 3   | 7     | 2   | 5     | 3   | 25    | 3   | 4.5                                  | 5.1 *  | -0.38                    | 4.8  | -0.13                    | 5.2 **  | -0.39                    |
|  |                            | 2                   |                  | 7                       | 12  | 13    | 4   | 9     | 5   | 34    | 4   |                                      |        |                          |      |                          |         |                          |
|  |                            | 3                   |                  | 1                       | 2   | 11    | 4   | 21    | 11  | 33    | 4   |                                      |        |                          |      |                          |         |                          |
|  |                            | 4                   |                  | 15                      | 26  | 40    | 14  | 29    | 15  | 99    | 12  |                                      |        |                          |      |                          |         |                          |
|  |                            | 5                   |                  | 11                      | 19  | 69    | 23  | 37    | 19  | 157   | 19  |                                      |        |                          |      |                          |         |                          |
|  |                            | 6                   |                  | 10                      | 17  | 64    | 22  | 40    | 21  | 159   | 19  |                                      |        |                          |      |                          |         |                          |
|  |                            | 7                   | Excellent        | 6                       | 10  | 47    | 16  | 19    | 10  | 158   | 19  |                                      |        |                          |      |                          |         |                          |
|  |                            | —                   | Not applicable   | 6                       | 10  | 43    | 15  | 33    | 17  | 166   | 20  |                                      |        |                          |      |                          |         |                          |
|  |                            | Total               |                  | 58                      | 100 | 294   | 100 | 193   | 100 | 831   | 100 |                                      |        |                          |      |                          |         |                          |
| e. Other administrative staff and offices (registrar, financial aid, etc.)     | Qladmin                    | 1                   | Poor             | 2                       | 3   | 10    | 3   | 7     | 4   | 26    | 3   | 4.6                                  | 5.0 *  | -0.30                    | 4.8  | -0.18                    | 5.2 **  | -0.41                    |
|  |                            | 2                   |                  | 7                       | 12  | 12    | 4   | 6     | 3   | 28    | 3   |                                      |        |                          |      |                          |         |                          |
|  |                            | 3                   |                  | 4                       | 7   | 21    | 7   | 18    | 9   | 56    | 7   |                                      |        |                          |      |                          |         |                          |
|  |                            | 4                   |                  | 11                      | 19  | 49    | 17  | 38    | 20  | 111   | 13  |                                      |        |                          |      |                          |         |                          |
|  |                            | 5                   |                  | 8                       | 14  | 69    | 23  | 42    | 22  | 166   | 20  |                                      |        |                          |      |                          |         |                          |
|  |                            | 6                   |                  | 15                      | 26  | 69    | 23  | 46    | 24  | 212   | 25  |                                      |        |                          |      |                          |         |                          |
|  |                            | 7                   | Excellent        | 5                       | 9   | 53    | 18  | 23    | 12  | 180   | 22  |                                      |        |                          |      |                          |         |                          |
|  |                            | —                   | Not applicable   | 6                       | 10  | 11    | 4   | 13    | 7   | 54    | 6   |                                      |        |                          |      |                          |         |                          |
|  |                            | Total               |                  | 58                      | 100 | 294   | 100 | 193   | 100 | 833   | 100 |                                      |        |                          |      |                          |         |                          |
| 14. How much does your institution emphasize the following?                    |                            |                     |                  |                         |     |       |     |       |     |       |     |                                      |        |                          |      |                          |         |                          |
| a. Spending significant amounts of time studying and on academic work          | empstudy                   | 1                   | Very little      | 1                       | 2   | 5     | 2   | 5     | 3   | 13    | 2   | 3.1                                  | 3.0    | 0.15                     | 3.0  | 0.08                     | 3.1     | 0.01                     |
|  |                            | 2                   | Some             | 10                      | 17  | 78    | 27  | 44    | 23  | 168   | 20  |                                      |        |                          |      |                          |         |                          |
|  |                            | 3                   | Quite a bit      | 29                      | 50  | 125   | 43  | 80    | 42  | 380   | 46  |                                      |        |                          |      |                          |         |                          |
|  |                            | 4                   | Very much        | 18                      | 31  | 85    | 29  | 62    | 32  | 271   | 33  |                                      |        |                          |      |                          |         |                          |
|  |                            | Total               |                  | 58                      | 100 | 293   | 100 | 191   | 100 | 832   | 100 |                                      |        |                          |      |                          |         |                          |
| b. Providing support to help students succeed academically                     | SEacademic                 | 1                   | Very little      | 2                       | 3   | 6     | 2   | 11    | 6   | 26    | 3   | 2.9                                  | 3.0    | -0.19                    | 2.8  | 0.04                     | 3.0     | -0.21                    |
|  |                            | 2                   | Some             | 15                      | 26  | 66    | 23  | 56    | 29  | 179   | 22  |                                      |        |                          |      |                          |         |                          |
|  |                            | 3                   | Quite a bit      | 29                      | 50  | 133   | 46  | 77    | 40  | 357   | 43  |                                      |        |                          |      |                          |         |                          |
|  |                            | 4                   | Very much        | 12                      | 21  | 87    | 30  | 48    | 25  | 269   | 32  |                                      |        |                          |      |                          |         |                          |
|  |                            | Total               |                  | 58                      | 100 | 292   | 100 | 192   | 100 | 831   | 100 |                                      |        |                          |      |                          |         |                          |
| c. Using learning support services (tutoring services, writing center, etc.)   | SElearnsup                 | 1                   | Very little      | 7                       | 12  | 24    | 8   | 30    | 16  | 64    | 8   | 2.5                                  | 2.9 ** | -0.39                    | 2.6  | -0.13                    | 2.9 *** | -0.48                    |
|  |                            | 2                   | Some             | 21                      | 36  | 79    | 27  | 53    | 28  | 196   | 24  |                                      |        |                          |      |                          |         |                          |
|  |                            | 3                   | Quite a bit      | 24                      | 41  | 104   | 36  | 63    | 33  | 296   | 36  |                                      |        |                          |      |                          |         |                          |
|  |                            | 4                   | Very much        | 6                       | 10  | 85    | 29  | 43    | 23  | 275   | 33  |                                      |        |                          |      |                          |         |                          |
|  |                            | Total               |                  | 58                      | 100 | 292   | 100 | 189   | 100 | 831   | 100 |                                      |        |                          |      |                          |         |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |                            |      |                          |       |                          |   |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|----------------------------|------|--------------------------|-------|--------------------------|---|
|   |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |      | Your seniors compared with |      |                          |       |                          |   |
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | UMD Peers                  |      | Competitors              |       | NSSE Carnegie            |   |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean  | Effect size <sup>n</sup> |   |
| d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.) | SEdiverse                  | 1                   | Very little      | 7                       | 12  | 33        | 11  | 32          | 17  | 101           | 12 | 2.6                                  | 2.6  | -.09                       | 2.6  | .01                      | 2.7   | -.11                     |   |
|   |                            | 2                   | Some             | 23                      | 40  | 97        | 33  | 65          | 34  | 265           | 32 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 16                      | 28  | 104       | 35  | 50          | 26  | 268           | 32 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 12                      | 21  | 60        | 20  | 45          | 23  | 197           | 24 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 192 | 100         | 831 | 100           |    |                                      |      |                            |      |                          |       |                          |   |
| e. Providing opportunities to be involved socially  | SEsocial                   | 1                   | Very little      | 2                       | 3   | 16        | 5   | 9           | 5   | 58            | 7  | 2.8                                  | 2.9  | -.16                       | 2.9  | -.13                     | 2.9   | -.15                     |   |
|   |                            | 2                   | Some             | 22                      | 38  | 77        | 26  | 55          | 29  | 200           | 24 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 20                      | 34  | 109       | 37  | 73          | 38  | 313           | 38 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 14                      | 24  | 90        | 31  | 55          | 29  | 257           | 31 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 58               | 100                     | 292 | 100       | 192 | 100         | 828 | 100           |    |                                      |      |                            |      |                          |       |                          |   |
| f. Providing support for your overall well-being (recreation, health care, counseling, etc.)              | SEwellness                 | 1                   | Very little      | 4                       | 7   | 27        | 9   | 25          | 13  | 81            | 10 | 2.7                                  | 2.9  | -.19                       | 2.8  | -.09                     | 2.8   | -.13                     |   |
|   |                            | 2                   | Some             | 17                      | 29  | 64        | 22  | 44          | 23  | 210           | 25 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 28                      | 48  | 109       | 38  | 64          | 34  | 295           | 36 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 9                       | 16  | 90        | 31  | 58          | 30  | 243           | 29 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 58               | 100                     | 290 | 100       | 191 | 100         | 829 | 100           |    |                                      |      |                            |      |                          |       |                          |   |
| g. Helping you manage your non-academic responsibilities (work, family, etc.)                             | SEnonacad                  | 1                   | Very little      | 24                      | 41  | 98        | 33  | 79          | 41  | 273           | 33 | 1.8                                  | 2.1  | -.26                       | 2.0  | -.12                     | 2.2 * | ▼                        |   |
|   |                            | 2                   | Some             | 24                      | 41  | 101       | 34  | 60          | 31  | 272           | 33 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 5                       | 9   | 67        | 23  | 36          | 19  | 177           | 21 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 5                       | 9   | 29        | 10  | 18          | 9   | 111           | 13 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 58               | 100                     | 295 | 100       | 193 | 100         | 833 | 100           |    |                                      |      |                            |      |                          |       |                          |   |
| h. Attending campus activities and events (performing arts, athletic events, etc.)                        | SEactivities               | 1                   | Very little      | 11                      | 19  | 27        | 9   | 33          | 17  | 114           | 14 | 2.3                                  | ▼    | 2.8 ***                    | -.50 | 2.5                      | -.19  | 2.7 *                    | ▼ |
|   |                            | 2                   | Some             | 21                      | 37  | 78        | 27  | 60          | 32  | 236           | 28 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 20                      | 35  | 116       | 40  | 64          | 34  | 290           | 35 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 5                       | 9   | 71        | 24  | 33          | 17  | 189           | 23 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 57               | 100                     | 292 | 100       | 190 | 100         | 829 | 100           |    |                                      |      |                            |      |                          |       |                          |   |
| i. Attending events that address important social, economic, or political issues                          | SEevents                   | 1                   | Very little      | 11                      | 19  | 44        | 15  | 44          | 23  | 142           | 17 | 2.2                                  | ▼    | 2.5 **                     | -.35 | 2.3                      | -.07  | 2.5 *                    | ▼ |
|   |                            | 2                   | Some             | 28                      | 48  | 104       | 36  | 77          | 40  | 297           | 36 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 3                   | Quite a bit      | 16                      | 28  | 96        | 33  | 47          | 25  | 249           | 30 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | 4                   | Very much        | 3                       | 5   | 48        | 16  | 23          | 12  | 138           | 17 |                                      |      |                            |      |                          |       |                          |   |
|   |                            | Total               | 58               | 100                     | 292 | 100       | 191 | 100         | 826 | 100           |    |                                      |      |                            |      |                          |       |                          |   |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |                            |                          |             |                          |               |                          |
|--|--|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|----------------------------|--------------------------|-------------|--------------------------|---------------|--------------------------|
