The institutions (60+) surveyed were evenly split

21 (1/3) were in the top half of US News Nationally Ranked Liberal Arts Schools:
Avg Endowment $478,953,638
# of Schools on Pope* List: 6
Total Responses: 106

21 (1/3) were in the bottom half of US News Nationally Ranked Liberal Arts Schools:
Avg Endowment $137,647,423
# of Schools on Pope* List: 14
Total Responses: 118

21 Schools Not Ranked by US News in the nationwide listing:
Avg Endowment $102,500,689
# of Schools on Pope* List: 8
Total Responses: 79

INSTITUTION ENDOWMENT COMPARISONS
Small Endowment: >= $1 And < $107000000
Average Endowment: >= $107000000 And < $250000000
Large Endowment: >= $250000000
Survey Questions 13, 20, 22, 24, 26, 27, 28, 29, 30, 31, 33, 35

GC: Greatest Concentration TTF: Tenure-Track Faculty CC: Course Credit
CR: Course Release GWS: Grant Writing Support SR: Special Recognition

* Colleges that Change Lives by Loren Pope http://www.ctcl.com/
INSTITUTION ENDOWMMENT COMPARISONS

Small Endowment: >= $1 And < $107000000
Average Endowment: >= $107000000 And < $250000000
Large Endowment: >= $250000000

Survey Questions 13, 20, 22, 24, 26, 27, 28, 29, 30, 31, 33, 35

GC: Greatest Concentration TTF: Tenure-Track Faculty CC: Course Credit
CR: Course Release GWS: Grant Writing Support SR: Special Recognition

Small Endowment SUMMARY

Approximate Total Student Body Sizes ranges from under 1000 to above 2500, GC: 1001-1500
1. Standard Course Load Per Year for TTF ranges from 4 to 8, GC: 6
2. Average CC Given to TTF for Labs, GC: 1
3. CR for Funded Research, GC: No
4. CR for Research Common, GC: No
5. Internal Funds Available Annually for each TTF for Research & Travel ranges from less than $1000 to $3000, GC: less than $1000
6. Sig Research w/ Students AND Monitoring Mult Internships Recognized as Course for TTF, GC: No
7. Institution GWS, GC: Indiv. or Few Staff
8. Research Recognized as Sig in Annual Reviews AND Important for Promotion for TTF, GC: Yes
9. Faculty Research Rewarded by SR, GC: Yes

Average Endowment SUMMARY

1. Approximate Total Student Body Sizes ranges from under 1000 to above 2500, GC: 1001-1500
2. Standard Course Load Per Year for TTF ranges from 4 to 7, GC: 5
3. Average CC Given to TTF for Labs, GC: 1
4. CR for Funded Research, GC: No
5. CR for Research Common, GC: No
6. Internal Funds Available Annually for each TTF for Research & Travel ranges from less than $1000 to $3000, GC: $1000-$3000
7. Sig Research w/ Students AND Monitoring Mult Internships Recognized as Course for TTF, GC: No
8. Institution GWS, GC: Indiv. or Few Staff
9. Research Recognized as Sig in Annual Reviews AND Important for Promotion for TTF, GC: Yes
10. Faculty Research Rewarded by SR, GC: Yes

Large Endowment SUMMARY

1. Approximate Total Student Body Sizes ranges from 1001 to above 2500, GC: 1501-2000
2. Standard Course Load Per Year for TTF ranges from less than 4 to 6, GC: 5
3. Average CC Given to TTF for Labs, GC: 1 (9 responses for 1, 8 responses for 1/2)
4. CR for Funded Research, GC: No
5. CR for Research Common, GC: No
6. Internal Funds Available Annually for each TTF for Research & Travel ranges from less than $1000 to greater than $3000, GC: $1000-$3000
7. Sig Research w/ Students AND Monitoring Mult Internships Recognized as Course for TTF, GC:
8. Institution GWS, GC: Indiv. or Few Staff
9. Research Recognized as Sig in Annual Reviews AND Important for Promotion for TTF, GC: Yes
10. Faculty Research Rewarded by SR, GC: No
In correlation with the laboratory question there were 17 institutions with a “light” teaching load (4 course load or 5 course load which included laboratories as a full course). These institutions have an average endowment of $325,000,000.

