## Four-Year Graduation Rates of Full-Time, First-Time Freshmen by Responses on the Fall 2009 Freshman Cooperative Institutional Research Program (CIRP) Survey

Prepared by the Office of Institutional Research, Planning \& Effectiveness
March 11, 2014
This report examines four-year graduation rates of full-time, first-time students entering Stony Brook University in Fall 2009 by their responses to questions asked on the Cooperative Institutional Research Program (CIRP) Freshman Survey administered by the Higher Education Research Institute (HERI) at the University of California Los Angeles.

Major findings confirm other research that indicates grades earned during high school represent the factor most related to graduation rates. Beyond this, however, a range of other self-reported factors were associated with higher graduation rates at statistically significant levels.

## High school academics

- Taking AP Exams in high school
- Not skipping school/classes in high school
- Taking notes during class in high school
- Working with other students on high school class assignments
- Performing community service as part of a high school class
- Self-rated drive to achieve
- Self-rated intellectual self-confidence

Admissions and financial aid

- Importance to parents of student attending Stony Brook
- Financial assistance from Stony Brook
- Not offered financial aid by first choice
- Could not afford first choice
- Admission through early decision
- Rankings in national magazines


## Social experience in high school

- Not smoking cigarettes in high school
- Not drinking alcohol in high school
- Disagreement that marijuana should be legalized
- Less time spent playing video games in high school
- Self-rated spirituality
- Parents' status (alive, living together)

Plans for campus engagement

- Living on campus
- Goal to participate in a community action program
- Plans to participate in volunteer or community service work
- Plans to participate in student groups
- Agreement that colleges have the right to ban controversial speakers
- Goal to become an authority in a field


## Methodology

From 1971 through 2006, Stony Brook University conducted the CIRP Freshman survey almost every fall during freshmen orientation. Now the campus administers the survey on a three-year cycle, surveying the entering classes in 2009 and 2012. In fall 2009, 2,795 students entered Stony Brook as full-time, first-time freshmen, and 2,467 students took the survey. Of these, 996 provided their student ID numbers and gave consent for additional research to be conducted on their responses.

Overall responses were compared to national norms for highly selective public universities as well as public universities overall. These results are available on the Office of Institutional Research, Planning \& Effectiveness (IRPE) web site. Responses of students who provide ID numbers were linked to graduation rate outcomes, maintained by IRPE. Of the group who provided ID numbers, 478 or $48.0 \%$ graduated within four years of entry (on or before Aug. 31, 2013), compared to $46.2 \%$ of the entire 2009 cohort of full-time freshmen, suggesting the group of respondents with IDs was roughly comparable to the student population at large.

Graduation rates by response categories were calculated and tested for statistical significance using a 2-tailed chi-square test and flagged using the following notations: *** $p<0.001$, ** $p<0.01$, * $p<0.05, \dagger p<0.10$. Results are only highlighted or discussed when $p<0.05$.

## Caveats: Correlation vs. Causation and the Limitations of Survey Data

As with all analyses of this type, caution should be taken not to confuse correlation with causation. For instance, results indicate that students who reported they smoked cigarettes frequently or occasionally during high school graduated at a rate about 20 percentage points lower than students who reported they did not smoke cigarettes during high school. Clearly smoking cigarettes prior to college did not cause fewer students to complete degrees in four years, but rather this behavioral factor is associated with lower graduation rates.

Further, survey research inherently includes biases and uncertainties introduced by self-reported responses; survey participants may forget things, they may exaggerate, or even fabricate responses. Such uncertainties should be taken into account when interpreting results.

## Highlights

Statistically significant results can be roughly grouped into four categories: high school academics, plans of campus engagement, the social experience in high school, and admissions and financial aid. It is important to recognize that higher grades earned in high school was by far the most significant factors associated with higher graduation rates, and this relationship dwarfs the relationship observed between other survey items and graduation rates.

## High School Academics

Figure 1. Four-Year Graduation Rates by Self-Reported High School Grades


Figure 2. Four-Year Graduation Rates by Number of AP Exams Taken in HS


Figure 3. Four-Year Graduation Rates by Frequency of Skipping Class/School


Figure 4. Four-Year Graduation Rates by Frequency of Taking Notes in Class


How often did you take notes in class in the past year?