|  |  |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  | Your seniors compared with |                          |             |                          |               |                          |
|  |  |                     |                  |                         |     |           |     |             |     |               |     |                                      | UMD Peers                  |                          | Competitors |                          | NSSE Carnegie |                          |
| Item wording or description  | Variable name <sup>l</sup>   | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean                       | Effect size <sup>n</sup> | Mean        | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> |
| d. Working for pay off campus  | tmworkoffhrs   | 0                   | 0 hrs            | 19                      | 33  | 88        | 30  | 71          | 38  | 274           | 33  | 11.9                                 | 11.6                       | .03                      | 11.8        | .01                      | 13.0          | -.09                     |
|  | (Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 5                       | 9   | 24        | 8   | 16          | 8   | 49            | 6   |                                      |                            |                          |             |                          |               |                          |
|  |  | 8                   | 6-10 hrs         | 1                       | 2   | 35        | 12  | 12          | 6   | 76            | 9   |                                      |                            |                          |             |                          |               |                          |
|  |  | 13                  | 11-15 hrs        | 10                      | 17  | 33        | 11  | 16          | 8   | 79            | 10  |                                      |                            |                          |             |                          |               |                          |
|  |  | 18                  | 16-20 hrs        | 10                      | 17  | 45        | 16  | 19          | 10  | 98            | 12  |                                      |                            |                          |             |                          |               |                          |
|  |  | 23                  | 21-25 hrs        | 5                       | 9   | 30        | 10  | 18          | 10  | 83            | 10  |                                      |                            |                          |             |                          |               |                          |
|  |  | 28                  | 26-30 hrs        | 4                       | 7   | 14        | 5   | 18          | 10  | 57            | 7   |                                      |                            |                          |             |                          |               |                          |
|  |  | 33                  | More than 30 hrs | 4                       | 7   | 21        | 7   | 19          | 10  | 113           | 14  |                                      |                            |                          |             |                          |               |                          |
|  |  |                     | Total            | 58                      | 100 | 290       | 100 | 189         | 100 | 829           | 100 |                                      |                            |                          |             |                          |               |                          |
| Estimated number of hours working for pay  | tmworkhrs  |                     |                  |                         |     |           |     |             |     |               |     | 15.1                                 | 15.2                       | -.01                     | 15.0        | .01                      | 16.0          | -.08                     |
|  | (Continuous variable created by NSSE)  |                     |                  |                         |     |           |     |             |     |               |     |                                      |                            |                          |             |                          |               |                          |
| e. Doing community service or volunteer work   | tmservicehrs   | 0                   | 0 hrs            | 23                      | 40  | 117       | 40  | 80          | 42  | 344           | 41  | 7.1                                  | 3.3 *                      | .60                      | 3.0 **      | .63                      | 3.3 **        | .69                      |
|  | (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 15                      | 26  | 134       | 46  | 85          | 45  | 360           | 43  |                                      |                            |                          |             |                          |               |                          |
|  |  | 8                   | 6-10 hrs         | 8                       | 14  | 20        | 7   | 15          | 8   | 61            | 7   |                                      |                            |                          |             |                          |               |                          |
|  |  | 13                  | 11-15 hrs        | 1                       | 2   | 10        | 3   | 4           | 2   | 35            | 4   |                                      |                            |                          |             |                          |               |                          |
|  |  | 18                  | 16-20 hrs        | 2                       | 4   | 5         | 2   | 4           | 2   | 19            | 2   |                                      |                            |                          |             |                          |               |                          |
|  |  | 23                  | 21-25 hrs        | 1                       | 2   | 2         | 1   | 0           | 0   | 3             | 0   |                                      |                            |                          |             |                          |               |                          |
|  |  | 28                  | 26-30 hrs        | 1                       | 2   | 0         | 0   | 0           | 0   | 1             | 0   |                                      |                            |                          |             |                          |               |                          |
|  |  | 33                  | More than 30 hrs | 6                       | 11  | 4         | 1   | 2           | 1   | 8             | 1   |                                      |                            |                          |             |                          |               |                          |
|  |  |                     | Total            | 57                      | 100 | 292       | 100 | 190         | 100 | 831           | 100 |                                      |                            |                          |             |                          |               |                          |
| f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.) | tmrelaxhrs   | 0                   | 0 hrs            | 1                       | 2   | 6         | 2   | 2           | 1   | 17            | 2   | 11.6                                 | 10.1                       | .19                      | 10.9        | .08                      | 10.3          | .18                      |
|  | (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)   | 3                   | 1-5 hrs          | 12                      | 21  | 74        | 25  | 62          | 32  | 237           | 29  |                                      |                            |                          |             |                          |               |                          |
|  |  | 8                   | 6-10 hrs         | 23                      | 40  | 104       | 36  | 57          | 30  | 254           | 31  |                                      |                            |                          |             |                          |               |                          |
|  |  | 13                  | 11-15 hrs        | 4                       | 7   | 55        | 19  | 24          | 13  | 157           | 19  |                                      |                            |                          |             |                          |               |                          |
|  |  | 18                  | 16-20 hrs        | 8                       | 14  | 28        | 10  | 23          | 12  | 78            | 9   |                                      |                            |                          |             |                          |               |                          |
|  |  | 23                  | 21-25 hrs        | 7                       | 12  | 11        | 4   | 5           | 3   | 45            | 5   |                                      |                            |                          |             |                          |               |                          |
|  |  | 28                  | 26-30 hrs        | 1                       | 2   | 5         | 2   | 4           | 2   | 20            | 2   |                                      |                            |                          |             |                          |               |                          |
|  |  | 33                  | More than 30 hrs | 2                       | 3   | 9         | 3   | 15          | 8   | 22            | 3   |                                      |                            |                          |             |                          |               |                          |
|  |  |                     | Total            | 58                      | 100 | 292       | 100 | 192         | 100 | 830           | 100 |                                      |                            |                          |             |                          |               |                          |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |  |                     |                  | Frequency Distributions |    |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |           |                          |               |                          |           |                          |
|--|--|---------------------|------------------|-------------------------|----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|-----------|--------------------------|---------------|--------------------------|-----------|--------------------------|
|  |  |                     |                  | UMD                     |    | UMD Peers |     | Competitors |     | NSSE Carnegie |     | Your seniors compared with           |           |                          |               |                          |           |                          |
|  |  |                     |                  |                         |    |           |     |             |     |               |     | UMD                                  | UMD Peers | Competitors              | NSSE Carnegie | UMD                      | UMD Peers | Competitors              |
| Item wording or description  | Variable name <sup>i</sup>   | Values <sup>m</sup> | Response options | Count                   | %  | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean      | Effect size <sup>n</sup> | Mean          | Effect size <sup>n</sup> | Mean      | Effect size <sup>n</sup> |
| g. Providing care for dependents (children, parents, etc.)   | tmcarehrs  | 0                   | 0 hrs            | 44                      | 77 | 200       | 69  | 133         | 70  | 538           | 65  | 2.4                                  | 4.5 *     | -.24                     | 4.1           | -.20                     | 6.6 ***   | -.37                     |
|  | (Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)    | 3                   | 1-5 hrs          | 7                       | 12 | 31        | 11  | 26          | 14  | 72            | 9   |                                      |           |                          |               |                          |           |                          |
|  |  | 8                   | 6-10 hrs         | 0                       | 0  | 16        | 5   | 7           | 4   | 44            | 5   |                                      |           |                          |               |                          |           |                          |
|  |  | 13                  | 11-15 hrs        | 2                       | 4  | 10        | 3   | 2           | 1   | 24            | 3   |                                      |           |                          |               |                          |           |                          |
|  |  | 18                  | 16-20 hrs        | 3                       | 5  | 7         | 2   | 3           | 2   | 17            | 2   |                                      |           |                          |               |                          |           |                          |
|  |  | 23                  | 21-25 hrs        | 0                       | 0  | 4         | 1   | 2           | 1   | 11            | 1   |                                      |           |                          |               |                          |           |                          |
|  |  | 28                  | 26-30 hrs        | 0                       | 0  | 4         | 1   | 4           | 2   | 10            | 1   |                                      |           |                          |               |                          |           |                          |
|  |  | 33                  | More than 30 hrs | 1                       | 2  | 19        | 7   | 12          | 6   | 114           | 14  |                                      |           |                          |               |                          |           |                          |
|  |  | Total               |                  |                         | 57 | 100       | 291 | 100         | 189 | 100           | 830 |                                      |           |                          |               |                          |           |                          |
| h. Commuting to campus (driving, walking, etc.)  | tmcommutehrs   | 0                   | 0 hrs            | 8                       | 14 | 33        | 11  | 25          | 13  | 117           | 14  | 4.1                                  | 4.7       | -.13                     | 4.5           | -.08                     | 5.0       | -.18                     |
|  | (Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.) | 3                   | 1-5 hrs          | 39                      | 67 | 194       | 66  | 128         | 66  | 480           | 57  |                                      |           |                          |               |                          |           |                          |
|  |  | 8                   | 6-10 hrs         | 9                       | 16 | 38        | 13  | 26          | 13  | 152           | 18  |                                      |           |                          |               |                          |           |                          |
|  |  | 13                  | 11-15 hrs        | 0                       | 0  | 18        | 6   | 6           | 3   | 49            | 6   |                                      |           |                          |               |                          |           |                          |
|  |  | 18                  | 16-20 hrs        | 1                       | 2  | 4         | 1   | 5           | 3   | 17            | 2   |                                      |           |                          |               |                          |           |                          |
|  |  | 23                  | 21-25 hrs        | 0                       | 0  | 1         | 0   | 0           | 0   | 3             | 0   |                                      |           |                          |               |                          |           |                          |
|  |  | 28                  | 26-30 hrs        | 1                       | 2  | 1         | 0   | 0           | 0   | 5             | 1   |                                      |           |                          |               |                          |           |                          |
|  |  | 33                  | More than 30 hrs | 0                       | 0  | 4         | 1   | 3           | 2   | 12            | 1   |                                      |           |                          |               |                          |           |                          |
|  |  | Total               |                  |                         | 58 | 100       | 293 | 100         | 193 | 100           | 835 |                                      |           |                          |               |                          |           |                          |
| 16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?  |  |                     |                  |                         |    |           |     |             |     |               |     |                                      |           |                          |               |                          |           |                          |
| reading  | 1  | Very little         | 7                | 12                      | 21 | 7         | 17  | 9           | 88  | 11            | 3.1 | 3.0                                  | .04       | 3.1                      | -.01          | 2.9                      | .13       |                          |
|  | (Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)       | 2                   | Some             | 11                      | 19 | 83        | 28  | 46          | 24  | 241           |     |                                      |           |                          |               |                          |           | 29                       |
