



Las Positas College  
**Discipline Program Review Data Packet**  
Fall 2018 to Spring 2023

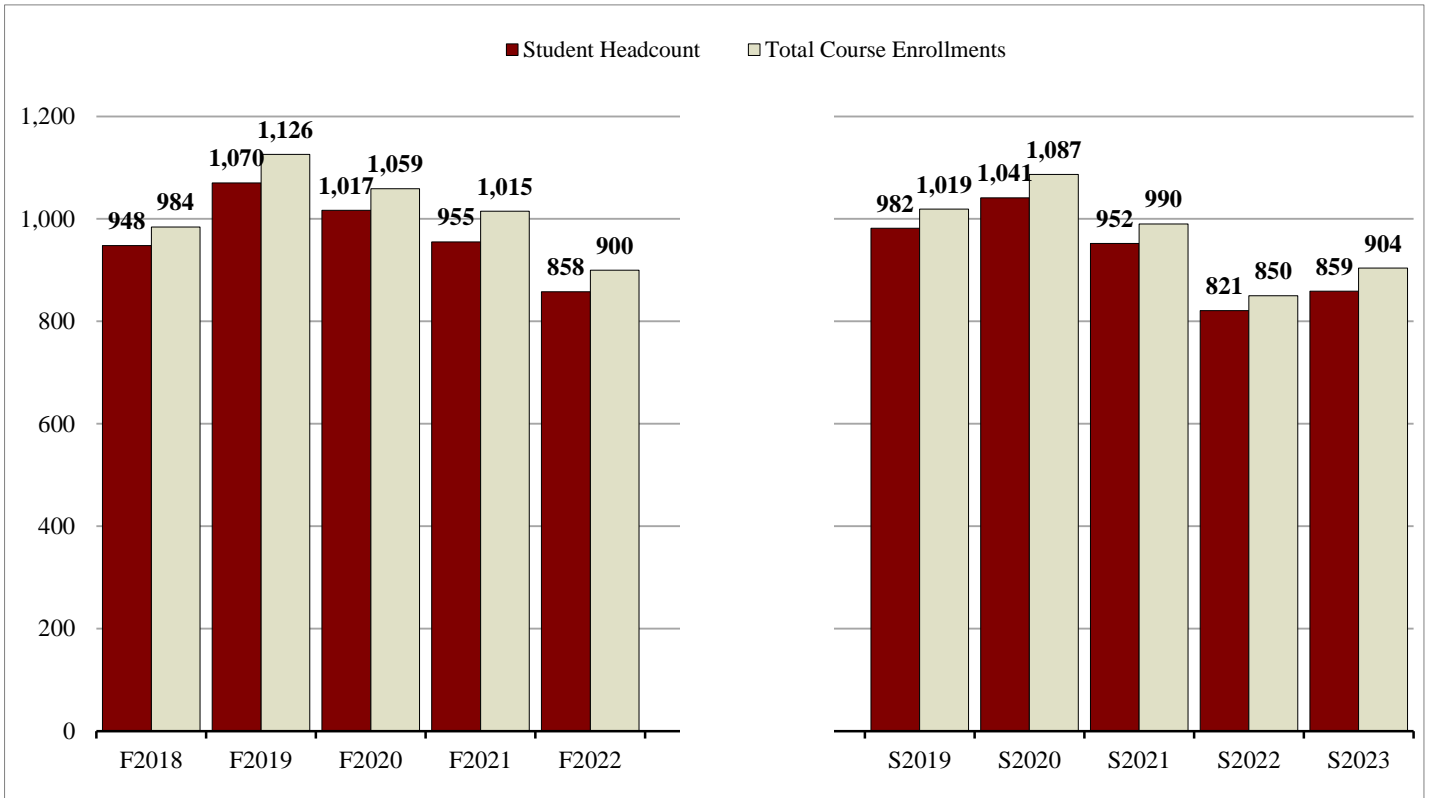
Discipline:

**Biological Sciences (BIO)**

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### Headcount & Enrollment

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| Student Headcount           | 948        | 1,070 | 1,017 | 955   | 858   | 982          | 1,041 | 952   | 821   | 859   |
| Total Course Enrollments    | 984        | 1,126 | 1,059 | 1,015 | 900   | 1,019        | 1,087 | 990   | 850   | 904   |



