H2: JUST WHAT IS RETENTION ANYWAY?

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SO, WHAT IS RETENTION?

It Depends
On whom wants to know
What is the business question?



DIFFERENT PERSPECTIVES OF RETENTION

- Legislators/"System" Executives Enrolled anywhere
- Institutional Reporting Enrolled here
- Deans Enrolled in my college
- Chairs Enrolled in my program or major

ASK THE GOVERNMENT!

 https://studentaid.gov/helpcenter/answers/article/retention-rate

Retention rate

A school's retention rate is the percentage of its first-time students who are seeking bachelor's degrees who return to the institution to continue their studies the following fall.

ISSUES WITH THIS DEFINITION

- ?????
- Full/Part time
- Transfers
- Institutional perspective

COMMON DATA SET DEFINITION

• **B22.** For the <u>cohort</u> of all full-time bachelor's (or equivalent) degree-seeking undergraduate students who entered your institution as first-year students in Fall 2021 (or the preceding summer term), what percentage was enrolled at your institution as of the date your institution calculates its official enrollment in Fall 2022?

ALLOWABLE ADJUSTMENTS

- The initial <u>cohort</u> may be adjusted for students who departed for the following reasons:
 - death
 - permanent disability
 - service in the armed forces
 - foreign aid service of federal government
 - official church missions

THE INSPIRATION QUESTION:

How do you report fall to fall retention by major? I have tried a couple of methods, and each has its weaknesses.

With one method, I only count a student as retained if he or she stayed in the same major from fall1 to fall2. Using this method, my results seem too low - if a major has 2 students and both of them change to other majors within the university, the fall to fall retention for that major = 0% even though those students are still at the university.

THE INSPIRATION QUESTION:

With the other method, I create a list of students in fall 1, and using only students on that list, I count how many are enrolled in each major in fall 1 and in fall 2. Using this method, my results seem too high - if a major has 2 students and 2 new majors transfer into it, the fall to fall retention for that major = 200%, which seems basically meaningless.

ISSUES NOT FULLY ADDRESSED BY POPULAR DEFINITIONS

- Retention by major
- Change major but stay at University
- Additional transfers into major

POSSIBLE SOLUTIONS

- Retention ≠ Net Enrollment
- Net Enrollment = aggregate numbers
- Retention = status of individual students
- Decide which to report
- Consider "reverse retention" or reverse triangle
- Establish a cohort
- Consider transfers separately

POSSIBLE SOLUTIONS

- Report multiple parameters
 - Enrolled
 - Original major
 - Different major
 - Graduated
 - From original major
 - From different major
 - Gone