|  |  | 3                   | About half       | 16                      | 28 | 85        | 29  | 60          | 31  | 242           |     |                                      |           |                          |               |                          |           | 29                       |
|  |  | 4                   | Most             | 20                      | 34 | 81        | 28  | 50          | 26  | 183           |     |                                      |           |                          |               |                          |           | 22                       |
|  |  | 5                   | Almost all       | 4                       | 7  | 23        | 8   | 21          | 11  | 78            |     |                                      |           |                          |               |                          |           | 9                        |
|  |  | Total               |                  |                         | 58 | 100       | 293 | 100         | 194 | 100           |     |                                      |           |                          |               |                          |           | 832                      |
| tmreadinghrs   |  |                     |                  |                         |    |           |     |             |     |               | 8.8 | 7.8                                  | .17       | 8.7                      | .01           | 7.5                      | .20       |                          |
| (Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90) |  |                     |                  |                         |    |           |     |             |     |               |     |                                      |           |                          |               |                          |           |                          |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education  |  |                     |                             | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |                            |      |                          |        |                          |  |
|--|--|---------------------|-----------------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|----------------------------|------|--------------------------|--------|--------------------------|--|
|  |  |                     |                             | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | Your seniors compared with |      |                          |        |                          |  |
|  |  |                     |                             |                         |     |           |     |             |     |               |    |                                      |      | UMD Peers                  |      | Competitors              |        | NSSE Carnegie            |  |
| Item wording or description  | Variable name <sup>i</sup>                           | Values <sup>m</sup> | Response options            | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean   | Effect size <sup>n</sup> |  |
|  | tmreadinghrscol                                      | 1                   | 0 hrs                       | 0                       | 0   | 0         | 0   | 0           | 0   | 1             | 0  |                                      |      |                            |      |                          |        |                          |  |
|  | (Collapsed version of tmreadinghrs created by NSSE.) | 2                   | More than zero, up to 5 hrs | 19                      | 33  | 123       | 42  | 77          | 40  | 368           | 44 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 3                   | More than 5, up to 10 hrs   | 23                      | 40  | 90        | 31  | 56          | 29  | 244           | 30 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 4                   | More than 10, up to 15 hrs  | 6                       | 10  | 40        | 14  | 25          | 13  | 104           | 13 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 5                   | More than 15, up to 20 hrs  | 4                       | 7   | 22        | 8   | 16          | 8   | 62            | 7  |                                      |      |                            |      |                          |        |                          |  |
|  |  | 6                   | More than 20, up to 25 hrs  | 4                       | 7   | 15        | 5   | 13          | 7   | 38            | 5  |                                      |      |                            |      |                          |        |                          |  |
|  |  | 7                   | More than 25 hrs            | 2                       | 3   | 1         | 0   | 6           | 3   | 10            | 1  |                                      |      |                            |      |                          |        |                          |  |
|  |  | Total               | 58                          | 100                     | 291 | 100       | 193 | 100         | 827 | 100           |    |                                      |      |                            |      |                          |        |                          |  |
| 17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas? |  |                     |                             |                         |     |           |     |             |     |               |    |                                      |      |                            |      |                          |        |                          |  |
| a. Writing clearly and effectively   | pgwrite  | 1                   | Very little                 | 3                       | 5   | 19        | 6   | 19          | 10  | 48            | 6  | 2.8                                  | 2.9  | -.17                       | 2.8  | .03                      | 3.0    | -.25                     |  |
|  |  | 2                   | Some                        | 16                      | 28  | 64        | 22  | 52          | 27  | 177           | 21 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 3                   | Quite a bit                 | 29                      | 50  | 128       | 44  | 78          | 40  | 320           | 38 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 4                   | Very much                   | 10                      | 17  | 83        | 28  | 45          | 23  | 288           | 35 |                                      |      |                            |      |                          |        |                          |  |
|  |  | Total               | 58                          | 100                     | 294 | 100       | 194 | 100         | 833 | 100           |    |                                      |      |                            |      |                          |        |                          |  |
| b. Speaking clearly and effectively  | pgspeak  | 1                   | Very little                 | 6                       | 10  | 19        | 6   | 16          | 8   | 52            | 6  | 2.8                                  | 2.9  | -.12                       | 3.0  | -.12                     | 3.0    | -.17                     |  |
|  |  | 2                   | Some                        | 14                      | 24  | 62        | 21  | 39          | 20  | 186           | 22 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 3                   | Quite a bit                 | 21                      | 36  | 127       | 43  | 76          | 39  | 309           | 37 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 4                   | Very much                   | 17                      | 29  | 85        | 29  | 62          | 32  | 286           | 34 |                                      |      |                            |      |                          |        |                          |  |
|  |  | Total               | 58                          | 100                     | 293 | 100       | 193 | 100         | 833 | 100           |    |                                      |      |                            |      |                          |        |                          |  |
| c. Thinking critically and analytically  | pgthink  | 1                   | Very little                 | 0                       | 0   | 4         | 1   | 9           | 5   | 14            | 2  | 3.1                                  | 3.3  | -.24                       | 3.2  | -.08                     | 3.3 *  | -.29                     |  |
|  |  | 2                   | Some                        | 12                      | 21  | 35        | 12  | 28          | 14  | 107           | 13 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 3                   | Quite a bit                 | 29                      | 50  | 136       | 46  | 81          | 42  | 327           | 39 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 4                   | Very much                   | 17                      | 29  | 119       | 40  | 76          | 39  | 386           | 46 |                                      |      |                            |      |                          |        |                          |  |
|  |  | Total               | 58                          | 100                     | 294 | 100       | 194 | 100         | 834 | 100           |    |                                      |      |                            |      |                          |        |                          |  |
| d. Analyzing numerical and statistical information   | pganalyze  | 1                   | Very little                 | 14                      | 24  | 55        | 19  | 49          | 26  | 130           | 16 | 2.2                                  | 2.4  | -.20                       | 2.3  | -.09                     | 2.5 ** | -.38                     |  |
|  |  | 2                   | Some                        | 26                      | 45  | 120       | 41  | 72          | 38  | 293           | 35 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 3                   | Quite a bit                 | 12                      | 21  | 73        | 25  | 42          | 22  | 232           | 28 |                                      |      |                            |      |                          |        |                          |  |
|  |  | 4                   | Very much                   | 6                       | 10  | 43        | 15  | 29          | 15  | 175           | 21 |                                      |      |                            |      |                          |        |                          |  |
|  |  | Total               | 58                          | 100                     | 291 | 100       | 192 | 100         | 830 | 100           |    |                                      |      |                            |      |                          |        |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |    | Statistical Comparisons <sup>k</sup> |      |                            |      |                          |      |                          |  |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|----|--------------------------------------|------|----------------------------|------|--------------------------|------|--------------------------|--|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |    | UMD                                  |      | Your seniors compared with |      |                          |      |                          |  |
|   |                            |                     |                  |                         |     |           |     |             |     |               |    |                                      |      | UMD Peers                  |      | Competitors              |      | NSSE Carnegie            |  |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %  | Mean                                 | Mean | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean | Effect size <sup>n</sup> |  |
| e. Acquiring job- or work-related knowledge and skills  | pgwork                     | 1                   | Very little      | 1                       | 2   | 13        | 4   | 10          | 5   | 36            | 4  | 3.3                                  | 3.1  | .24                        | 3.1  | .28                      | 3.2  | .21                      |  |
|   |                            | 2                   | Some             | 7                       | 12  | 50        | 17  | 40          | 21  | 148           | 18 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 21                      | 36  | 113       | 38  | 63          | 33  | 295           | 35 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 29                      | 50  | 118       | 40  | 80          | 41  | 354           | 42 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 193 | 100         | 833 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| f. Working effectively with others  | pgothers                   | 1                   | Very little      | 2                       | 3   | 10        | 3   | 12          | 6   | 24            | 3  | 3.3                                  | 3.2  | .06                        | 3.1  | .26                      | 3.2  | .10                      |  |
|   |                            | 2                   | Some             | 8                       | 14  | 36        | 12  | 43          | 22  | 131           | 16 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 19                      | 33  | 121       | 41  | 61          | 32  | 317           | 38 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 29                      | 50  | 127       | 43  | 77          | 40  | 358           | 43 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 193 | 100         | 830 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| g. Developing or clarifying a personal code of values and ethics  | pgvalues                   | 1                   | Very little      | 7                       | 12  | 32        | 11  | 27          | 14  | 85            | 10 | 2.9                                  | 2.8  | .04                        | 2.7  | .16                      | 2.9  | -.05                     |  |
|   |                            | 2                   | Some             | 13                      | 23  | 65        | 22  | 53          | 27  | 192           | 23 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 18                      | 32  | 119       | 41  | 66          | 34  | 272           | 33 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 19                      | 33  | 77        | 26  | 48          | 25  | 283           | 34 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 57               | 100                     | 293 | 100       | 194 | 100         | 832 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.) | pgdiverse                  | 1                   | Very little      | 4                       | 7   | 24        | 8   | 22          | 11  | 63            | 8  | 2.9                                  | 2.9  | -.02                       | 2.8  | .04                      | 2.9  | -.06                     |  |
|   |                            | 2                   | Some             | 15                      | 26  | 65        | 22  | 50          | 26  | 202           | 24 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 23                      | 40  | 122       | 41  | 59          | 30  | 289           | 35 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 16                      | 28  | 83        | 28  | 63          | 32  | 278           | 33 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 58               | 100                     | 294 | 100       | 194 | 100         | 832 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| i. Solving complex real-world problems  | pgprobsolve                | 1                   | Very little      | 5                       | 9   | 23        | 8   | 21          | 11  | 61            | 7  | 2.8                                  | 2.8  | .00                        | 2.7  | .17                      | 2.9  | -.04                     |  |
|   |                            | 2                   | Some             | 20                      | 34  | 79        | 27  | 62          | 32  | 218           | 26 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 13                      | 22  | 117       | 40  | 72          | 37  | 319           | 38 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 20                      | 34  | 74        | 25  | 39          | 20  | 231           | 28 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 58               | 100                     | 293 | 100       | 194 | 100         | 829 | 100           |    |                                      |      |                            |      |                          |      |                          |  |
| j. Being an informed and active citizen   | pgcitizen                  | 1                   | Very little      | 8                       | 14  | 26        | 9   | 31          | 16  | 80            | 10 | 2.7                                  | 2.7  | -.09                       | 2.5  | .15                      | 2.8  | -.12                     |  |
|   |                            | 2                   | Some             | 16                      | 29  | 89        | 31  | 69          | 36  | 240           | 29 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 3                   | Quite a bit      | 19                      | 34  | 109       | 38  | 56          | 29  | 292           | 35 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | 4                   | Very much        | 13                      | 23  | 66        | 23  | 37          | 19  | 216           | 26 |                                      |      |                            |      |                          |      |                          |  |
|   |                            | Total               | 56               | 100                     | 290 | 100       | 193 | 100         | 828 | 100           |    |                                      |      |                            |      |                          |      |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Frequencies and Statistical Comparisons: Education