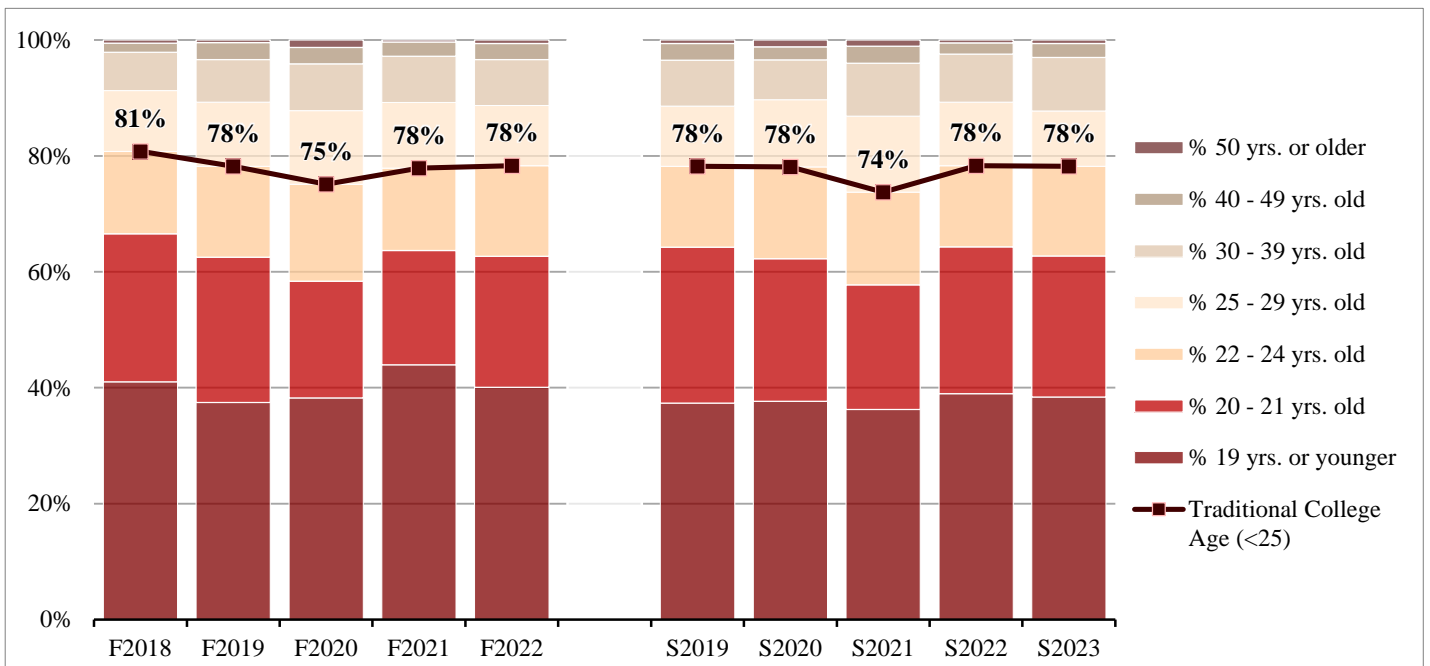
**Definitions:**

**Student Headcount** is the unduplicated count of students enrolled in all courses within the discipline.

**Total Course Enrollments** is the sum of all course enrollments (filled seats) within the discipline.

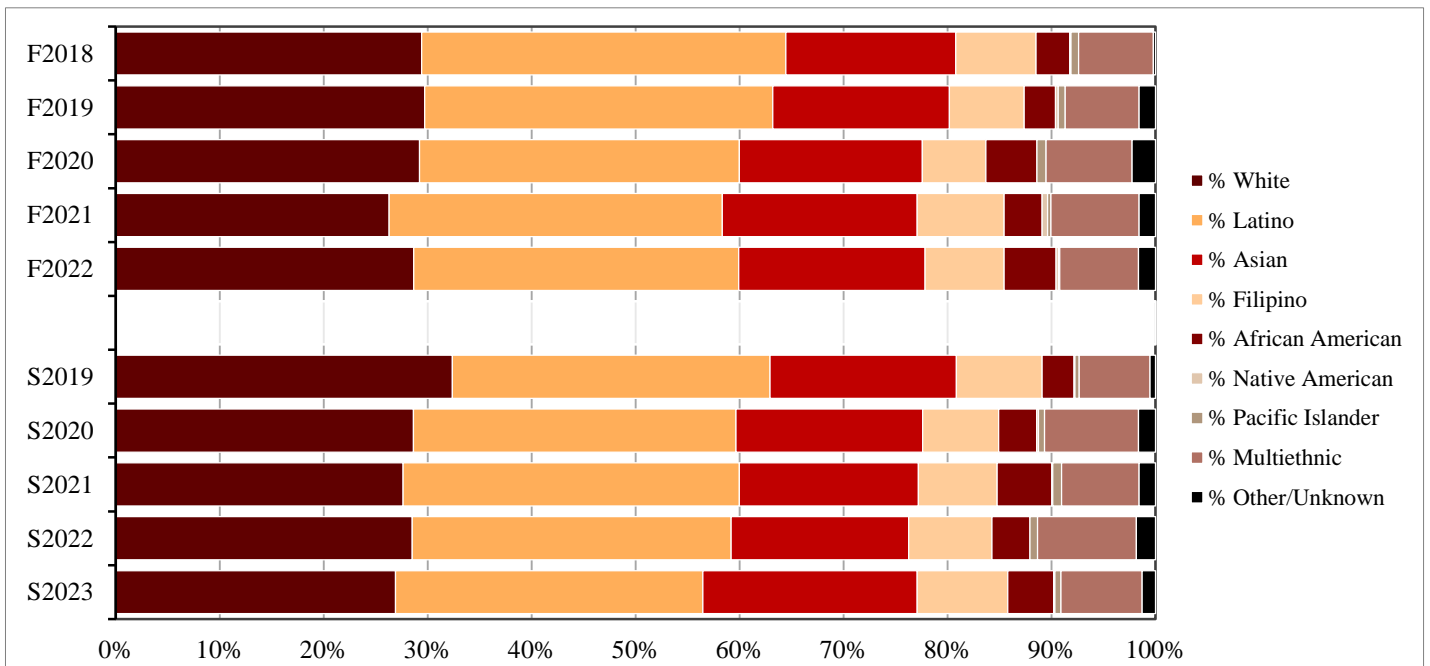
### Student Demographics: Gender & Age

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| Female                      | 597        | 665   | 681   | 626   | 547   | 635          | 664   | 603   | 524   | 539   |
| Male                        | 333        | 387   | 321   | 316   | 300   | 336          | 359   | 333   | 291   | 305   |
| 19 yrs. or younger          | 389        | 401   | 389   | 420   | 344   | 367          | 392   | 345   | 320   | 330   |
| 20-21 yrs. old              | 242        | 268   | 205   | 188   | 194   | 264          | 256   | 205   | 208   | 209   |
| 22-24 yrs. old              | 135        | 168   | 170   | 136   | 134   | 137          | 165   | 152   | 115   | 133   |
| 25-29 yrs. old              | 99         | 118   | 129   | 108   | 89    | 102          | 121   | 125   | 90    | 82    |
| 30-39 yrs. old              | 63         | 79    | 82    | 76    | 68    | 78           | 71    | 87    | 68    | 79    |