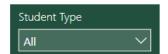
EXAMPLES – TRADITIONAL VIEW



Fall to Fall Retention & Graduation Rates

By Student Type and Residence Hall









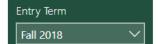
| N-Year Retention | 0 | | | | | 1 | | | | | 2 | | | | | 3 | | | | |
|-----------------------|--------|------|-----------|------|-----------|----------|-------|-----------|------|-----------|----------|-------|-----------|------|-----------|----------|-------|-----------|-------|-----------|
| Entry Term | _ | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate |
| ☐ Fall 2016 | 3,933 | | 100.0% | | | 3,492 | 441 | 88.8% | | | 3,232 | 657 | 83.1% | 44 | 1.1% | 2,937 | 718 | 80.4% | 278 | 7.1% |
| | 3,503 | | 100.0% | | | 3,136 | 367 | 89.5% | | | 2,943 | 557 | 84.1% | 3 | 0.1% | 2,822 | 607 | 82.3% | 74 | 2.1% |
| | 430 | | 100.0% | | | 356 | 74 | 82.8% | | | 289 | 100 | 74.3% | 41 | 9.5% | 115 | 111 | 50.9% | 204 | 47.4% |
| ⊟ Fall 2017 | 3,686 | | 100.0% | | | 3,247 | 439 | 88.1% | | | 2,993 | 656 | 82.0% | 37 | 1.0% | 2,690 | 704 | 79.3% | 292 | 7.9% |
| First-Time Freshman | 3,320 | | 100.0% | | | 2,948 | 372 | 88.8% | | | 2,752 | 565 | 83.0% | 3 | 0.1% | 2,609 | 600 | 81.3% | 111 | 3.3% |
| | 366 | | 100.0% | | | 299 | 67 | 81.7% | | | 241 | 91 | 72.6% | 34 | 9.3% | 81 | 104 | 43.8% | 181 | 49.5% |
| ─ Fall 2018 | 3,718 | | 100.0% | | | 3,275 | 443 | 88.1% | | | 3,061 | 611 | 83.4% | 46 | 1.2% | 2,692 | 715 | 79.0% | 311 | 8.4% |
| ⊕ First-Time Freshman | 3,366 | | 100.0% | | | 2,974 | 392 | 88.4% | | | 2,827 | 538 | 84.0% | 1 | 0.0% | 2,613 | 631 | 80.5% | 122 | 3.6% |
| | 352 | | 100.0% | | | 301 | 51 | 85.5% | | | 234 | 73 | 76.2% | 45 | 12.8% | 79 | 84 | 48.5% | 189 | 53.7% |
| □ Fall 2019 | 3,660 | | 100.0% | | | 3,295 | 365 | 90.0% | | | 3,037 | 574 | 84.1% | 49 | 1.3% | 2,682 | 639 | 80.8% | 339 | 9.3% |
| First-Time Freshman | 3,307 | | 100.0% | | | 2,998 | 309 | 90.7% | | | 2,811 | 493 | 85.1% | 3 | 0.1% | 2,613 | 550 | 82.6% | 144 | 4.4% |
| | 353 | | 100.0% | | | 297 | 56 | 84.1% | | | 226 | 81 | 73.6% | 46 | 13.0% | 69 | 89 | 43.7% | 195 | 55.2% |
| ─ Fall 2020 | 4,088 | | 100.0% | | | 3,591 | 497 | 87.8% | | | 3,324 | 703 | 82.5% | 61 | 1.5% | | | | | |
| | 3,731 | | 100.0% | | | 3,296 | 435 | 88.3% | | | 3,097 | 628 | 83.1% | 6 | 0.2% | | | | | |
| Transfer Student | 357 | | 100.0% | | | 295 | 62 | 82.6% | | | 227 | 75 | 75.2% | 55 | 15.4% | | | | | |
| ⊟ Fall 2021 | 4,635 | | 100.0% | | | 4,157 | 477 | 89.7% | 1 | 0.0% | | | | | | | | | | |
| ⊕ First-Time Freshman | 4,271 | | 100.0% | | | 3,854 | 417 | 90.2% | | | | | | | | | | | | |
| | 364 | | 100.0% | | | 303 | 60 | 83.5% | 1 | 0.3% | | | | | | | | | | |
| Total | 23,720 | | 100.0% | | | 21,057 | 2,662 | 88.8% | 1 | 0.0% | 15,647 | 3,201 | 83.0% | 237 | 1.2% | 11,001 | 2,776 | 79.9% | 1,220 | 8.1% |
| | | | | | | | | | | | | | | | | | | | | |