### University of Minnesota Duluth

#### Seniors<sup>a</sup> in Education

| Seniors <sup>a</sup> in Education   |                            |                     |                  | Frequency Distributions |     |           |     |             |     |               |     | Statistical Comparisons <sup>k</sup> |              |                            |      |                          |              |                          |  |
|---|----------------------------|---------------------|------------------|-------------------------|-----|-----------|-----|-------------|-----|---------------|-----|--------------------------------------|--------------|----------------------------|------|--------------------------|--------------|--------------------------|--|
|   |                            |                     |                  | UMD                     |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                                  |              | Your seniors compared with |      |                          |              |                          |  |
|   |                            | UMD Peers           |                  |                         |     |           |     |             |     |               |     |                                      |              | Competitors                |      | NSSE Carnegie            |              |                          |  |
| Item wording or description   | Variable name <sup>l</sup> | Values <sup>m</sup> | Response options | Count                   | %   | Count     | %   | Count       | %   | Count         | %   | Mean                                 | Mean         | Effect size <sup>n</sup>   | Mean | Effect size <sup>n</sup> | Mean         | Effect size <sup>n</sup> |  |
| 18. How would you evaluate your entire educational experience at this institution?                    |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |              |                            |      |                          |              |                          |  |
|   | evalexp                    | 1                   | Poor             | 4                       | 7   | 8         | 3   | 5           | 3   | 24            | 3   | 2.9                                  | 3.3 ***<br>▼ | -.57                       | 3.1  | -.29                     | 3.3 ***<br>▼ | -.55                     |  |
|   |                            | 2                   | Fair             | 11                      | 19  | 26        | 9   | 27          | 14  | 82            | 10  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | 3                   | Good             | 31                      | 53  | 127       | 43  | 107         | 55  | 344           | 41  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | 4                   | Excellent        | 12                      | 21  | 134       | 45  | 56          | 29  | 384           | 46  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | Total               |                  | 58                      | 100 | 295       | 100 | 195         | 100 | 834           | 100 |                                      |              |                            |      |                          |              |                          |  |
| 19. If you could start over again, would you go to the <i>same institution</i> you are now attending? |                            |                     |                  |                         |     |           |     |             |     |               |     |                                      |              |                            |      |                          |              |                          |  |
|   | sameinst                   | 1                   | Definitely no    | 5                       | 9   | 7         | 2   | 7           | 4   | 32            | 4   | 3.0                                  | 3.4 ***<br>▼ | -.48                       | 3.1  | -.11                     | 3.3 **<br>▼  | -.42                     |  |
|   |                            | 2                   | Probably no      | 10                      | 17  | 35        | 12  | 34          | 18  | 93            | 11  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | 3                   | Probably yes     | 24                      | 41  | 93        | 32  | 90          | 46  | 279           | 33  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | 4                   | Definitely yes   | 19                      | 33  | 158       | 54  | 63          | 32  | 431           | 52  |                                      |              |                            |      |                          |              |                          |  |
|   |                            | Total               |                  | 58                      | 100 | 293       | 100 | 194         | 100 | 835           | 100 |                                      |              |                            |      |                          |              |                          |  |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

University of Minnesota Duluth

## Education

|  |   |   | First-Year Students <sup>a</sup> |     |           |     |             |     |               |     | Seniors <sup>a</sup> |     |           |     |             |     |               |     |
|--|---|---|----------------------------------|-----|-----------|-----|-------------|-----|---------------|-----|----------------------|-----|-----------|-----|-------------|-----|---------------|-----|
|  |   |   | UMD                              |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                  |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
| Item wording or description  | Variable name                                 | Response options                                  | Count                            | %   | Count     | %   | Count       | %   | Count         | %   | Count                | %   | Count     | %   | Count       | %   | Count         | %   |
| 20a. How many majors do you plan to complete? (Do not count minors.)   | MAJnum  | One   | 39                               | 78  | 163       | 86  | 105         | 91  | 462           | 88  | 48                   | 83  | 251       | 85  | 141         | 72  | 723           | 86  |
|  |   | More than one                                     | 11                               | 22  | 26        | 14  | 11          | 9   | 66            | 13  | 10                   | 17  | 45        | 15  | 54          | 28  | 114           | 14  |
|  |   | Total   | 50                               | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58                   | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
| First major or expected first major, in NSSE's default related-major categories.<br><br>(Does not reflect any customization made for the Major Field Report)   | MAJfirstcol<br><br>(Recoded from MAJfirst.)   | Arts & Humanities                                 | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Biological Sci., Agriculture, & Natural Resources | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Physical Sci., Mathematics, & Computer Science    | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Social Sciences                                   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Business  | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Communications, Media, & Public Relations         | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Education   | 50                               | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58                   | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
|  |   | Engineering                                       | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Health Professions                                | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Social Service Professions                        | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | All Other   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Undecided, Undeclared                             | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Total   | 50                               | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58                   | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
| Second major or expected second major, in NSSE's default related-major categories.<br><br>(Does not reflect any customization made for the Major Field Report) | MAJsecondcol<br><br>(Recoded from MAJsecond.) | Arts & Humanities                                 | 1                                | 9   | 0         | 0   | 0           | 0   | 7             | 11  | 0                    | 0   | 7         | 16  | 6           | 11  | 14            | 12  |
|  |   | Biological Sci., Agriculture, & Natural Resources | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 1                    | 10  | 1         | 2   | 1           | 2   | 1             | 1   |
|  |   | Physical Sci., Mathematics, & Computer Science    | 2                                | 18  | 1         | 4   | 0           | 0   | 2             | 3   | 0                    | 0   | 1         | 2   | 2           | 4   | 3             | 3   |
|  |   | Social Sciences                                   | 0                                | 0   | 2         | 8   | 0           | 0   | 3             | 5   | 0                    | 0   | 4         | 9   | 2           | 4   | 6             | 5   |
|  |   | Business  | 0                                | 0   | 0         | 0   | 0           | 0   | 2             | 3   | 0                    | 0   | 1         | 2   | 1           | 2   | 1             | 1   |
|  |   | Communications, Media, & Public Relations         | 0                                | 0   | 2         | 8   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 1           | 2   | 0             | 0   |
|  |   | Education   | 7                                | 64  | 19        | 76  | 10          | 91  | 46            | 70  | 9                    | 90  | 31        | 69  | 36          | 67  | 84            | 74  |
|  |   | Engineering                                       | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Health Professions                                | 1                                | 9   | 1         | 4   | 0           | 0   | 3             | 5   | 0                    | 0   | 0         | 0   | 2           | 4   | 3             | 3   |
|  |   | Social Service Professions                        | 0                                | 0   | 0         | 0   | 1           | 9   | 3             | 5   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | All Other   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 2           | 4   | 2             | 2   |
|  |   | Undecided, Undeclared                             | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 1           | 2   | 0             | 0   |
|  |   | Total   | 11                               | 100 | 25        | 100 | 11          | 100 | 66            | 100 | 10                   | 100 | 45        | 100 | 54          | 100 | 114           | 100 |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