| 40-49 yrs. old              | 15         | 31    | 29    | 24    | 24    | 28           | 24    | 28    | 16    | 21    |
| 50 yrs. or older            | 5          | 5     | 13    | 3     | 5     | 6            | 12    | 10    | 4     | 5     |
| % Female                    | 64%        | 63%   | 68%   | 66%   | 65%   | 65%          | 65%   | 64%   | 64%   | 64%   |
| % Male                      | 36%        | 37%   | 32%   | 34%   | 35%   | 35%          | 35%   | 36%   | 36%   | 36%   |
| % 19 yrs. or younger        | 41%        | 37%   | 38%   | 44%   | 40%   | 37%          | 38%   | 36%   | 39%   | 38%   |
| % 20 - 21 yrs. old          | 26%        | 25%   | 20%   | 20%   | 23%   | 27%          | 25%   | 22%   | 25%   | 24%   |
| % 22 - 24 yrs. old          | 14%        | 16%   | 17%   | 14%   | 16%   | 14%          | 16%   | 16%   | 14%   | 15%   |
| % 25 - 29 yrs. old          | 10%        | 11%   | 13%   | 11%   | 10%   | 10%          | 12%   | 13%   | 11%   | 10%   |
| % 30 - 39 yrs. old          | 7%         | 7%    | 8%    | 8%    | 8%    | 8%           | 7%    | 9%    | 8%    | 9%    |
| % 40 - 49 yrs. old          | 2%         | 3%    | 3%    | 3%    | 3%    | 3%           | 2%    | 3%    | 2%    | 2%    |
| % 50 yrs. or older          | 1%         | <1%   | 1%    | <1%   | 1%    | 1%           | 1%    | 1%    | <1%   | 1%    |