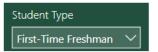
EXAMPLES – SPECIFIC MAJOR



Program Migration History

Program by Term for Selected Entry Cohort









| | | | | | | | | | | | | | | | | | | \uparrow \downarrow | $\downarrow \downarrow \downarrow$ |
|-------------------------------------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-------------------------|------------------------------------|
| Elapsed Terms | 0 | | | | | 1 | | | | | 2 | | | | | 3 | | | |
| Туре | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad |
| ☐ First-Time Freshman | 486 | | 100.0% | | | 462 | 24 | 95.1% | | | 430 | 56 | 88.5% | | | 416 | 70 | 85.6% | |
| Accounting (BBA) | | | | | | | | | | | | | | | | | | | |
| Anthropology (BA) | | | | | | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Anthropology (BS) | | | | | | | | | | | | | | | | 2 | | 100.0% | |
| Aviation Sciences (BSA) | | | | | | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Baylor Business Fellows (BBA) | | | | | | 3 | | 100.0% | | | 4 | | 100.0% | | | 4 | | 100.0% | |
| Biochemistry (BA) | | | | | | | | | | | | | | | | | | | |
| Biochemistry (BS) | | | | | | | | | | | 4 | | 100.0% | | | 4 | | 100.0% | |
| Bioinformatics (BSI) | | | | | | 2 | | 100.0% | | | 1 | | 100.0% | | | | | | |
| Biology (BA) | | | | | | | | | | | | | | | | | | | |
| Biology (BS) | 486 | | 100.0% | | | 386 | 24 | 94.1% | | | 284 | 47 | 85.8% | | | 238 | 53 | 81.8% | |
| Chemistry (BS) | | | | | | | | | | | | | | | | | | | |
| Clinical Laboratory Science (BS) | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Comm Sciences and Disorders (BA) | | | | | | 2 | | 100.0% | | | 7 | | 100.0% | | | 6 | 1 | 85.7% | |
| Comm Sciences and Disorders (BS) | | | | | | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Communication (BA) | | | | | | 1 | | 100.0% | | | 2 | - 1 | 66.7% | | | 4 | 2 | 66.7% | |
| Computer Science (BSCS) | | | | | | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Data Science (BSI) | | | | | | | | | | | | | | | | | | | |
| Economics (BBA) | | | | | | | | | | | | | | | | | | | |
| Economics (BS) | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Elementary Education (BSED) | | | | | | 1 | | 100.0% | | | 3 | | 100.0% | | | 3 | | 100.0% | |
| English (BA) | | | | | | | | | | | 1 | | 100.0% | | | 2 | | 100.0% | |
| Entr and Corporate Innovation (BBA) | | | | | | | | | | | | | | | | | | | |
| Environmental Health Science (BS) | | | | | | 2 | | 100.0% | | | 2 | | 100.0% | | | 2 | | 100.0% | |
| Environmental Science (BS) | | | | | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | |
| Environmental Studies (BA) | | | | | | | | | | | 3 | | 100.0% | | | 3 | | 100.0% | |
| Exercise Physiology (BS) | | | | | | | | | | | | | | | | 2 | | 100.0% | |
| Finance (BBA) | | | | | | | | | | | | | | | | | | | |
| Total | 486 | | 100.0% | |) | 462 | 24 | 95.1% | | | 430 | 56 | 88.5% | | | 416 | 70 | 85.6% | |

EXAMPLES - SPECIFIC MAJOR

| Elapsed Terms | 0 | | | | | 1 | | | | | 2 | | |
|-------------------------------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|
| Туре | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention |
| ─ First-Time Freshman | 486 | | 100.0% | | | 462 | 24 | 95.1% | | | 430 | 56 | 88.5% |
| Accounting (BBA) | | | | | | | | | | | | | |
| Anthropology (BA) | | | | | | | | | | | 1 | | 100.0% |
| Anthropology (BS) | | | | | | | | | | | | | |
| Aviation Sciences (BSA) | | | | | | | | | | | 1 | | 100.0% |
| Baylor Business Fellows (BBA) | | | | | | 3 | | 100.0% | | | 4 | | 100.0% |
| Biochemistry (BA) | | | | | | | | | | | | | |
| Biochemistry (BS) | | | | | | | | | | | 4 | | 100.0% |
| Bioinformatics (BSI) | | | | | | 2 | | 100.0% | | | 1 | | 100.0% |
| Biology (BA) | | | | | | | | | | | | | |
| Biology (BS) | 486 | | 100.0% | | | 386 | 24 | 94.1% | | | 284 | 47 | 85.8% |

Cohort Fall to Fall Retention = Enrolled / (Enrolled + Left) 430 / (430 + 56) = 88.5%

NOTE: By using only Enrolled and Left in the denominator, graduates are automatically removed from the cohort for retention calculation.