There were 18 institutions with a “heavy” teaching load (a 7 or 8 course load and also 6 course load institutions where the lab was included as part of the course with no extra compensation). These
institutions have an average endowment of $125,000,000. Only three of these institutions have an endowment over $200,000,000.
US NEW RANKED & NOT RANKED INSTITUTION COMPARISONS
Survey Questions 13, 20, 22, 24, 26, 27, 28, 29, 30, 31, 33, 35

GC: Greatest Concentration TTF: Tenure-Track Faculty CC: Course Credit CR: Course Release GWS: Grant Writing Support SR: Special Recognition

US NEWS RANKED SUMMARY

1. Approximate Total Student Body Sizes ranges from under 1000 to above 2500, GC: 1001-1500
2. Standard Course Load Per Year for TTF ranges from 4 to 6, GC: 5
3. Average CC Given to TTF for Labs, GC: 1
4. CR for Funded Research, GC: No
5. CR for Research Common, GC: No
6. Internal Funds Available Annually for each TTF for Research & Travel ranges from less than $1000 to greater than $3000, GC: $1000-$3000
7. Sig Research w/ Students AND Monitoring Mult Internships Recognized as Course for TTF, GC: No
8. Institution GWS, GC: Indiv. or Few Staff
9. Research Recognized as Sig in Annual Reviews AND Important for Promotion for TTF, GC: Yes
10. Faculty Research Rewarded by SR, GC: No
US NEWS NOT RANKED SUMMARY

1. Approximate Total Student Body Sizes ranges from under 1000 to above 2500, EVEN CONCENTRATIONS: under 1000, 1501-2000, 2000-2500, and above 2500
2. Standard Course Load Per Year for TTF ranges from less than 4 to 8, GC: 6
3. Average CC Given to TTF for Labs, GC: 1
4. CR for Funded Research, GC: No
5. CR for Research Common, GC: No
6. Internal Funds Available Annually for each TTF for Research & Travel ranges from less than $1000 to $3000, GC: less than $1000
7. Sig Research w/ Students AND Monitoring Mult Internships Recognized as Course for TTF, GC: No
8. Institution GWS, GC: Indiv. or Few Staff
9. Research Recognized as Sig in Annual Reviews AND Important for Promotion for TTF, GC: Yes
10. Faculty Research Rewarded by SR, EVEN CONCENTRATIONS: Yes & No
Standard Annual Course Load for Tenure-Track Faculty at Schools Not Ranked by US News

- 11% for less than 4
- 22% for 4
- 22% for 5
- 33% for 6
- 22% for 7
- 6% for 8

Standard Annual Course Load for Tenure-Track Faculty at US News Ranked Schools

- 49% for less than 4
- 29% for 4
- 20% for 5
- 6% for 6
- 6% for 7
- 2% for 8

Available Internal Funds for Research & Travel at US News Ranked Schools

- 72% for less than $1000
- 24% for $1000-$3000
- 4% for > $3000

Available Internal Funds for Research & Travel at Schools Not Ranked by US News

- 67% for less than $1000
- 33% for $1000-$3000
- 10% for > $3000
Course Credit Given to Tenure-Track Faculty for Laboratories at Schools Not Ranked by US News

- 50%: 1/2 course
- 33%: 1 course
- 17%: Other

Course Credit Given to Tenure-Track Faculty for Laboratories at US News Ranked Schools