University of Minnesota Duluth

## Education

|  |               |                           | First-Year Students <sup>a</sup> |     |           |     |             |     |               |     | Seniors <sup>a</sup> |     |           |     |             |     |               |     |
|--|---------------|---------------------------|----------------------------------|-----|-----------|-----|-------------|-----|---------------|-----|----------------------|-----|-----------|-----|-------------|-----|---------------|-----|
|  |               |                           | UMD                              |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                  |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
| Item wording or description  | Variable name | Response options          | Count                            | %   | Count     | %   | Count       | %   | Count         | %   | Count                | %   | Count     | %   | Count       | %   | Count         | %   |
| 21. What is your class level?  | class         | Freshman/First-year       | 50                               | 100 | 159       | 85  | 106         | 92  | 448           | 85  | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |               | Sophomore                 | 0                                | 0   | 23        | 12  | 8           | 7   | 67            | 13  | 1                    | 2   | 1         | 0   | 0           | 0   | 6             | 1   |
|  |               | Junior                    | 0                                | 0   | 3         | 2   | 1           | 1   | 8             | 2   | 11                   | 19  | 23        | 8   | 22          | 11  | 59            | 7   |
|  |               | Senior                    | 0                                | 0   | 1         | 1   | 0           | 0   | 1             | 0   | 45                   | 78  | 263       | 89  | 169         | 87  | 743           | 89  |
|  |               | Unclassified              | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 1                    | 2   | 9         | 3   | 4           | 2   | 26            | 3   |
|  |               | Total                     | 50                               | 100 | 186       | 100 | 115         | 100 | 524           | 100 | 58                   | 100 | 296       | 100 | 195         | 100 | 834           | 100 |
| 22. Thinking about this current academic term, are you a full-time student?              | fulltime      | No                        | 0                                | 0   | 2         | 1   | 4           | 3   | 17            | 3   | 1                    | 2   | 21        | 7   | 10          | 5   | 104           | 13  |
|  |               | Yes                       | 49                               | 100 | 182       | 99  | 112         | 97  | 506           | 97  | 56                   | 98  | 273       | 93  | 184         | 95  | 726           | 87  |
|  |               | Total                     | 49                               | 100 | 184       | 100 | 116         | 100 | 523           | 100 | 57                   | 100 | 294       | 100 | 194         | 100 | 830           | 100 |
| 23a. How many courses are you taking for credit this current academic term?              | coursenum     | 0                         | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 4         | 1   | 0           | 0   | 36            | 4   |
|  |               | 1                         | 0                                | 0   | 0         | 0   | 0           | 0   | 1             | 0   | 6                    | 10  | 47        | 16  | 22          | 11  | 79            | 9   |
|  |               | 2                         | 0                                | 0   | 1         | 1   | 1           | 1   | 5             | 1   | 4                    | 7   | 31        | 10  | 29          | 15  | 95            | 11  |
|  |               | 3                         | 0                                | 0   | 1         | 1   | 1           | 1   | 13            | 2   | 6                    | 10  | 22        | 7   | 12          | 6   | 81            | 10  |
|  |               | 4                         | 7                                | 14  | 31        | 17  | 18          | 16  | 101           | 19  | 6                    | 10  | 48        | 16  | 40          | 21  | 139           | 17  |
|  |               | 5                         | 23                               | 46  | 79        | 42  | 55          | 47  | 221           | 42  | 12                   | 21  | 74        | 25  | 46          | 24  | 179           | 21  |
|  |               | 6                         | 12                               | 24  | 56        | 30  | 23          | 20  | 133           | 25  | 12                   | 21  | 40        | 14  | 20          | 10  | 116           | 14  |
|  |               | 7 or more                 | 8                                | 16  | 18        | 10  | 18          | 16  | 50            | 10  | 12                   | 21  | 30        | 10  | 26          | 13  | 108           | 13  |
|  |               | Total                     | 50                               | 100 | 186       | 100 | 116         | 100 | 524           | 100 | 58                   | 100 | 296       | 100 | 195         | 100 | 833           | 100 |
| b. Of these, how many are entirely online?   | onlinenum     | 0                         | 48                               | 98  | 159       | 86  | 105         | 91  | 411           | 79  | 35                   | 61  | 232       | 79  | 136         | 70  | 592           | 71  |
|  |               | 1                         | 0                                | 0   | 19        | 10  | 9           | 8   | 85            | 16  | 18                   | 32  | 46        | 16  | 48          | 25  | 159           | 19  |
|  |               | 2                         | 1                                | 2   | 4         | 2   | 1           | 1   | 15            | 3   | 2                    | 4   | 10        | 3   | 3           | 2   | 31            | 4   |
|  |               | 3                         | 0                                | 0   | 0         | 0   | 0           | 0   | 4             | 1   | 1                    | 2   | 7         | 2   | 2           | 1   | 16            | 2   |
|  |               | 4                         | 0                                | 0   | 0         | 0   | 1           | 1   | 4             | 1   | 1                    | 2   | 0         | 0   | 4           | 2   | 14            | 2   |
|  |               | 5                         | 0                                | 0   | 0         | 0   | 0           | 0   | 2             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 8             | 1   |
|  |               | 6                         | 0                                | 0   | 2         | 1   | 0           | 0   | 1             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 3             | 0   |
|  |               | 7 or more                 | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 1           | 1   | 9             | 1   |
|  |               | Total                     | 49                               | 100 | 184       | 100 | 116         | 100 | 522           | 100 | 57                   | 100 | 295       | 100 | 194         | 100 | 832           | 100 |
| Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum) | onlinecrscol  | No courses taken online   | 48                               | 98  | 159       | 86  | 105         | 91  | 411           | 79  | 35                   | 61  | 232       | 79  | 136         | 70  | 592           | 71  |
|  |               | Some courses taken online | 1                                | 2   | 24        | 13  | 10          | 9   | 103           | 20  | 20                   | 35  | 56        | 19  | 51          | 26  | 187           | 22  |
|  |               | All courses taken online  | 0                                | 0   | 1         | 1   | 1           | 1   | 8             | 2   | 2                    | 4   | 7         | 2   | 7           | 4   | 53            | 6   |
|  |               | Total                     | 49                               | 100 | 184       | 100 | 116         | 100 | 522           | 100 | 57                   | 100 | 295       | 100 | 194         | 100 | 832           | 100 |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

University of Minnesota Duluth

## Education

| Education  |                      |   | First-Year Students <sup>a</sup> |          |              |          |              |          |               |          | Seniors <sup>a</sup> |          |              |          |              |          |               |          |
|--|----------------------|---|----------------------------------|----------|--------------|----------|--------------|----------|---------------|----------|----------------------|----------|--------------|----------|--------------|----------|---------------|----------|
|  |                      |   | UMD                              |          | UMD Peers    |          | Competitors  |          | NSSE Carnegie |          | UMD                  |          | UMD Peers    |          | Competitors  |          | NSSE Carnegie |          |
| <i>Item wording or description</i>   | <i>Variable name</i> | <i>Response options</i>                                   | <i>Count</i>                     | <i>%</i> | <i>Count</i> | <i>%</i> | <i>Count</i> | <i>%</i> | <i>Count</i>  | <i>%</i> | <i>Count</i>         | <i>%</i> | <i>Count</i> | <i>%</i> | <i>Count</i> | <i>%</i> | <i>Count</i>  | <i>%</i> |
| 24. What have most of your grades been up to now at this institution?  | grades               | C- or lower   | 0                                | 0        | 0            | 0        | 3            | 3        | 7             | 1        | 0                    | 0        | 1            | 0        | 0            | 0        | 2             | 0        |
|  |                      | C   | 0                                | 0        | 2            | 1        | 5            | 4        | 8             | 2        | 0                    | 0        | 1            | 0        | 0            | 0        | 5             | 1        |
|  |                      | C+  | 1                                | 2        | 4            | 2        | 0            | 0        | 16            | 3        | 2                    | 3        | 4            | 1        | 0            | 0        | 6             | 1        |
|  |                      | B-  | 4                                | 8        | 11           | 6        | 4            | 3        | 25            | 5        | 0                    | 0        | 4            | 1        | 4            | 2        | 22            | 3        |
|  |                      | B   | 6                                | 12       | 37           | 20       | 27           | 23       | 95            | 18       | 9                    | 16       | 36           | 12       | 27           | 14       | 103           | 12       |
|  |                      | B+  | 11                               | 22       | 39           | 21       | 18           | 16       | 88            | 17       | 12                   | 21       | 50           | 17       | 31           | 16       | 121           | 15       |
|  |                      | A-  | 12                               | 24       | 36           | 19       | 20           | 17       | 85            | 16       | 20                   | 34       | 78           | 26       | 35           | 18       | 197           | 24       |
|  |                      | A   | 16                               | 32       | 56           | 30       | 39           | 34       | 200           | 38       | 15                   | 26       | 121          | 41       | 97           | 50       | 376           | 45       |
| Total  | 50                   | 100   | 185                              | 100      | 116          | 100      | 524          | 100      | 58            | 100      | 295                  | 100      | 194          | 100      | 832          | 100      |               |          |
| 25. Did you begin college at this institution or elsewhere?  | begincol             | Started here  | 48                               | 96       | 164          | 90       | 105          | 91       | 484           | 93       | 44                   | 76       | 160          | 55       | 112          | 58       | 436           | 52       |
|  |                      | Started elsewhere   | 2                                | 4        | 19           | 10       | 11           | 9        | 36            | 7        | 14                   | 24       | 133          | 45       | 82           | 42       | 396           | 48       |
|  |                      | Total   | 50                               | 100      | 183          | 100      | 116          | 100      | 520           | 100      | 58                   | 100      | 293          | 100      | 194          | 100      | 832           | 100      |
| 26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.) | attend_voc           | Vocational or technical school                            | 0                                | 0        | 4            | 2        | 2            | 2        | 7             | 1        | 2                    | 4        | 14           | 5        | 14           | 7        | 41            | 5        |
|  | attend_com           | Community or junior college                               | 3                                | 6        | 22           | 12       | 7            | 6        | 37            | 7        | 10                   | 18       | 133          | 45       | 59           | 30       | 345           | 42       |
|  | attend_col           | 4-year college or university other than this one          | 3                                | 6        | 10           | 5        | 8            | 7        | 27            | 5        | 9                    | 16       | 69           | 24       | 45           | 23       | 216           | 26       |
|  | attend_none          | None  | 45                               | 90       | 148          | 80       | 102          | 88       | 447           | 86       | 39                   | 68       | 119          | 41       | 105          | 54       | 337           | 41       |
|  | attend_other         | Other   | 0                                | 0        | 8            | 4        | 1            | 1        | 12            | 2        | 1                    | 2        | 7            | 2        | 6            | 3        | 23            | 3        |
| 27. What is the highest level of education you ever expect to complete?  | edaspire             | Some college but less than a bachelor's degree            | 2                                | 4        | 8            | 4        | 4            | 3        | 28            | 5        | 3                    | 5        | 15           | 5        | 6            | 3        | 38            | 5        |
|  |                      | Bachelor's degree (B.A., B.S., etc.)                      | 20                               | 42       | 62           | 34       | 52           | 45       | 202           | 39       | 13                   | 22       | 81           | 27       | 48           | 25       | 205           | 25       |
|  |                      | Master's degree (M.A., M.S., etc.)                        | 26                               | 54       | 99           | 54       | 56           | 49       | 257           | 50       | 39                   | 67       | 170          | 58       | 116          | 59       | 489           | 59       |
|  |                      | Doctoral or professional degree (Ph.D., J.D., M.D., etc.) | 0                                | 0        | 15           | 8        | 3            | 3        | 32            | 6        | 3                    | 5        | 29           | 10       | 25           | 13       | 101           | 12       |
|  |                      | Total   | 48                               | 100      | 184          | 100      | 115          | 100      | 519           | 100      | 58                   | 100      | 295          | 100      | 195          | 100      | 833           | 100      |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### University of Minnesota Duluth