EXAMPLES – SPECIFIC MAJOR

| Elapsed Terms | 0 | | | | | 1 | | | | | 2 | | |
|-------------------------------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|
| Туре | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention |
| ─ First-Time Freshman | 486 | | 100.0% | | | 462 | 24 | 95.1% | | | 430 | 56 | 88.5% |
| Accounting (BBA) | | | | | | | | | | | | | |
| Anthropology (BA) | | | | | | | | | | | 1 | | 100.0% |
| Anthropology (BS) | | | | | | | | | | | | | |
| Aviation Sciences (BSA) | | | | | | | | | | | 1 | | 100.0% |
| Baylor Business Fellows (BBA) | | | | | | 3 | | 100.0% | | | 4 | | 100.0% |
| Biochemistry (BA) | | | | | | | | | | | | | |
| Biochemistry (BS) | | | | | | | | | | | 4 | | 100.0% |
| Bioinformatics (BSI) | | | | | | 2 | | 100.0% | | | 1 | | 100.0% |
| Biology (BA) | | | | | | | | | | | | | |
| Biology (BS) | 486 | | 100.0% | | | 386 | 24 | 94.1% | | | 284 | 47 | 85.8% |

Major Fall to Fall Retention = Enrolled@major / (Enrolled + Left)@cohort

284 / (430 + 56) = 58.4%

NOTE: Manual calculation, not included on dashboard.

EXAMPLES - SPECIFIC MAJOR

| Elapsed Terms | 0 | | | | | 1 | | | | | 2 | | |
|-------------------------------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|
| Туре | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention |
| ─ First-Time Freshman | 486 | | 100.0% | | | 462 | 24 | 95.1% | | | 430 | 56 | 88.5% |
| Accounting (BBA) | | | | | | | | | | | | | |
| Anthropology (BA) | | | | | | | | | | | 1 | | 100.0% |
| Anthropology (BS) | | | | | | | | | | | | | |
| Aviation Sciences (BSA) | | | | | | | | | | | 1 | | 100.0% |
| Baylor Business Fellows (BBA) | | | | | | 3 | | 100.0% | | | 4 | | 100.0% |
| Biochemistry (BA) | | | | | | | | | | | | | |
| Biochemistry (BS) | | | | | | | | | | | 4 | | 100.0% |
| Bioinformatics (BSI) | | | | | | 2 | | 100.0% | | | 1 | | 100.0% |
| Biology (BA) | | | | | | | | | | | | | |
| Biology (BS) | 486 | | 100.0% | | | 386 | 24 | 94.1% | | | 284 | 47 | 85.8% |

Intra-Major Fall to Fall Retention = Enrolled / (Enrolled + Left)

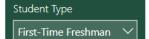
284 / (284 + 47) = 85.8%

NOTE: By using only Enrolled and Left in the denominator, graduates are automatically removed from the cohort for retention calculation.