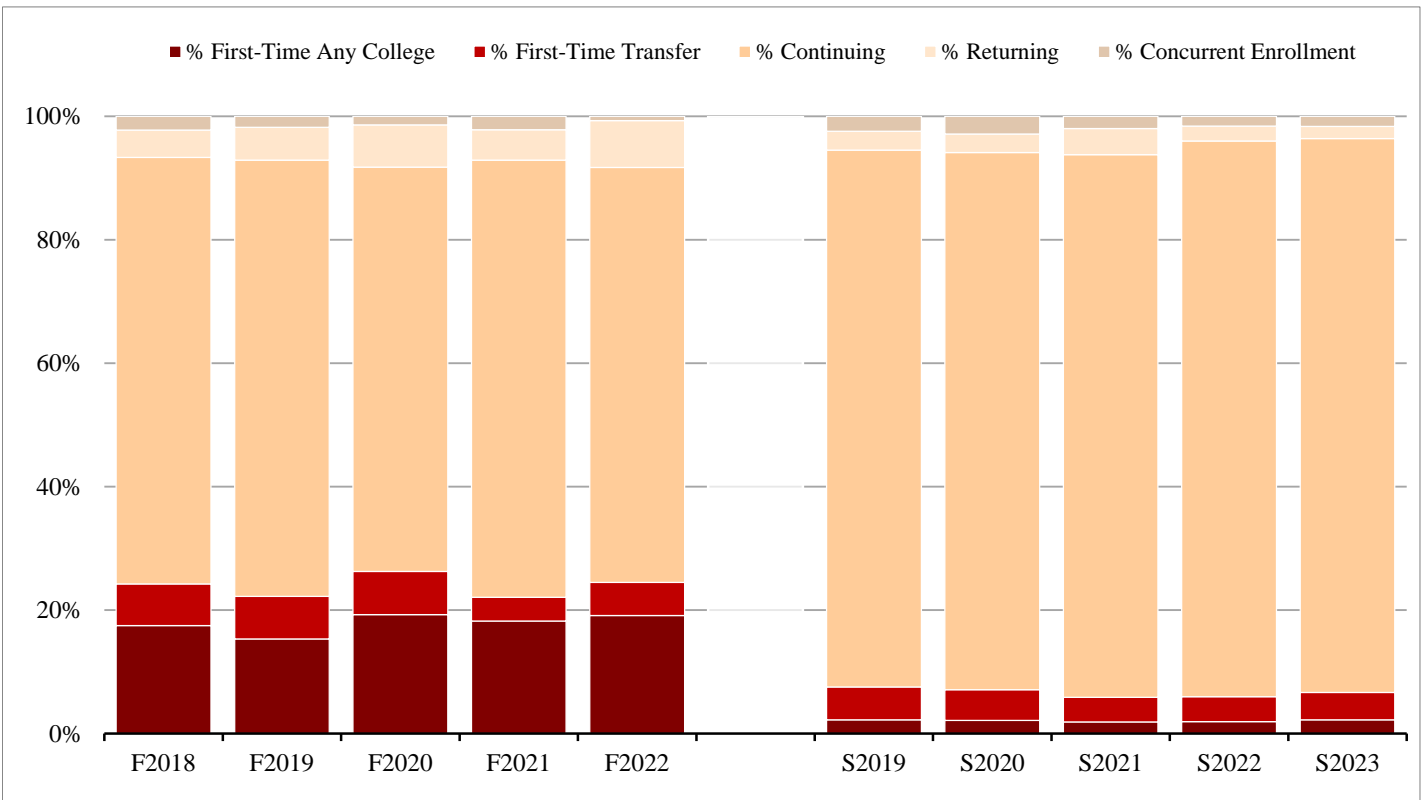
**Student Demographic: Race-Ethnicity**

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| African American            | 31         | 32    | 50    | 35    | 43    | 30           | 38    | 50    | 30    | 38    |
| Asian                       | 155        | 182   | 179   | 179   | 154   | 176          | 187   | 164   | 140   | 177   |
| Filipino                    | 73         | 77    | 62    | 80    | 65    | 81           | 76    | 72    | 66    | 75    |
| Latino                      | 332        | 358   | 313   | 306   | 268   | 300          | 323   | 308   | 252   | 254   |
| Native American             | 1          | 3     | 0     | 5     | 2     | 1            | 2     | 1     | 0     | 1     |
| Pacific Islander            | 7          | 7     | 9     | 3     | 1     | 4            | 6     | 8     | 6     | 5     |
| White                       | 279        | 318   | 297   | 251   | 246   | 318          | 298   | 263   | 234   | 231   |
| Multiethnic                 | 68         | 76    | 84    | 81    | 65    | 67           | 94    | 71    | 78    | 67    |
| Other/Unknown               | 2          | 17    | 23    | 15    | 14    | 5            | 17    | 15    | 15    | 11    |
| % African American          | 3%         | 3%    | 5%    | 4%    | 5%    | 3%           | 4%    | 5%    | 4%    | 4%    |
| % Asian                     | 16%        | 17%   | 18%   | 19%   | 18%   | 18%          | 18%   | 17%   | 17%   | 21%   |
| % Filipino                  | 8%         | 7%    | 6%    | 8%    | 8%    | 8%           | 7%    | 8%    | 8%    | 9%    |
| % Latino                    | 35%        | 33%   | 31%   | 32%   | 31%   | 31%          | 31%   | 32%   | 31%   | 30%   |
| % Native American           | <1%        | <1%   | 0%    | 1%    | <1%   | <1%          | <1%   | <1%   | 0%    | <1%   |
| % Pacific Islander          | 1%         | 1%    | 1%    | <1%   | <1%   | <1%          | 1%    | 1%    | 1%    | 1%    |