Figure 5. Four-Year Graduation Rates by Frequency of Working with Other Students


How often did work with other students on class assignments in the past year?

Figure 6. Four-Year Graduation Rates by Frequency of Community Service in Class


Figure 7. Four-Year Graduation Rates by Self-Rated Drive to Achieve


Rate yourself on your drive to achive compared to the average person your age

Figure 8. Four-Year Graduation Rates by Self-Rated Intellectual Self-Confidence


Rate yourself on intellectual self-confidence compared to the average person your age

Social Experience in High School
Figure 9. Four-Year Graduation Rates by Frequency of Cigarette Smoking in Past Year


Indicate if you smoked cigarettes in the past year

Figure 10. Four-Year Graduation Rates by Frequency of Drinking Alcohol in Past Year


Indicate if you drank beer / wine or liquor in the past year

Figure 11. Four-Year Graduation Rates by View that Marijuana Should Be Legalized


Marijuana should be legalized

Figure 12. Four-Year Graduation Rates by Time Spent Playing Video Games


Hours/week in past year playing video/ computer games

Figure 13. Four-Year Graduation Rates by Self-Rated Spirituality


Rate yourself on your spirituality compared to the average person your age

Figure 14. Four-Year Graduation Rates by Parents' Status


Are your parents alive? divorced?

## Admissions and Financial Aid

Figure 15. Four-Year Graduation Rates by Importance to Parents to Attend SBU


How important was you parents wanting you to attend SBU in your decision to come here?

Figure 16. Four-Year Graduation Rates by Importance of Offer of Financial Aid


How important was SBU's offer of financial assistance in your decision to come here?

Figure 17. Four-Year Graduation Rates by Importance of Aid Offer from 1st Choice


How important was not being offered aid from your 1st choice in your decision to come here?

Figure 18. Four-Year Graduation Rates by Importance of Unaffordability of 1st Choice


How important was not being able to afford your 1st choice in your decision to come here?

Figure 19. Four-Year Graduation Rates by Importance of Early Action/Decision


How important was admission through early action/decision in your decision to come here?

Figure 20. Four-Year Graduation Rates by Importance of Rankings in Nat'I Magazines


How important was admission through early action/decision in your decision to come here?

## Plans for Campus Engagement

Figure 21. Four-Year Graduation Rates by Planned Living Arrangements


Where do you plan to live during the fall term?

Figure 22. Four-Year Graduation Rates by Importance of Community Action Program


Indicate the importance to you personally in participating in a community action program

Figure 23. Four-Year Graduation Rates by Anticipated Participation in Volunteer Work


Best guess as to chances you will participate in volunteer work or community service?

Figure 24. Four-Year Graduation Rates by Anticipated Participation in Student Clubs


Best guess as to chances you will participate in student clubs/groups?

Figure 25. Four-Year Graduation Rates by College Right to Ban Extreme Speakers


View that colleges have the right to ban extreme speakers from campus

Figure 26. Four-Year Graduation Rates by Importance of Becoming Authority in a Field


View that colleges have the right to ban extreme speakers from campus

Table 1. 4-Year Graduation Rates of Full-Time, First-Time Students Entering in Fall 2009 by Responses on the CIRP Freshman Survey - Statistically Significant Responses only
Questions on which statistically significant differences were observed are below; effects may be nonlinear. *** $p<0.001$, ** $p<0.01,{ }^{*} p<0.05, \dagger p<0.10$