EXAMPLES – GRADUATION RATES



| Entry Term | |
|------------|---|
| Fall 2018 | ~ |







| | | | | | | | | | | | | | | | | | | \uparrow | ↓ ↓↓ ↓ | | 7 E |
|-------------------------------------|-----------|----------|------|-----------|--------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------------|---------------|------|-----------|
| Elapsed Terms | 4 | 5 | | | | | 6 | | | | | 7 | | | | | 8 | | | | ^ |
| Туре | Grad Rate | Enrolled | Left | Retention | Grad G | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate |
| ☐ First-Time Freshman | | 403 | 83 | 82.9% | | | 385 | 89 | 81.2% | 12 | 2.5% | 344 | 95 | 78.4% | 47 | 9.7% | 60 | 100 | 37.5% | 326 | 67.1% |
| Accounting (BBA) | | 5 | | 100.0% | | | 5 | | 100.0% | | | 5 | 1 | 83.3% | | | 4 | | 100.0% | 1 | 20.0% |
| Anthropology (BA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | | 1 | | | | | 1 | | | |
| Anthropology (BS) | | 2 | 1 | 66.7% | | | 2 | 1 | 66.7% | 1 | 25.0% | 2 | 1 | 66.7% | 1 | 25.0% | | 1 | | 3 | 75.0% |
| Aviation Sciences (BSA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | | 1 | 100.0% |
| Baylor Business Fellows (BBA) | | 4 | | 100.0% | | | 4 | | 100.0% | | | 4 | | 100.0% | | | | | | 4 | 100.0% |
| Biochemistry (BA) | | 1 | | 100.0% | | | | | | 1 | 100.0% | | | | 1 | 100.0% | | | | 1 | 100.0% |
| Biochemistry (BS) | | 5 | | 100.0% | | | 6 | | 100.0% | | | 5 | 1 | 83.3% | | | | 2 | | 3 | 60.0% |
| Bioinformatics (BSI) | | | | | | | | | | | | | | | | | | | | | |
| Biology (BA) | | 1 | | 100.0% | | | | | | | | | | | | | | | | | |
| Biology (BS) | | 205 | 57 | 78.2% | | | 197 | 58 | 77.3% | 5 | 1.9% | 174 | 59 | 74.7% | 27 | 10.4% | 18 | 64 | 22.0% | 176 | 68.2% |
| Chemistry (BS) | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | | 1 | 100.0% |
| Clinical Laboratory Science (BS) | | | | | | | | | | | | | | | | | | | | | |
| Comm Sciences and Disorders (BA) | | 6 | 2 | 75.0% | | | 5 | 3 | 62.5% | | | 5 | 3 | 62.5% | | | | 3 | | 5 | 62.5% |
| Comm Sciences and Disorders (BS) | | 2 | | 100.0% | | | 2 | | 100.0% | | | 2 | | 100.0% | | | | | | 2 | 100.0% |
| Communication (BA) | | 7 | 3 | 70.0% | | | 7 | 3 | 70.0% | | | 6 | 4 | 60.0% | | | 1 | 3 | 25.0% | 6 | 60.0% |
| Computer Science (BSCS) | | | | | | | | | | | | | | | | | | | | | |
| Data Science (BSI) | | 2 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | |
| Economics (BBA) | | 2 | | 100.0% | | | 2 | | 100.0% | | | 2 | | 100.0% | | | | | | 2 | 100.0% |
| Economics (BS) | | | | | | | | | | | | | | | | | | | | | |
| Elementary Education (BSED) | | 3 | | 100.0% | | | 3 | | 100.0% | | | 3 | | 100.0% | | | | | | 3 | 100.0% |
| English (BA) | | 2 | | 100.0% | | | 2 | | 100.0% | | | 2 | | 100.0% | | | | | | 2 | 100.0% |
| Entr and Corporate Innovation (BBA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | | | | | | | | |
| Environmental Health Science (BS) | | | | | | | | | | | | | | | | | | | | | |
| Environmental Science (BS) | | 2 | | 100.0% | | | 2 | | 100.0% | | | 1 | | 100.0% | | | | | | 1 | 100.0% |
| Environmental Studies (BA) | | 3 | | 100.0% | | | 3 | | 100.0% | | | 3 | | 100.0% | 1 | 25.0% | 1 | 1 | 50.0% | 2 | 50.0% |
| Exercise Physiology (BS) | | 2 | | 100.0% | | | 2 | | 100.0% | | | 2 | | 100.0% | | | | | | 2 | 100.0% |
| Finance (BBA) | | , | | 100.0% | | | 3 | | 100.0% | | | 4 | | 100.0% | | | | - 1 | | 3 | |
| Total | | 403 | 83 | 82.9% | | | 385 | 89 | 81.2% | 12 | 2.5% | 344 | 95 | 78.4% | 47 | 9.7% | 60 | 100 | 37.5% | 326 | 67.1% |