- 44%: 1/2 course
- 38%: 1 course
- 18%: Other

Intro Course Size at Schools Ranked by US News

- 50%: <15
- 28%: 15-30
- 18%: 31-50
- 3%: 51-100
- 1%: >100

Intro Course Size at Schools Not Ranked by US News

- 57%: <15
- 21%: 15-30
- 10%: 31-50
- 9%: 51-100
- 3%: >100
DEPARTMENT COMPARISONS
Survey Questions 4, 5, 6, 7, 8, 9, 11

GC: Greatest Concentration  FT: Full-Time  TTF: Tenure-Track Faculty  S/A: Secretaries/Assistants  A/L/V: Adjuncts/Lecturers/Visitors TS: Technical Staff

BIOLOGY SUMMARY
1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to greater than 100, TIED GC: 26-50 & 51-100
2. Approximate Number of Students That Graduate in Dept ranges from 11 to 100, GC: 16-25
3. Number of FT TTF in Dept ranges from less than 5 to 15, GC: 6-10
4. Number of S/A in Dept ranges from none to 3, GC: 1
5. Number of FT A/L/V in Dept ranges from none to 3, GC: 1
6. Number of TS in Dept ranges from none to 6, GC: 1
7. Average Size of Introductory Course in Major ranges from 16 to greater than 100, GC: 16-30

BIOCHEMISTRY SUMMARY
1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from 6 to 50, EVEN CONCENTRATIONS: 6-10 & 26-50
2. Approximate Number of Students That Graduate in Dept ranges from 6 to 50, EVEN CONCENTRATIONS: 6-10 & 26-50
3. Number of FT TTF in Dept ranges from less than 5 to 10, EVEN CONCENTRATIONS: less 5 & 6-10
4. Number of S/A in Dept ranges from none to 1, EVEN CONCENTRATIONS: none & 1
5. Number of FT A/L/V in Dept ranges from none to 1, EVEN CONCENTRATIONS: none & 1
6. Number of TS in Dept ranges from none to 1, EVEN CONCENTRATIONS: none & 1
7. Average Size of Introductory Course in Major ranges from 16 to greater than 100, GC: 16-30

CHEMISTRY SUMMARY
1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 50, GC: 16-25
2. Approximate Number of Students That Graduate in Dept ranges from 6 to 50, GC: 6-10
3. Number of FT TTF in Dept ranges from less than 5 to 15, GC: 6-10
4. Number of S/A in Dept ranges from none to 2, GC: 1
5. Number of FT A/L/V in Dept ranges from none to 6, GC: 1
6. Number of TS in Dept ranges from none to 6, GC: 1
7. Average Size of Introductory Course in Major ranges from 16 to greater than 100, GC: 31-50

COMPUTER SCIENCE SUMMARY
1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 50, GC: 6-10
2. Approximate Number of Students That Graduate in Dept ranges from less than 5 to 25, GC: 6-10
3. Number of FT TTF in Dept ranges from less than 5 to 10, GC: less than 5
4. Number of S/A in Dept ranges from none to 2, GC: 1
5. Number of FT A/L/V in Dept ranges from none to 6, GC: none
6. Number of TS in Dept ranges from none to 1, GC: 1
7. Average Size of Introductory Course in Major of 16-30, GC: 16-30
ENVIRONMENTAL SCIENCE SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from 16 to 100, EVEN CONCENTRATIONS: 16-25 & 51-100
2. Approximate Number of Students That Graduate in Dept of 16-25, GC: 16-25
3. Number of FT TTF in Dept ranges from less than 5 to 10, EVEN CONCENTRATIONS: less than 5 & 6-10
4. Number of S/A in Dept of none, GC: none
5. Number of FT A/L/V in Dept ranges from none to 1, EVEN CONCENTRATIONS: none & 1
6. Number of TS in Dept ranges from none to 3, EVEN CONCENTRATIONS: none & 2-3
7. Average Size of Introductory Course in Major ranges from 16 to 50, EVEN CONC.: 16-30 & 31-50