#### Education

|  |   |   | First-Year Students <sup>a</sup> |     |           |     |             |     |               |     | Seniors <sup>a</sup> |     |           |     |             |     |               |     |
|--|---|---|----------------------------------|-----|-----------|-----|-------------|-----|---------------|-----|----------------------|-----|-----------|-----|-------------|-----|---------------|-----|
|  |   |   | UMD                              |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                  |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
| Item wording or description  | Variable name   | Response options  | Count                            | %   | Count     | %   | Count       | %   | Count         | %   | Count                | %   | Count     | %   | Count       | %   | Count         | %   |
| 28. What is the highest level of education completed by either of your parents (or those who raised you)?  | parented  | Did not finish high school                                | 1                                | 2   | 5         | 3   | 4           | 3   | 26            | 5   | 0                    | 0   | 5         | 2   | 6           | 3   | 23            | 3   |
|  |   | High school diploma or G.E.D.                             | 4                                | 8   | 15        | 8   | 9           | 8   | 93            | 18  | 4                    | 7   | 51        | 17  | 23          | 12  | 186           | 22  |
|  |   | Attended college, but did not complete degree             | 6                                | 12  | 20        | 11  | 18          | 16  | 71            | 14  | 6                    | 11  | 29        | 10  | 25          | 13  | 116           | 14  |
|  |   | Associate's degree (A.A., A.S., etc.)                     | 11                               | 22  | 32        | 17  | 17          | 15  | 68            | 13  | 12                   | 21  | 50        | 17  | 44          | 23  | 116           | 14  |
|  |   | Bachelor's degree (B.A., B.S., etc.)                      | 15                               | 30  | 67        | 37  | 50          | 43  | 173           | 33  | 19                   | 33  | 93        | 32  | 60          | 31  | 218           | 26  |
|  |   | Master's degree (M.A., M.S., etc.)                        | 11                               | 22  | 35        | 19  | 16          | 14  | 74            | 14  | 14                   | 25  | 51        | 17  | 31          | 16  | 147           | 18  |
|  |   | Doctoral or professional degree (Ph.D., J.D., M.D., etc.) | 2                                | 4   | 9         | 5   | 1           | 1   | 15            | 3   | 2                    | 4   | 15        | 5   | 6           | 3   | 25            | 3   |
|  |   | Total   | 50                               | 100 | 183       | 100 | 115         | 100 | 520           | 100 | 57                   | 100 | 294       | 100 | 195         | 100 | 831           | 100 |
| First-generation status (No parent holds a bachelor's degree)  | firstgen<br>(Recoded from parented)                           | Not first-generation                                      | 28                               | 56  | 111       | 61  | 67          | 58  | 262           | 50  | 35                   | 61  | 159       | 54  | 97          | 50  | 390           | 47  |
|  |   | First-generation  | 22                               | 44  | 72        | 39  | 48          | 42  | 258           | 50  | 22                   | 39  | 135       | 46  | 98          | 50  | 441           | 53  |
|  |   | Total   | 50                               | 100 | 183       | 100 | 115         | 100 | 520           | 100 | 57                   | 100 | 294       | 100 | 195         | 100 | 831           | 100 |
| 29. What is your gender identity?  | genderid  | Man   | 9                                | 18  | 24        | 13  | 17          | 15  | 85            | 16  | 11                   | 19  | 40        | 14  | 50          | 26  | 175           | 21  |
|  |   | Woman   | 40                               | 80  | 161       | 87  | 99          | 85  | 435           | 83  | 44                   | 77  | 251       | 85  | 140         | 72  | 650           | 78  |
|  |   | Another gender identity                                   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 1                    | 2   | 0         | 0   | 1           | 1   | 1             | 0   |
|  |   | I prefer not to respond                                   | 1                                | 2   | 0         | 0   | 0           | 0   | 1             | 0   | 1                    | 2   | 4         | 1   | 4           | 2   | 6             | 1   |
|  |   | Total   | 50                               | 100 | 185       | 100 | 116         | 100 | 521           | 100 | 57                   | 100 | 295       | 100 | 195         | 100 | 832           | 100 |
| 30. Enter your year of birth (e.g., 1994):   | agecat<br>(Recoded from the information entered in birthyear) | 19 or younger   | 49                               | 98  | 177       | 96  | 109         | 94  | 481           | 93  | 1                    | 2   | 0         | 0   | 3           | 2   | 0             | 0   |
|  |   | 20-23   | 0                                | 0   | 5         | 3   | 3           | 3   | 24            | 5   | 49                   | 86  | 232       | 79  | 143         | 74  | 546           | 66  |
|  |   | 24-29   | 1                                | 2   | 2         | 1   | 3           | 3   | 10            | 2   | 5                    | 9   | 23        | 8   | 22          | 11  | 133           | 16  |
|  |   | 30-39   | 0                                | 0   | 0         | 0   | 0           | 0   | 2             | 0   | 2                    | 4   | 21        | 7   | 12          | 6   | 86            | 10  |
|  |   | 40-55   | 0                                | 0   | 0         | 0   | 1           | 1   | 2             | 0   | 0                    | 0   | 15        | 5   | 10          | 5   | 53            | 6   |
|  |   | Over 55   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 1         | 0   | 3           | 2   | 5             | 1   |
|  |   | Total   | 50                               | 100 | 184       | 100 | 116         | 100 | 519           | 100 | 57                   | 100 | 292       | 100 | 193         | 100 | 823           | 100 |
| 31a. Are you an international student?   | internat  | No  | 49                               | 100 | 181       | 99  | 113         | 98  | 515           | 99  | 57                   | 100 | 291       | 100 | 192         | 99  | 821           | 100 |
|  |   | Yes   | 0                                | 0   | 1         | 1   | 2           | 2   | 4             | 1   | 0                    | 0   | 1         | 0   | 2           | 1   | 3             | 0   |
|  |   | Total   | 49                               | 100 | 182       | 100 | 115         | 100 | 519           | 100 | 57                   | 100 | 292       | 100 | 194         | 100 | 824           | 100 |
| International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question. | countrycol<br>(Recoded from country.)                         | Africa Sub-Saharan  | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Asia  | 0                                | 0   | 0         | 0   | 2           | 100 | 2             | 50  | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Canada  | 0                                | 0   | 1         | 100 | 0           | 0   | 1             | 25  | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Europe  | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 1           | 100 | 2             | 67  |
|  |   | Latin America and Caribbean                               | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 1         | 100 | 0           | 0   | 0             | 0   |
|  |   | Middle East and North Africa                              | 0                                | 0   | 0         | 0   | 0           | 0   | 1             | 25  | 0                    | 0   | 0         | 0   | 0           | 0   | 1             | 33  |
|  |   | Oceania   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Unknown region/uncoded                                    | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |   | Total   | 0                                | 0   | 1         | 100 | 2           | 100 | 4             | 100 | 0                    | 0   | 1         | 100 | 1           | 100 | 3             | 100 |



# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

University of Minnesota Duluth

## Education

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

| Item wording<br>or description  | Variable<br>name                | Response options  | First-Year Students <sup>a</sup> |     |           |     |             |     |               |     | Seniors <sup>a</sup> |     |           |     |             |     |               |     |
|---|---------------------------------|---|----------------------------------|-----|-----------|-----|-------------|-----|---------------|-----|----------------------|-----|-----------|-----|-------------|-----|---------------|-----|
|   |                                 |   | UMD                              |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                  |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
|   |                                 |   | Count                            | %   | Count     | %   | Count       | %   | Count         | %   | Count                | %   | Count     | %   | Count       | %   | Count         | %   |
| 32. What is your racial or ethnic identification? (Select all that apply.)                    | re_amind                        | American Indian or Alaska Native  | 0                                | 0   | 2         | 1   | 1           | 1   | 3             | 1   | 0                    | 0   | 5         | 2   | 4           | 2   | 11            | 1   |
|   | re_asian                        | Asian   | 2                                | 4   | 7         | 4   | 7           | 6   | 13            | 2   | 0                    | 0   | 8         | 3   | 4           | 2   | 13            | 2   |
|   | re_black                        | Black or African American   | 1                                | 2   | 12        | 6   | 1           | 1   | 25            | 5   | 0                    | 0   | 9         | 3   | 0           | 0   | 17            | 2   |
|   | re_latino                       | Hispanic or Latino  | 1                                | 2   | 7         | 4   | 7           | 6   | 31            | 6   | 1                    | 2   | 5         | 2   | 8           | 4   | 39            | 5   |
|   | re_pacific                      | Native Hawaiian or Other Pacific Islander   | 0                                | 0   | 0         | 0   | 0           | 0   | 1             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 1             | 0   |
|   | re_white                        | White   | 47                               | 94  | 161       | 87  | 102         | 88  | 461           | 88  | 53                   | 93  | 264       | 90  | 177         | 91  | 752           | 91  |
|   | re_other                        | Other   | 0                                | 0   | 1         | 1   | 0           | 0   | 3             | 1   | 0                    | 0   | 4         | 1   | 2           | 1   | 10            | 1   |
|   | re_pnr                          | I prefer not to respond   | 2                                | 4   | 4         | 2   | 1           | 1   | 11            | 2   | 3                    | 5   | 8         | 3   | 7           | 4   | 23            | 3   |
|   | Racial or ethnic identification | re_all  | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 1         | 0   | 0           | 0   | 2             | 0   |
|   |                                 | (Recoded from re_amind through re_pnr where each student is represented only once)  | 1                                | 2   | 4         | 2   | 5           | 4   | 8             | 2   | 0                    | 0   | 6         | 2   | 4           | 2   | 9             | 1   |
| 33. Are you a member of a social fraternity or sorority?                                      | re_amind                        | Black or African American   | 0                                | 0   | 10        | 5   | 1           | 1   | 17            | 3   | 0                    | 0   | 7         | 2   | 0           | 0   | 11            | 1   |
|   | re_pnr                          | Hispanic or Latino  | 0                                | 0   | 6         | 3   | 6           | 5   | 24            | 5   | 1                    | 2   | 3         | 1   | 6           | 3   | 23            | 3   |
|   |                                 | Native Hawaiian/Other Pac. Islander   | 0                                | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 1             | 0   |
|   |                                 | White   | 44                               | 88  | 152       | 82  | 100         | 86  | 439           | 84  | 53                   | 93  | 255       | 87  | 170         | 87  | 720           | 87  |
|   |                                 | Other   | 0                                | 0   | 0         | 0   | 0           | 0   | 1             | 0   | 0                    | 0   | 3         | 1   | 1           | 1   | 6             | 1   |
|   |                                 | Multiracial   | 3                                | 6   | 9         | 5   | 3           | 3   | 23            | 4   | 0                    | 0   | 10        | 3   | 7           | 4   | 34            | 4   |
|   |                                 | I prefer not to respond   | 2                                | 4   | 4         | 2   | 1           | 1   | 11            | 2   | 3                    | 5   | 8         | 3   | 7           | 4   | 23            | 3   |
|   |                                 | Total   | 50                               | 100 | 185       | 100 | 116         | 100 | 523           | 100 | 57                   | 100 | 293       | 100 | 195         | 100 | 829           | 100 |
|   |                                 |   | 47                               | 94  | 170       | 92  | 111         | 96  | 468           | 90  | 55                   | 96  | 278       | 95  | 183         | 97  | 760           | 92  |
|   |                                 | Yes   | 3                                | 6   | 15        | 8   | 5           | 4   | 54            | 10  | 2                    | 4   | 15        | 5   | 5           | 3   | 70            | 8   |
| 34. Which of the following best describes where you are living while attending college?       | Total                           |   | 50                               | 100 | 185       | 100 | 116         | 100 | 522           | 100 | 57                   | 100 | 293       | 100 | 188         | 100 | 830           | 100 |
|   | living                          | Dormitory or other campus housing (not fraternity or sorority house)                | 43                               | 86  | 153       | 83  | 93          | 80  | 309           | 59  | 6                    | 11  | 51        | 17  | 15          | 8   | 91            | 11  |
|   |                                 | Fraternity or sorority house  | 0                                | 0   | 0         | 0   | 0           | 0   | 8             | 2   | 0                    | 0   | 2         | 1   | 3           | 2   | 8             | 1   |
|   |                                 | Residence (house, apartment, etc.) within walking distance to the institution       | 4                                | 8   | 14        | 8   | 7           | 6   | 38            | 7   | 18                   | 32  | 90        | 31  | 83          | 43  | 203           | 25  |
|   |                                 | Residence (house, apartment, etc.) farther than walking distance to the institution | 3                                | 6   | 17        | 9   | 15          | 13  | 148           | 28  | 33                   | 58  | 141       | 48  | 84          | 43  | 485           | 59  |
|   |                                 | None of the above   | 0                                | 0   | 1         | 1   | 1           | 1   | 18            | 3   | 0                    | 0   | 8         | 3   | 9           | 5   | 40            | 5   |
|   |                                 | Total   | 50                               | 100 | 185       | 100 | 116         | 100 | 521           | 100 | 57                   | 100 | 292       | 100 | 194         | 100 | 827           | 100 |
|   |                                 |   | 47                               | 94  | 176       | 95  | 109         | 95  | 499           | 96  | 56                   | 98  | 279       | 96  | 186         | 96  | 788           | 96  |
|   |                                 | Yes   | 3                                | 6   | 9         | 5   | 6           | 5   | 21            | 4   | 1                    | 2   | 12        | 4   | 8           | 4   | 35            | 4   |
|   |                                 | Total   | 50                               | 100 | 185       | 100 | 115         | 100 | 520           | 100 | 57                   | 100 | 291       | 100 | 194         | 100 | 823           | 100 |
| 35. Are you a student-athlete on a team sponsored by your institution's athletics department? | athlete                         | No  | 47                               | 94  | 176       | 95  | 109         | 95  | 499           | 96  | 56                   | 98  | 279       | 96  | 186         | 96  | 788           | 96  |
|   |                                 | Yes   | 3                                | 6   | 9         | 5   | 6           | 5   | 21            | 4   | 1                    | 2   | 12        | 4   | 8           | 4   | 35            | 4   |
|   |                                 | Total   | 50                               | 100 | 185       | 100 | 115         | 100 | 520           | 100 | 57                   | 100 | 291       | 100 | 194         | 100 | 823           | 100 |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