EXAMPLES – GRADUATION RATES

| Elapsed Terms | 4 | 5 | | | | | 6 | | | | | 7 | | | | | 8 | | | | |
|-------------------------------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|
| | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate |
| ☐ First-Time Freshman | | 403 | 83 | 82.9% | | | 385 | 89 | 81.2% | 12 | 2.5% | 344 | 95 | 78.4% | 47 | 9.7% | 60 | 100 | 37.5% | 326 | 67.1% |
| Accounting (BBA) | | 5 | | 100.0% | | | 5 | | 100.0% | | | 5 | 1 | 83.3% | | | 4 | | 100.0% | 1 | 20.0% |
| Anthropology (BA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | | 1 | | | | | 1 | | | |
| Anthropology (BS) | | 2 | 1 | 66.7% | | | 2 | 1 | 66.7% | 1 | 25.0% | 2 | 1 | 66.7% | 1 | 25.0% | | 1 | | 3 | 75.0% |
| Aviation Sciences (BSA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | | 1 | 100.0% |
| Baylor Business Fellows (BBA) | | 4 | | 100.0% | | | 4 | | 100.0% | | | 4 | | 100.0% | | | | | | 4 | 100.0% |
| Biochemistry (BA) | | 1 | | 100.0% | | | | | | 1 | 100.0% | | | | 1 | 100.0% | | | | 1 | 100.0% |
| Biochemistry (BS) | | 5 | | 100.0% | | | 6 | | 100.0% | | | 5 | 1 | 83.3% | | | | 2 | | 3 | 60.0% |
| Bioinformatics (BSI) | | | | | | | | | | | | | | | | | | | | | |
| Biology (BA) | | 1 | | 100.0% | | | | | | | | | | | | | | | | | |
| Biology (BS) | | 205 | 57 | 78.2% | | | 197 | 58 | 77.3% | 5 | 1.9% | 174 | 59 | 74.7% | 27 | 10.4% | 18 | 64 | 22.0% | 176 | 68.2% |

Cohort Graduation Rate = Grad / (Enrolled + Left + Grad)

326 / (60 + 100 + 326) = 67.1%

EXAMPLES – GRADUATION RATES

| Elapsed Terms | 4 | 5 | | | | | 6 | | | | | 7 | | | | | 8 | | | | |
|-------------------------------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|
| Туре | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate |
| ☐ First-Time Freshman | | 403 | 83 | 82.9% | | | 385 | 89 | 81.2% | 12 | 2.5% | 344 | 95 | 78.4% | 47 | 9.7% | 60 | 100 | 37.5% | 326 | 67.1% |
| Accounting (BBA) | | 5 | | 100.0% | | | 5 | | 100.0% | | | 5 | 1 | 83.3% | | | - | | 100.0% | | 20.0% |
| Anthropology (BA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | | 1 | | | | | 1 | 1 | | |
| Anthropology (BS) | | 2 | 1 | 66.7% | | | 2 | - 1 | 66.7% | 1 | 25.0% | 2 | 1 | 66.7% | 1 | 25.0% | | 1 | \ | 3 | 75.0% |
| Aviation Sciences (BSA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | \ | 1 | 100.0% |
| Baylor Business Fellows (BBA) | | 4 | | 100.0% | | | 4 | | 100.0% | | | 4 | | 100.0% | | | | | \ | 4 | 100.0% |
| Biochemistry (BA) | | 1 | | 100.0% | | | | | | 1 | 100.0% | | | | 1 | 100.0% | | | | 1 | 100.0% |
| Biochemistry (BS) | | 5 | | 100.0% | | | 6 | | 100.0% | | | 5 | 1 | 83.3% | | | | 2 | | 3 | 60.0% |
| Bioinformatics (BSI) | | | | | | | | | | | | | | | | | | | | | |
| Biology (BA) | | 1 | | 100.0% | | | | | | | | | | | | | | | | | |
| Biology (BS) | | 205 | 57 | 78.2% | | | 197 | 58 | 77.3% | 5 | 1.9% | 174 | 59 | 74.7% | 27 | 10.4% | 18 | 64 | 22.0% | 176 | 68.2% |