GEOLOGY SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 15, GC: less than 5
2. Approximate Number of Students That Graduate in Dept ranges from 6 to 15, GC: 6-10
3. Number of FT TTF in Dept ranges from less than 5 to 15, GC: less than 5
4. Number of S/A in Dept ranges from none to 1, GC: 1
5. Number of FT A/L/V in Dept ranges from none to greater than 6, GC: none
6. Number of TS in Dept ranges from none to 1, GC: none
7. Average Size of Introductory Course in Major ranges from 16 to 100, GC: 31-50

MARINE SCIENCE SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year is greater than 100, GC: greater than 100
2. Approximate Number of Students That Graduate in Dept ranges from 16 to 100, EVEN CONCENTRATIONS: 16-25 & 51-100
3. Number of FT TTF in Dept ranges from 6 to 15, EVEN CONCENTRATIONS: 6-10 & 11-15
4. Number of S/A in Dept is 1, GC: 1
5. Number of FT A/L/V in Dept ranges from 1 to 3, EVEN CONCENTRATIONS: 1 & 2-3
6. Number of TS in Dept ranges from none to 3, EVEN CONCENTRATIONS: none & 2-3
7. Average Size of Introductory Course in Major ranges from 51 to greater than 100, EVEN CONCENTRATIONS: 51-100 & greater than 100

MATHEMATICS SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 50, GC: 6-10
2. Approximate Number of Students That Graduate in Dept ranges from less than 5 to 25, GC: 6-10
3. Number of FT TTF in Dept ranges from less than 5 to 10, GC: 6-10
4. Number of S/A in Dept ranges from none to 3, GC: 1
5. Number of FT A/L/V in Dept ranges from none to 3, GC: 1
6. Number of TS in Dept ranges from none to 1, GC: none
7. Average Size of Introductory Course in Major ranges from 16 to 50, GC: 16-30
NEUROSCIENCE SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 15, EVEN CONCENTRATIONS: less than 5 & 11-15
2. Approximate Number of Students That Graduate in Dept ranges from 11 to 50, GC: 26-50
3. Number of FT TTF in Dept ranges from less than 5 to 15, EVEN CONCENTRATIONS: less than 5, 6-10, & 11-15
4. Number of S/A in Dept ranges from none to 2, GC: none
5. Number of FT A/L/V in Dept ranges from none to 1, GC: 1
6. Number of TS in Dept ranges from none to greater than 6, EVEN CONCENTRATIONS: none, 1, & greater than 6
7. Average Size of Introductory Course in Major ranges from 16 to 100, EVEN CONCENTRATIONS: 16-30, 31-50, & 51-100

PHYSICS SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from less than 5 to 25, GC: 6-10
2. Approximate Number of Students That Graduate in Dept ranges from less than 5 to 25, GC: 6-10
3. Number of FT TTF in Dept ranges from less than 5 to 15, GC: less than 5
4. Number of S/A in Dept ranges from none to 2, GC: 1
5. Number of FT A/L/V in Dept ranges from none to 6, GC: none
6. Number of TS in Dept ranges from none to 3, GC: 1
7. Average Size of Introductory Course in Major ranges from less than 15 to 100, GC: 16-30

OTHER SUMMARY

1. Approximate Number of Students Declare Interest in Dept Major Fresman Year ranges from 16 to 50, EVEN CONCENTRATIONS: 16-25 & 26-50
2. Approximate Number of Students That Graduate in Dept ranges from 16 to 50, EVEN CONCENTRATIONS: 16-25 & 26-50
3. Number of FT TTF in Dept is greater than 15, GC: greater than 15
4. Number of S/A in Dept is 3, GC: 3
5. Number of FT A/L/V in Dept is none, GC: none
6. Number of TS in Dept is 2-3, GC: 2-3
7. Average Size of Introductory Course in Major ranges from 16 to 50, EVEN CONCENTRATIONS: 16-30 & 31-50
## MAJOR CORRELATIONS