|  |  | Responses Count | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No Count | Yes <br> Count | Grad rate |  |
|  |  | Pct |  | Sig |
| Preliminary cohort grad rate | ( $\mathrm{N}=2,795$ ) |  | 2795 | 1504 | 1291 | 46.2 |  |
| Respondents with Student ID | Total | 996 | 518 | 478 | 48.0 |  |
| Respondents w/o Student ID | Total | 1471 | -- | -- | -- |  |
| Is English your native language? | No | 195 | 85 | 110 | 56.4 | * |
|  | Yes | 793 | 428 | 365 | 46.0 |  |
| What was your average grade in high school? | D | 0 | 0 | 0 | -- | *** |
|  | C | 1 | 0 | 1 | 100.0 |  |
|  | C+ | 2 | 1 | 1 | 50.0 |  |
|  | B- | 26 | 21 | 5 | 19.2 |  |
|  | B | 110 | 70 | 40 | 36.4 |  |
|  | B+ | 193 | 111 | 82 | 42.5 |  |
|  | A- | 322 | 190 | 132 | 41.0 |  |
|  | A or A+ | 333 | 117 | 216 | 64.9 |  |
| Where do you plan to live during the fall term? | With my family or other relatives | 206 | 121 | 85 | 41.3 | * |
|  | Other private home, apartment, or room | 19 | 14 | 5 | 26.3 |  |
|  | College residence hall | 745 | 366 | 379 | 50.9 |  |
|  | Fraternity or sorority house | 0 | 0 | 0 | -- |  |
|  | Other campus student housing | 15 | 8 | 7 | 46.7 |  |
|  |  | 0 | 0 | 0 | -- |  |
| Citizenship status | Neither | 18 | 8 | 10 | 55.6 | $\dagger$ |
|  | Permanent resident (green card) | 71 | 28 | 43 | 60.6 |  |
|  | U.S. citizen | 898 | 478 | 420 | 46.8 |  |
| Are your parents alive? divorced? | One or both deceased | 29 | 17 | 12 | 41.4 | * |
|  | Both alive, divorced or living apart | 216 | 131 | 85 | 39.4 |  |
|  | Both alive and living with each other | 745 | 367 | 378 | 50.7 |  |
| Science: need special tutoring or remedial work | Not marked | 927 | 490 | 437 | 47.1 | * |
|  | Marked | 69 | 28 | 41 | 59.4 |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear.
*** $p<0.001$, ** $p<0.01, * p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\frac{\text { No }}{\text { Count }}$ | $\frac{\text { Yes }}{\text { Count }}$ | Grad rate |  |
|  |  | Count |  | Pct | Sig |
| AP Courses take during high school | Not offered at my HS |  | 37 | 21 | 16 | 43.2 | $\dagger$ |
|  | None | 111 | 66 | 45 | 40.5 |  |
|  | 1-4 | 576 | 307 | 269 | 46.7 |  |
|  | 5-9 | 223 | 106 | 117 | 52.5 |  |
|  | 10-14 | 15 | 4 | 11 | 73.3 |  |
|  | 15+ | 1 | 1 | 0 | 0.0 |  |
| AP Exams take during high school | Not offered at my HS | 32 | 17 | 15 | 46.9 | * |
|  | None | 144 | 92 | 52 | 36.1 |  |
|  | 1-4 | 518 | 267 | 251 | 48.5 |  |
|  | 5-9 | 203 | 94 | 109 | 53.7 |  |
|  | 10-14 | 14 | 4 | 10 | 71.4 |  |
|  | 15+ | 1 | 1 | 0 | 0.0 |  |
| Highest academic degree planned | None | 5 | 2 | 3 | 60.0 | $\dagger$ |
|  | Vocational certificate | 0 | 0 | 0 | -- |  |
|  | Associate (A.A. or equivalent) | 2 | 1 | 1 | 50.0 |  |
|  | Bachelors degree (B.A., B.S., etc.) | 73 | 47 | 26 | 35.6 |  |
|  | Masters degree (M.A., M.S., etc.) | 312 | 164 | 148 | 47.4 |  |
|  | Ph.D. or Ed.D. | 229 | 118 | 111 | 48.5 |  |
|  | M.D., D.O., D.D.S., D.V.M. | 214 | 96 | 118 | 55.1 |  |
|  | J.D. (Law) | 31 | 11 | 20 | 64.5 |  |
|  | B.D. or M.DIV. (Divinity) | 0 | 0 | 0 | -- |  |
|  | Other | 9 | 6 | 3 | 33.3 |  |
| Aid: Family resources (parents, relatives, spouse, etc.) | None | 105 | 59 | 46 | 43.8 | $\dagger$ |
|  | Less than \$1,000 | 96 | 50 | 46 | 47.9 |  |