Major Graduation Rate = Grad@major / (Enrolled + Left + Grad)@cohort

176 / (60 + 100 + 326) = 45.6%

EXAMPLES - GRADUATION RATES

| Elapsed Terms | 4 | 5 | | | | | 6 | | | | | 7 | | | | | 8 | | | | |
|-------------------------------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|----------|------|-----------|------|-----------|
| Type | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate | Enrolled | Left | Retention | Grad | Grad Rate |
| ☐ First-Time Freshman | | 403 | 83 | 82.9% | | | 385 | 89 | 81.2% | 12 | 2.5% | 344 | 95 | 78.4% | 47 | 9.7% | 60 | 100 | 37.5% | 326 | 67.1% |
| Accounting (BBA) | | 5 | | 100.0% | | | 5 | | 100.0% | | | 5 | 1 | 83.3% | | | 4 | | 100.0% | 1 | 20.0% |
| Anthropology (BA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | | 1 | | | | | 1 | | | |
| Anthropology (BS) | | 2 | 1 | 66.7% | | | 2 | 1 | 66.7% | 1 | 25.0% | 2 | 1 | 66.7% | 1 | 25.0% | | 1 | | 3 | 75.0% |
| Aviation Sciences (BSA) | | 1 | | 100.0% | | | 1 | | 100.0% | | | 1 | | 100.0% | | | | | | 1 | 100.0% |
| Baylor Business Fellows (BBA) | | 4 | | 100.0% | | | 4 | | 100.0% | | | 4 | | 100.0% | | | | | | 4 | 100.0% |
| Biochemistry (BA) | | 1 | | 100.0% | | | | | | 1 | 100.0% | | | | 1 | 100.0% | | | | 1 | 100.0% |
| Biochemistry (BS) | | 5 | | 100.0% | | | 6 | | 100.0% | | | 5 | 1 | 83.3% | | | | 2 | | 3 | 60.0% |
| Bioinformatics (BSI) | | | | | | | | | | | | | | | | | _ | | | | |
| Biology (BA) | | 1 | | 100.0% | | | | | | | | | | | | | | | | | |
| Biology (BS) | | 205 | 57 | 78.2% | | | 197 | 58 | 77.3% | 5 | 1.9% | 174 | 59 | 74.7% | 27 | 10.4% | 18 | 64 | 22.0% | 176 | 68.2% |
| | | | | | | | | | | | | | | | | | | | | | |

Intra-Major Graduation Rate = Grad / (Enrolled + Left + Grad)

176 / (18 + 64 + 176) = 68.2%

DATA STRUCTURE

| ID | Entry Term | Entry Department | Term | Term Department | Enrolled | Gone | Graduated |
|---------|------------|------------------|-------------|-----------------|----------|------|-----------|
| 6185933 | Fall 2009 | Business | Fall 2009 | Business | 1 | | |
| 6185933 | Fall 2009 | Business | Spring 2010 | Business | 1 | | |
| 6185933 | Fall 2009 | Business | Fall 2010 | Business | 1 | | |
| 6185933 | Fall 2009 | Business | Spring 2011 | Business | 1 | | |
| 6185933 | Fall 2009 | Business | Fall 2011 | Business | 1 | | |
| 6185933 | Fall 2009 | Business | Spring 2012 | Marketing | 1 | | |
| 6185933 | Fall 2009 | Business | Fall 2012 | Marketing | 1 | | |
| 6185933 | Fall 2009 | Business | Spring 2013 | Marketing | 1 | | |
| 6185933 | Fall 2009 | Business | Fall 2013 | Marketing | 1 | | |
| 6185933 | Fall 2009 | Business | Spring 2014 | Marketing | | | 1 |
| 6185933 | Fall 2009 | Business | Fall 2014 | Marketing | | | 1 |
| 6185933 | Fall 2009 | Business | Spring 2015 | Marketing | | | 1 |
| 6552468 | Fall 2009 | Biology | Fall 2009 | Biology | 1 | | |
| 6552468 | Fall 2009 | Biology | Spring 2010 | HHPR | 1 | | |
| 6552468 | Fall 2009 | Biology | Fall 2010 | HHPR | 1 | | |
| 6552468 | Fall 2009 | Biology | Spring 2011 | HHPR | 1 | | |
| 6552468 | Fall 2009 | Biology | Fall 2011 | HHPR | | 1 | |
| 6552468 | Fall 2009 | Biology | Spring 2012 | HHPR | | 1 | |