## Respondent Profile: Education

### University of Minnesota Duluth

#### Education

#### First-Year Students<sup>a</sup>

#### Seniors<sup>a</sup>

|  |                  |  | First-Year Students <sup>a</sup> |     |           |     |             |     |               |     | Seniors <sup>a</sup> |     |           |     |             |     |               |     |
|--|------------------|--|----------------------------------|-----|-----------|-----|-------------|-----|---------------|-----|----------------------|-----|-----------|-----|-------------|-----|---------------|-----|
|  |                  |  | UMD                              |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD                  |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
| Item wording or description  | Variable name    | Response options                             | Count                            | %   | Count     | %   | Count       | %   | Count         | %   | Count                | %   | Count     | %   | Count       | %   | Count         | %   |
| 36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?                      | veteran          | No   | 48                               | 96  | 185       | 100 | 115         | 100 | 517           | 99  | 55                   | 96  | 285       | 98  | 186         | 97  | 801           | 98  |
|  |                  | Yes  | 2                                | 4   | 0         | 0   | 0           | 0   | 3             | 1   | 2                    | 4   | 6         | 2   | 5           | 3   | 20            | 2   |
|  |                  | Total  | 50                               | 100 | 185       | 100 | 115         | 100 | 520           | 100 | 57                   | 100 | 291       | 100 | 191         | 100 | 821           | 100 |
| 37a. Have you been diagnosed with any disability or impairment?  | disability       | No   | 40                               | 82  | 156       | 84  | 99          | 85  | 450           | 86  | 48                   | 84  | 262       | 89  | 171         | 88  | 729           | 88  |
|  |                  | Yes  | 8                                | 16  | 26        | 14  | 14          | 12  | 54            | 10  | 8                    | 14  | 25        | 9   | 19          | 10  | 75            | 9   |
|  |                  | I prefer not to respond                      | 1                                | 2   | 3         | 2   | 3           | 3   | 19            | 4   | 1                    | 2   | 6         | 2   | 5           | 3   | 23            | 3   |
|  |                  | Total  | 49                               | 100 | 185       | 100 | 116         | 100 | 523           | 100 | 57                   | 100 | 293       | 100 | 195         | 100 | 827           | 100 |
| b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)                         | dis_sense        | A sensory impairment (vision or hearing)     | 0                                | 0   | 8         | 31  | 2           | 14  | 10            | 19  | 1                    | 13  | 1         | 4   | 0           | 0   | 7             | 9   |
|  | dis_mobility     | A mobility impairment                        | 0                                | 0   | 1         | 4   | 0           | 0   | 2             | 4   | 0                    | 0   | 0         | 0   | 0           | 0   | 8             | 11  |
|  | dis_learning     | A learning disability (e.g., ADHD, dyslexia) | 5                                | 63  | 4         | 15  | 6           | 43  | 22            | 41  | 3                    | 38  | 13        | 52  | 9           | 47  | 36            | 49  |
|  | dis_mental       | A mental health disorder                     | 3                                | 38  | 12        | 46  | 5           | 36  | 21            | 39  | 4                    | 50  | 9         | 36  | 10          | 53  | 19            | 26  |
|  | dis_other        | A disability or impairment not listed above  | 1                                | 13  | 4         | 15  | 1           | 7   | 9             | 17  | 0                    | 0   | 5         | 20  | 1           | 5   | 12            | 16  |
| Disability or impairment   | disability_all   | A sensory impairment                         | 0                                | 0   | 7         | 4   | 2           | 2   | 8             | 2   | 1                    | 2   | 1         | 0   | 0           | 0   | 5             | 1   |
|  | (Recoded from    | A mobility impairment                        | 0                                | 0   | 1         | 1   | 0           | 0   | 2             | 0   | 0                    | 0   | 0         | 0   | 0           | 0   | 8             | 1   |
|  | disability and   | A learning disability                        | 5                                | 10  | 2         | 1   | 6           | 5   | 13            | 2   | 3                    | 5   | 11        | 4   | 8           | 4   | 29            | 4   |
|  | dis_sense        | A mental health disorder                     | 2                                | 4   | 9         | 5   | 5           | 4   | 12            | 2   | 4                    | 7   | 6         | 2   | 9           | 5   | 13            | 2   |
|  | through          | A disability or impairment not listed        | 0                                | 0   | 4         | 2   | 1           | 1   | 9             | 2   | 0                    | 0   | 4         | 1   | 1           | 1   | 11            | 1   |
|  | dis_other where  | More than one disability or                  | 1                                | 2   | 3         | 2   | 0           | 0   | 10            | 2   | 0                    | 0   | 3         | 1   | 1           | 1   | 8             | 1   |
|  | each student is  | impairment                                   |                                  |     |           |     |             |     |               |     |                      |     |           |     |             |     |               |     |
|  | represented only | No disability or impairment                  | 40                               | 82  | 156       | 84  | 99          | 85  | 450           | 86  | 48                   | 84  | 262       | 89  | 171         | 88  | 729           | 88  |
|  | once)            | Prefer not to respond                        | 1                                | 2   | 3         | 2   | 3           | 3   | 19            | 4   | 1                    | 2   | 6         | 2   | 5           | 3   | 23            | 3   |
|  |                  | Total  | 49                               | 100 | 185       | 100 | 116         | 100 | 523           | 100 | 57                   | 100 | 293       | 100 | 195         | 100 | 826           | 100 |
| 38. Which of the following best describes your sexual orientation? (Question administered per institution request) | sexorient14      | Heterosexual                                 | 44                               | 88  | 127       | 90  | 60          | 92  | 182           | 85  | 51                   | 89  | 239       | 93  | 88          | 85  | 308           | 92  |
|  |                  | Gay  | 0                                | 0   | 0         | 0   | 1           | 2   | 1             | 0   | 2                    | 4   | 2         | 1   | 3           | 3   | 5             | 1   |
|  |                  | Lesbian                                      | 0                                | 0   | 0         | 0   | 0           | 0   | 2             | 1   | 2                    | 4   | 3         | 1   | 3           | 3   | 2             | 1   |
|  |                  | Bisexual                                     | 2                                | 4   | 5         | 4   | 1           | 2   | 9             | 4   | 0                    | 0   | 3         | 1   | 2           | 2   | 6             | 2   |
|  |                  | Another sexual orientation                   | 0                                | 0   | 0         | 0   | 0           | 0   | 4             | 2   | 0                    | 0   | 2         | 1   | 1           | 1   | 2             | 1   |
|  |                  | Questioning or unsure                        | 1                                | 2   | 2         | 1   | 1           | 2   | 2             | 1   | 0                    | 0   | 0         | 0   | 1           | 1   | 1             | 0   |
|  |                  | I prefer not to respond                      | 3                                | 6   | 7         | 5   | 2           | 3   | 13            | 6   | 2                    | 4   | 7         | 3   | 5           | 5   | 12            | 4   |
|  |                  | Total  | 50                               | 100 | 141       | 100 | 65          | 100 | 213           | 100 | 57                   | 100 | 256       | 100 | 103         | 100 | 336           | 100 |

# NSSE 2016 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Education

University of Minnesota Duluth

## Education

### First-Year Students<sup>a</sup>

### Seniors<sup>a</sup>

| Item wording<br>or description   | Variable<br>name | Response options                    | UMD   |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     | UMD   |     | UMD Peers |     | Competitors |     | NSSE Carnegie |     |
|--|------------------|-------------------------------------|-------|-----|-----------|-----|-------------|-----|---------------|-----|-------|-----|-----------|-----|-------------|-----|---------------|-----|
|  |                  |                                     | Count | %   | Count     | %   | Count       | %   | Count         | %   | Count | %   | Count     | %   | Count       | %   | Count         | %   |
| Institution-reported information                                       |                  |                                     |       |     |           |     |             |     |               |     |       |     |           |     |             |     |               |     |
| (Variables provided by your institution in your NSSE population file.) |                  |                                     |       |     |           |     |             |     |               |     |       |     |           |     |             |     |               |     |
| Institution-reported sex   | IRsex            | Female                              | 41    | 82  | 162       | 86  | 99          | 85  | 444           | 84  | 46    | 79  | 252       | 85  | 143         | 73  | 656           | 78  |
|  |                  | Male                                | 9     | 18  | 27        | 14  | 17          | 15  | 84            | 16  | 12    | 21  | 44        | 15  | 52          | 27  | 181           | 22  |
|  |                  | Total                               | 50    | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
| Institution-reported race or ethnicity                                 | IRrace           | American Indian or Alaska Native    | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 1     | 2   | 1         | 0   | 0           | 0   | 1             | 0   |
|  |                  | Asian                               | 2     | 4   | 2         | 1   | 3           | 3   | 7             | 1   | 0     | 0   | 5         | 2   | 5           | 3   | 11            | 1   |
|  |                  | Black or African American           | 1     | 2   | 6         | 4   | 1           | 1   | 18            | 3   | 0     | 0   | 6         | 2   | 2           | 1   | 15            | 2   |
|  |                  | Hispanic or Latino                  | 1     | 2   | 4         | 2   | 6           | 5   | 34            | 6   | 1     | 2   | 8         | 3   | 8           | 4   | 40            | 5   |
|  |                  | Native Hawaiian/Other Pac. Islander | 0     | 0   | 0         | 0   | 1           | 1   | 0             | 0   | 0     | 0   | 0         | 0   | 0           | 0   | 1             | 0   |
|  |                  | White                               | 46    | 92  | 134       | 83  | 100         | 86  | 429           | 81  | 56    | 97  | 234       | 88  | 173         | 89  | 721           | 87  |
|  |                  | Other                               | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Foreign or nonresident alien        | 0     | 0   | 1         | 1   | 2           | 2   | 3             | 1   | 0     | 0   | 0         | 0   | 1           | 1   | 3             | 0   |
|  |                  | Two or more races/ethnicities       | 0     | 0   | 7         | 4   | 1           | 1   | 26            | 5   | 0     | 0   | 4         | 2   | 1           | 1   | 17            | 2   |
|  |                  | Unknown                             | 0     | 0   | 7         | 4   | 2           | 2   | 10            | 2   | 0     | 0   | 8         | 3   | 5           | 3   | 20            | 2   |
|  | Total            | 50                                  | 100   | 161 | 100       | 116 | 100         | 527 | 100           | 58  | 100   | 266 | 100       | 195 | 100         | 829 | 100           |     |
| Institution-reported class level                                       | IRclass          | Freshman/First-Year                 | 50    | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Sophomore                           | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Junior                              | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Senior                              | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
|  |                  | Other                               | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Total                               | 50    | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
| Institution-reported first-time first-year (FTFY) status               | IRftfy           | No                                  | 1     | 2   | 13        | 7   | 7           | 6   | 54            | 10  | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
|  |                  | Yes                                 | 49    | 98  | 176       | 93  | 109         | 94  | 474           | 90  | 0     | 0   | 0         | 0   | 0           | 0   | 0             | 0   |
|  |                  | Total                               | 50    | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |
| Institution-reported enrollment status                                 | IRenrollment     | Not full-time                       | 0     | 0   | 1         | 1   | 3           | 3   | 14            | 3   | 0     | 0   | 25        | 8   | 15          | 8   | 106           | 13  |
|  |                  | Full-time                           | 50    | 100 | 188       | 99  | 113         | 97  | 514           | 97  | 58    | 100 | 271       | 92  | 180         | 92  | 731           | 87  |
|  |                  | Total                               | 50    | 100 | 189       | 100 | 116         | 100 | 528           | 100 | 58    | 100 | 296       | 100 | 195         | 100 | 837           | 100 |

## Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean  $\pm 1.96 \times \text{SEM}$ .
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the  $t$ -tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance:  $*p < .05$ ,  $**p < .01$ ,  $***p < .001$  (2-tailed).
- g. Cohen's  $d$ : The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i.  $*p < .05$ ,  $**p < .01$ ,  $***p < .001$  ( $z$ -test comparing participation rates).
- j. Cohen's  $h$ : The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a  $z$ -test.
- l. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent  $t$ -tests uses Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ .
- o. Statistical comparison uses  $z$ -test to compare the percentage who responded "Done or in progress."

### Key to symbols:

- ▲ Your students' average was significantly higher ( $p < .05$ ) with an effect size at least .3 in magnitude.
- ▲ Your students' average was significantly higher ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ Your students' average was significantly lower ( $p < .05$ ) with an effect size less than .3 in magnitude.
- ▼ Your students' average was significantly lower ( $p < .05$ ) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

**Reference:** Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.