**FY: Freshman Year**

Gain/Loss in Major

<table>
<thead>
<tr>
<th># of Students Declare FY</th>
<th>&lt; 5 Graduate</th>
<th>6-10 Graduate</th>
<th>11-15 Graduate</th>
<th>16-25 Graduate</th>
<th>26-50 Graduate</th>
<th>51-100 Graduate</th>
<th>&gt; 100 Graduate</th>
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<tbody>
<tr>
<td>&lt; 5 (28)</td>
<td>6</td>
<td>14</td>
<td>3</td>
<td>4</td>
<td>1</td>
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<tr>
<td>6-10 (22)</td>
<td>4</td>
<td>10</td>
<td>4</td>
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<tr>
<td>11-15 (18)</td>
<td>0</td>
<td>12</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>16-25 (18)</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>26-50 (12)</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>6</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>51-100 (7)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>&gt; 100 (4)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td></td>
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</tbody>
</table>

Intro Course Size Compared to Student Body Size

<table>
<thead>
<tr>
<th>Student Body Size</th>
<th>Intro Course &lt;15</th>
<th>Intro Course 16-30</th>
<th>Intro Course 31-50</th>
<th>Intro Course 51-100</th>
<th>Intro Course &gt;100</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1000 (9)</td>
<td>0</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1001-1500 (36)</td>
<td>1</td>
<td>22</td>
<td>8</td>
<td>5</td>
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<tr>
<td>1501-2000 (39)</td>
<td>0</td>
<td>23</td>
<td>9</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>2000-2500 (9)</td>
<td>0</td>
<td>6</td>
<td>2</td>
<td>1</td>
<td>0</td>
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<tr>
<td>&gt;2500 (17)</td>
<td>1</td>
<td>7</td>
<td>4</td>
<td>4</td>
<td>1</td>
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Average Student to Faculty/Adjuncts/Lecturers/Visitors Ratio

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<thead>
<tr>
<th>Subject</th>
<th>Ratio</th>
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<tbody>
<tr>
<td>Biology</td>
<td>6.42</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>5.00</td>
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<tr>
<td>Chemistry</td>
<td>2.57</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3.48</td>
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<tr>
<td>Environmental Science</td>
<td>1.8</td>
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<tr>
<td>Geology</td>
<td>4.08</td>
</tr>
<tr>
<td>Marine Science</td>
<td>6.50</td>
</tr>
<tr>
<td>Mathematics</td>
<td>2.43</td>
</tr>
<tr>
<td>Neuroscience</td>
<td>2.00</td>
</tr>
<tr>
<td>Physics</td>
<td>2.46</td>
</tr>
<tr>
<td>Other(Natural Science)</td>
<td>2.00</td>
</tr>
</tbody>
</table>
### Average Student to Faculty/Secretaries/Assistants/Adjuncts/Lecturers/Visitors/Technical Staff Ratio

<table>
<thead>
<tr>
<th>Department</th>
<th>AVG SFR</th>
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<tbody>
<tr>
<td>Biology</td>
<td>5.08</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>3.60</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2.33</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3.00</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>1.40</td>
</tr>
<tr>
<td>Geology</td>
<td>3.54</td>
</tr>
<tr>
<td>Marine Science</td>
<td>6.50</td>
</tr>
<tr>
<td>Mathematics</td>
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<tr>
<td>Neuroscience</td>
<td>1.75</td>
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<tr>
<td>Physics</td>
<td>2.05</td>
</tr>
<tr>
<td>Other(Natural Science)</td>
<td>2.00</td>
</tr>
</tbody>
</table>

### Number of Freshmen Declaring Major Compared to Graduating Seniors

- Biology, Chemistry, Geology, Math: 30%
- Environmental Science, Marine Science: 19%
- Chemistry, Geology, Math: 12%

- Extreme Loss
- Loss
- Maintain
- Gain
- Extreme Gain

- Biology, Chemistry, Geology, Math: 30%
- Environmental Science, Marine Science: 19%
- Chemistry, Geology, Math: 12%