CREATE A CROSSTAB REPORT

- Filter by Entry Major and Entry Department
- Term Department for rows
- Terms as Columns
- Sum of Enrolled, Gone, Graduated as measures

EXAMPLES

| | | | | | Stat | us aft | er Fou | r Years | | | |
|--------------------------------|-------|------|-----------------|-------------------|-------|--------|-------------|----------------|-----------------|------|-----------------|
| | | | olled: Dept. | Enro Sar De | me | | eft ylor | Gradi Diff. | uated: Dept. | | uated: Dept. |
| | N | N | % | N | % | N | % | N | % | N | % |
| Entry Department | | | | | | | | | | | |
| Institute & Special Studies | 8 | 2 | 25.00 | - | - | 3 | 37.50 | - | - | 3 | 37.50 |
| Institute for Air Science | 22 | 1 | 4.55 | 3 | 13.64 | 8 | 36.36 | 5 | 22.73 | 5 | 22.73 |
| Journalism/Puble Rel/New Media | 178 | 7 | 3.93 | 9 | 5.06 | 40 | 22.47 | 59 | 33.15 | 63 | 35.39 |
| Latin American Studies | 1 | 1 | 100.00 | | | | | | | | |
| Mathematics | 73 | 6 | 8.22 | 3 | 4.11 | 26 | 35.62 | 18 | 24.66 | 20 | 27.40 |
| Modern Foreign Language | 51 | 3 | 5.88 | 2 | 3.92 | 12 | 23.53 | 20 | 39.22 | 14 | 27.45 |
| Museum Studies | 5 | - | | | - | 1 | 20.00 | 3 | 60.00 | 1 | 20.00 |
| Music | 354 | 19 | 5.37 | 92 | 25.99 | 86 | 24.29 | 26 | 7.34 | 131 | 37.01 |
| Nursing | 392 | 29 | 7.40 | 41 | 10.46 | 143 | 36.48 | 54 | 13.78 | 125 | 31.89 |
| Philosophy | 42 | 7 | 16.67 | 2 | 4.76 | 12 | 28.57 | 11 | 26.19 | 10 | 23.81 |
| Physics | 38 | 5 | 13.16 | 2 | 5.26 | 8 | 21.05 | 14 | 36.84 | 9 | 23.68 |
| Political Science | 408 | 23 | 5.64 | 14 | 3.43 | 87 | 21.32 | 93 | 22.79 | 191 | 46.81 |
| Psychology & Neuroscience | 716 | 66 | 9.22 | 47 | 6.56 | 227 | 31.70 | 160 | 22.35 | 216 | 30.17 |
| Religion | 64 | 7 | 10.94 | 2 | 3.13 | 13 | 20.31 | 18 | 28.13 | 24 | 37.50 |
| School of Social Work | 59 | 3 | 5.08 | 2 | 3.39 | 15 | 25.42 | 9 | 15.25 | 30 | 50.85 |
| Slavic Studies | 2 | | | | | | | 1 | 50.00 | 1 | 50.00 |
| Sociology | 23 | 4 | 17.39 | | - | 8 | 34.78 | 6 | 26.09 | 5 | 21.74 |
| Statistical Sciences | 5 | 1 | 20.00 | | - | 1 | 20.00 | 3 | 60.00 | | |
| Theater Arts | 113 | 3 | 2.65 | 5 | 4.42 | 18 | 15.93 | 13 | 11.50 | 74 | 65.49 |
| Undeclared Department | 1069 | 182 | 17.03 | 1 | 0.09 | 286 | 26.75 | 600 | 56.13 | | |
| University Scholars | 175 | 11 | 6.29 | 4 | 2.29 | 20 | 11.43 | 40 | 22.86 | 100 | 57.14 |
| All | 11675 | 1152 | 9.87 | 995 | 8.52 | 3077 | 26.36 | 2694 | 23.07 | 3757 | 32.18 |

"TAKE AWAYS"

- There is no single "right" answer
- Be consistent
 - Establish a cohort

QUESTIONS OR COMMENTS

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