|  | \$1,000-2,999 | 156 | 83 | 73 | 46.8 |  |
|  | \$3,000-5,999 | 183 | 84 | 99 | 54.1 |  |
|  | \$6,000-9,999 | 134 | 83 | 51 | 38.1 |  |
|  | \$10,000 + | 235 | 113 | 122 | 51.9 |  |
| Act in Past Year: Smoked cigarettes | Not at all | 886 | 442 | 444 | 50.1 | * |
|  | Occasionally | 67 | 47 | 20 | 29.9 |  |
|  | Frequently | 30 | 21 | 9 | 30.0 |  |
| Act in Past Year: Drank beer | Not at all | 657 | 317 | 340 | 51.8 | * |
|  | Occasionally | 276 | 164 | 112 | 40.6 |  |
|  | Frequently | 44 | 24 | 20 | 45.5 |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear. *** $p<0.001, * * p<0.01, * p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No | Yes | Grad rate |  |
|  |  | Count | Count | Count | Pct | Sig |
| Act in Past Year: Drank wine or liquor | Not at all |  | 622 | 297 | 325 | 52.3 | ** |
|  | Occasionally | 317 | 186 | 131 | 41.3 |  |
|  | Frequently | 29 | 16 | 13 | 44.8 |  |
| Act in Past Year: Performed volunteer work | Not at all | 123 | 74 | 49 | 39.8 | $\dagger$ |  |
|  | Occasionally | 548 | 289 | 259 | 47.3 |  |  |
|  | Frequently | 312 | 149 | 163 | 52.2 |  |  |
| Act in Past Year: Used the Internet: To blog | Not at all | 640 | 345 | 295 | 46.1 | $\dagger$ |  |
|  | Occasionally | 198 | 98 | 100 | 50.5 |  |  |
|  | Frequently | 138 | 61 | 77 | 55.8 |  |  |
| Act in Past Year: Performed community service as part of a class | Not at all | 395 | 231 | 164 | 41.5 | ** |  |
|  | Occasionally | 438 | 207 | 231 | 52.7 |  |  |
|  | Frequently | 141 | 66 | 75 | 53.2 |  |  |
| Act in Past Year: Skipped school/class | Not at all | 712 | 345 | 367 | 51.5 | ** |  |
|  | Occasionally | 245 | 150 | 95 | 38.8 |  |  |
|  | Frequently | 19 | 12 | 7 | 36.8 |  |  |
| Self Rating: Academic ability | Lowest 10\% | 0 | 0 | 0 | -- | * |  |
|  | Below average | 1 | 1 | 0 | 0.0 |  |  |
|  | Average | 177 | 100 | 77 | 43.5 |  |  |
|  | Above average | 603 | 323 | 280 | 46.4 |  |  |
|  | Highest 10\% | 210 | 91 | 119 | 56.7 |  |  |
| Self Rating: Creativity | Lowest 10\% | 6 | 2 | 4 | 66.7 | * |  |
|  | Below average | 71 | 28 | 43 | 60.6 |  |  |
|  | Average | 358 | 198 | 160 | 44.7 |  |  |
|  | Above average | 403 | 196 | 207 | 51.4 |  |  |
|  | Highest 10\% | 154 | 92 | 62 | 40.3 |  |  |
| Self Rating: Drive to achieve | Lowest 10\% | 3 | 2 | 1 | 33.3 | * |  |
|  | Below average | 15 | 9 | 6 | 40.0 |  |  |
|  | Average | 232 | 134 | 98 | 42.2 |  |  |
|  | Above average | 425 | 227 | 198 | 46.6 |  |  |
|  | Highest 10\% | 317 | 143 | 174 | 54.9 |  |  |
| Self Rating: Selfconfidence <br> (intellectual) | Lowest 10\% | 5 | 3 | 2 | 40.0 | * |  |
|  | Below average | 34 | 18 | 16 | 47.1 |  |  |
|  | Average | 319 | 190 | 129 | 40.4 |  |  |
|  | Above average | 437 | 212 | 225 | 51.5 |  |  |
|  | Highest 10\% | 194 | 92 | 102 | 52.6 |  |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear. ${ }^{* * *} p<0.001, * * p<0.01, * p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\frac{\text { No }}{\text { Count }}$ | Yes <br> Count | Grad rate |  |
|  |  | Count |  | Pct | Sig |
| Self Rating: Spirituality | Lowest 10\% |  | 103 | 67 | 36 | 35.0 | * |
|  | Below average | 147 | 87 | 60 | 40.8 |  |
|  | Average | 413 | 217 | 196 | 47.5 |  |
|  | Above average | 218 | 93 | 125 | 57.3 |  |
|  | Highest 10\% | 106 | 46 | 60 | 56.6 |  |
