# I1: JUST WHAT IS RETENTION ANYWAY? 

Faron Kincheloe
Baylor University

## 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/help-
center/answers/article/retention-rate
- Retention rate

A school's retention rate is the percentage of its firsttime 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 cohort 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 cohort 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 $\neq$ 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



## EXAMPLES - SPECIFIC MAJOR



## EXAMPLES - SPECIFIC MAJOR

| Elapsed Terms Type | Enrolled | Left | Retention | Grad | Grad Rate | 1 <br> Enrolled | Left | Retention | Grad | Grad Rate | 2 <br> Enrolled | Left | Retention |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ 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 Type | 0 Enrolled | Left | Retention | Grad | Grad Rate | 1 <br> Enrolled | Left | Retention | Grad | Grad Rate | $\begin{aligned} & 2 \\ & \text { Enrolled Left } \end{aligned}$ | etention |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ First-Time Freshman | 486 |  | 100.0\% |  |  | 462 | 24 | 95.1\% |  |  | 43056 | 88.5\% |
| Accounting (BBA) |  |  |  |  |  |  |  |  |  |  | 4 |  |
| Anthropology (BA) |  |  |  |  |  |  |  |  |  |  | 1 | 100.0\% |
| Anthropology (BS) |  |  |  |  |  |  |  |  |  |  |  |  |
| Aviation Sciences (BSA) |  |  |  |  |  |  |  |  |  |  |  | 100.0\% |
| Baylor Business Fellows (BBA) |  |  |  |  |  | 3 |  | 100.0\% |  |  |  | 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 <br> Type | 0 <br> Enrolled | Left | Retention | Grad | Grad Rate | $1$ <br> Enrolled | Left | Retention | Grad | Grad Rate | $2$ <br> Enrolled | Left | Retention |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ 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

| Baylor University <br> OFFICE OF INSTITUTIONAL RESEARCH | Entry Term |  | Student Type | Entry College \& Dept. | Entry Program |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fall 2018 | $\checkmark$ | First-Time Freshman $\vee$ | Arts \& Sciences (Entr... V | Biology (BS) | $\checkmark$ |


| Elapsed Terms <br> Type | 4 Grad Rate | 5 <br> Enrolled | Left | Retention | Grad | Grad Rate | 6 <br> Enrolled | Left | Retention | Grad | Grad Rate | $7$ <br> Enrolled | Left | Retention | Grad | Grad Rate | 8 <br> Enrolled | Left | Retention | Grad | Grad Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ 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) <br> Total |  | $403$ | 83 | $82.9 \%$ |  |  | 385 | 89 | $\begin{gathered} 100.0 \% \\ 81.2 \% \end{gathered}$ | 12 | 2.5\% | 4 344 | 95 | $\begin{gathered} 100.0 \% \\ \mathbf{7 8 . 4 \%} \end{gathered}$ | 47 | 9.7\% | 60 | 100 | 37.5\% | 3 326 | $67.1 \%$ |

## EXAMPLES - GRADUATION RATES

| Elapsed Terms Type | 4 <br> Grad Rate | 5 <br> Enrolled | Left | Retention | Grad | Grad Rate | 6 <br> Enrolled | Left | Retention | Grad | Grad Rate | $7$ <br> Enrolled | Left | Retention | Grad | Grad Rate | 8 Enrg/ed | Left | Retention | Grad | Grad |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ 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\% | 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



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

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

## EXAMPLES - GRADUATION RATES

| Elapsed Terms <br> Type | 4 Grad Rate | 5 <br> Enrolled | Left | Retention | Grad | Grad Rate | $6$ <br> Enrolled | Left | Retention | Grad | Grad Rate | $\begin{aligned} & 7 \\ & \text { Enrolled } \end{aligned}$ | Left | Retention | Grad | Grad Rate | 8 <br> Enrolled | Left | Retention | Grad | Grad Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ 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\% |

$$
\begin{aligned}
& \text { Intra-Major Graduation Rate }=\text { Grad } /(\text { Enrolled }+ \text { Left }+ \text { Grad }) \\
& 176 /(18+64+176)=68.2 \%
\end{aligned}
$$

## 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

|  |  | Status after Four Years |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Enrolled: Diff. Dept. |  | Enrolled: <br> Same <br> Dept. |  | Left Baylor |  | Graduated: Diff. Dept. |  | Graduated: Same 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/Publc 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 | - | $\cdot$ | . | - | 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 | - | $\cdot$ | . | - | - | . | 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

Faron_Kincheloe@baylor.edu