| Self Rating: Understanding of others | Lowest 10\% | 3 | 0 | 3 | 100.0 | $\dagger$ |
|  | Below average | 21 | 7 | 14 | 66.7 |  |
|  | Average | 278 | 156 | 122 | 43.9 |  |
|  | Above average | 473 | 241 | 232 | 49.0 |  |
|  | Highest 10\% | 216 | 111 | 105 | 48.6 |  |
| Self Rating: Tolerance of others with different beliefs | Lowest 10\% | 2 | 1 | 1 | 50.0 | $\dagger$ |
|  | Below average | 8 | 2 | 6 | 75.0 |  |
|  | Average | 150 | 65 | 85 | 56.7 |  |
|  | Above average | 432 | 229 | 203 | 47.0 |  |
|  | Highest 10\% | 394 | 216 | 178 | 45.2 |  |
| Habits of Mind: Revise your papers to improve your writing | Not at all | 82 | 53 | 29 | 35.4 | $\dagger$ |
|  | Occasionally | 534 | 274 | 260 | 48.7 |  |
|  | Frequently | 371 | 187 | 184 | 49.6 |  |
| Habits of Mind: Accept mistakes as part of the learning process | Not at all | 16 | 12 | 4 | 25.0 | $\dagger$ |
|  | Occasionally | 419 | 225 | 194 | 46.3 |  |
|  | Frequently | 554 | 277 | 277 | 50.0 |  |
| Habits of Mind: Take notes during class | Not at all | 38 | 23 | 15 | 39.5 | *** |
|  | Occasionally | 245 | 155 | 90 | 36.7 |  |
|  | Frequently | 702 | 334 | 368 | 52.4 |  |
| Habits of Mind: Work with other students on class assignments | Not at all | 28 | 18 | 10 | 35.7 | * |
|  | Occasionally | 389 | 220 | 169 | 43.4 |  |
|  | Frequently | 571 | 276 | 295 | 51.7 |  |
| Race: <br> White/Caucasian | Not marked | 461 | 226 | 235 | 51.0 | $\dagger$ |
|  | Marked | 535 | 292 | 243 | 45.4 |  |
| Race: American Indian/Alaska Native | Not marked | 985 | 509 | 476 | 48.3 | $\dagger$ |
|  | Marked | 11 | 9 | 2 | 18.2 |  |
| Race: Asian American/Asian | Not marked | 691 | 378 | 313 | 45.3 | * |
|  | Marked | 305 | 140 | 165 | 54.1 |  |
| Race: Mexican American/Chicano | Not marked | 990 | 512 | 478 | 48.3 | * |
|  | Marked | 6 | 6 | 0 | 0.0 |  |
| Race: Puerto Rican | Not marked | 969 | 498 | 471 | 48.6 | * |
|  | Marked | 27 | 20 | 7 | 25.9 |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear.
*** $p<0.001$, ** $p<0.01,{ }^{*} p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Yes <br> Count | Grad rate |  |
|  |  | Count |  | Pct | Sig |
| Race: Other Latino | Not marked |  | 930 | 468 | 462 | 49.7 | *** |
|  | Marked | 66 | 50 | 16 | 24.2 |  |
| View: There is too much concern in the courts for the rights of criminals | Disagree strongly | 82 | 52 | 30 | 36.6 | $\dagger$ |
|  | Disagree somewhat | 400 | 211 | 189 | 47.3 |  |
|  | Agree somewhat | 442 | 214 | 228 | 51.6 |  |
|  | Agree strongly | 45 | 27 | 18 | 40.0 |  |
| View: Marijuana should be legalized | Disagree strongly | 253 | 121 | 132 | 52.2 | ** |
|  | Disagree somewhat | 301 | 152 | 149 | 49.5 |  |
|  | Agree somewhat | 302 | 152 | 150 | 49.7 |  |
|  | Agree strongly | 132 | 88 | 44 | 33.3 |  |
| View: Dissent is a critical component of the political process | Disagree strongly | 39 | 28 | 11 | 28.2 | $\dagger$ |
|  | Disagree somewhat | 286 | 151 | 135 | 47.2 |  |
|  | Agree somewhat | 488 | 249 | 239 | 49.0 |  |
|  | Agree strongly | 124 | 64 | 60 | 48.4 |  |
| View: Colleges have the right to ban extreme speakers from campus | Disagree strongly | 248 | 148 | 100 | 40.3 | * |
|  | Disagree somewhat | 399 | 202 | 197 | 49.4 |  |
|  | Agree somewhat | 281 | 136 | 145 | 51.6 |  |
|  | Agree strongly | 53 | 24 | 29 | 54.7 |  |
| Reason Attend: My parents wanted me to go | Not important | 223 | 133 | 90 | 40.4 | * |
|  | Somewhat important | 404 | 198 | 206 | 51.0 |  |
|  | Very important | 340 | 173 | 167 | 49.1 |  |
| Hours per Week: Studying/homework | None | 15 | 10 | 5 | 33.3 | * |
|  | Less than one hour | 114 | 74 | 40 | 35.1 |  |
|  | 1 to 2 hours | 217 | 120 | 97 | 44.7 |  |
|  | 3 to 5 hours | 270 | 138 | 132 | 48.9 |  |
|  | 6 to 10 hours | 203 | 95 | 108 | 53.2 |  |
|  | 11 to 15 hours | 79 | 34 | 45 | 57.0 |  |
|  | 16 to 20 hours | 45 | 20 | 25 | 55.6 |  |
|  | Over 20 hours | 26 | 14 | 12 | 46.2 |  |
| Hours per Week: <br> Volunteer work | None | 247 | 147 | 100 | 40.5 | $\dagger$ |
|  | Less than one hour | 185 | 94 | 91 | 49.2 |  |
|  | 1 to 2 hours | 257 | 121 | 136 | 52.9 |  |
|  | 3 to 5 hours | 175 | 90 | 85 | 48.6 |  |
|  | 6 to 10 hours | 59 | 32 | 27 | 45.8 |  |
|  | 11 to 15 hours | 20 | 6 | 14 | 70.0 |  |
|  | 16 to 20 hours | 10 | 6 | 4 | 40.0 |  |
|  | Over 20 hours | 16 | 7 | 9 | 56.3 |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear.
*** $p<0.001$, ** $p<0.01,{ }^{*} p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No Count | Yes <br> Count | Grad rate |  |
|  |  | Count |  | Pct | Sig |
| Hours per Week: Reading for pleasure | None |  | 167 | 87 | 80 | 47.9 | * |
|  | Less than one hour | 247 | 127 | 120 | 48.6 |  |
|  | 1 to 2 hours | 230 | 104 | 126 | 54.8 |  |
|  | 3 to 5 hours | 199 | 107 | 92 | 46.2 |  |
|  | 6 to 10 hours | 80 | 41 | 39 | 48.8 |  |
|  | 11 to 15 hours | 27 | 20 | 7 | 25.9 |  |
|  | 16 to 20 hours | 8 | 8 | 0 | 0.0 |  |
|  | Over 20 hours | 11 | 9 | 2 | 18.2 |  |
| Hours per Week: Playing video/computer games | None | 259 | 133 | 126 | 48.6 | * |
|  | Less than one hour | 198 | 84 | 114 | 57.6 |  |
|  | 1 to 2 hours | 196 | 105 | 91 | 46.4 |  |
|  | 3 to 5 hours | 165 | 91 | 74 | 44.8 |  |
|  | 6 to 10 hours | 77 | 40 | 37 | 48.1 |  |
|  | 11 to 15 hours | 40 | 28 | 12 | 30.0 |  |
|  | 16 to 20 hours | 9 | 5 | 4 | 44.4 |  |
|  | Over 20 hours | 23 | 16 | 7 | 30.4 |  |
| Choose to Attend: My parents wanted me to come here | Not important | 376 | 220 | 156 | 41.5 | ** |
|  | Somewhat important | 432 | 214 | 218 | 50.5 |  |
|  | Very important | 185 | 84 | 101 | 54.6 |  |
| Choose to Attend: I was offered financial assistance | Not important | 350 | 205 | 145 | 41.4 | ** |
|  | Somewhat important | 315 | 158 | 157 | 49.8 |  |
|  | Very important | 320 | 150 | 170 | 53.1 |  |
| Choose to Attend: Not offered aid by first choice | Not important | 704 | 385 | 319 | 45.3 | * |
|  | Somewhat important | 166 | 79 | 87 | 52.4 |  |
|  | Very important | 108 | 47 | 61 | 56.5 |  |
| Choose to Attend: Could not afford first choice | Not important | 630 | 355 | 275 | 43.7 | ** |
|  | Somewhat important | 159 | 76 | 83 | 52.2 |  |
|  | Very important | 188 | 79 | 109 | 58.0 |  |
| Choose to Attend: Rankings in national magazines | Not important | 245 | 145 | 100 | 40.8 | * |
|  | Somewhat important | 458 | 230 | 228 | 49.8 |  |
|  | Very important | 283 | 137 | 146 | 51.6 |  |
| Choose to Attend: I was admitted through an Early Action or Early Decision program | Not important | 731 | 413 | 318 | 43.5 | *** |
|  | Somewhat important | 147 | 60 | 87 | 59.2 |  |
|  | Very important | 94 | 34 | 60 | 63.8 |  |

Questions on which statistically significant differences were observed are below; effects may be nonlinear. *** $p<0.001$, ** $p<0.01,{ }^{*} p<0.05, \dagger p<0.10$

|  |  | Responses | Graduated in 4 years |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\frac{\text { No }}{\text { Count }}$ | $\frac{\text { Yes }}{\text { Count }}$ | Grad rate |  |
|  |  | Count |  | Pct | Sig |
| Goal: Becoming an authority in my field | Not important |  | 82 | 54 | 28 | 34.1 | * |
|  | Somewhat important | 368 | 185 | 183 | 49.7 |  |
|  | Very important | 375 | 199 | 176 | 46.9 |  |
|  | Essential | 160 | 74 | 86 | 53.8 |  |
| Goal: Helping others who are in difficulty | Not important | 22 | 14 | 8 | 36.4 | $\dagger$ |
|  | Somewhat important | 284 | 162 | 122 | 43.0 |  |
|  | Very important | 415 | 212 | 203 | 48.9 |  |
|  | Essential | 268 | 125 | 143 | 53.4 |  |
| Goal: Participating in a community action program | Not important | 270 | 159 | 111 | 41.1 | ** |
|  | Somewhat important | 491 | 256 | 235 | 47.9 |  |
|  | Very important | 182 | 78 | 104 | 57.1 |  |
|  | Essential | 40 | 17 | 23 | 57.5 |  |
| Future Act: Get a job to help pay for college expenses | No chance | 31 | 17 | 14 | 45.2 | $\dagger$ |
|  | Very little chance | 91 | 49 | 42 | 46.2 |  |
|  | Some chance | 347 | 162 | 185 | 53.3 |  |
|  | Very good chance | 520 | 287 | 233 | 44.8 |  |
| Future Act: Participate in volunteer or community service work | No chance | 49 | 28 | 21 | 42.9 | *** |
|  | Very little chance | 225 | 140 | 85 | 37.8 |  |
|  | Some chance | 444 | 227 | 217 | 48.9 |  |
|  | Very good chance | 266 | 112 | 154 | 57.9 |  |
| Future Act: Participate in student clubs/groups | No chance | 13 | 12 | 1 | 7.7 | ** |
|  | Very little chance | 113 | 68 | 45 | 39.8 |  |
|  | Some chance | 413 | 222 | 191 | 46.2 |  |
|  | Very good chance | 448 | 209 | 239 | 53.3 |  |
| Future Act: Have a roommate of different race/ethnicity | No chance | 136 | 84 | 52 | 38.2 | $\dagger$ |
|  | Very little chance | 73 | 40 | 33 | 45.2 |  |
|  | Some chance | 351 | 176 | 175 | 49.9 |  |
|  | Very good chance | 419 | 209 | 210 | 50.1 |  |
| Future Act: Discuss course content with students outside of class | No chance | 8 | 7 | 1 | 12.5 | $\dagger$ |
|  | Very little chance | 73 | 40 | 33 | 45.2 |  |
|  | Some chance | 402 | 217 | 185 | 46.0 |  |
|  | Very good chance | 502 | 246 | 256 | 51.0 |  |