| % White                     | 29%        | 30%   | 29%   | 26%   | 29%   | 32%          | 29%   | 28%   | 29%   | 27%   |
| % Multiethnic               | 7%         | 7%    | 8%    | 8%    | 8%    | 7%           | 9%    | 7%    | 10%   | 8%    |
| % Other/Unknown             | <1%        | 2%    | 2%    | 2%    | 2%    | 1%           | 2%    | 2%    | 2%    | 1%    |



### Student Enrollment Status

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| First-Time Any College      | 166        | 164   | 196   | 174   | 164   | 22           | 22    | 18    | 16    | 19    |
| First-Time Transfer         | 64         | 74    | 71    | 37    | 46    | 52           | 52    | 38    | 33    | 38    |
| Continuing                  | 655        | 756   | 666   | 676   | 577   | 854          | 906   | 837   | 739   | 771   |
| Returning                   | 42         | 57    | 70    | 47    | 65    | 30           | 31    | 40    | 20    | 17    |
| Concurrent Enrollment       | 21         | 19    | 14    | 21    | 6     | 24           | 30    | 19    | 13    | 14    |
| % First-Time Any College    | 18%        | 15%   | 19%   | 18%   | 19%   | 2%           | 2%    | 2%    | 2%    | 2%    |
| % First-Time Transfer       | 7%         | 7%    | 7%    | 4%    | 5%    | 5%           | 5%    | 4%    | 4%    | 4%    |
| % Continuing                | 69%        | 71%   | 65%   | 71%   | 67%   | 87%          | 87%   | 88%   | 90%   | 90%   |
| % Returning                 | 4%         | 5%    | 7%    | 5%    | 8%    | 3%           | 3%    | 4%    | 2%    | 2%    |
| % Concurrent Enrollment     | 2%         | 2%    | 1%    | 2%    | 1%    | 2%           | 3%    | 2%    | 2%    | 2%    |



**Definitions:**

**First-Time Any College:** Students enrolled in college for the first time.

**First-Time Transfer:** Students transferring to LPC in the current semester from another community college or university.

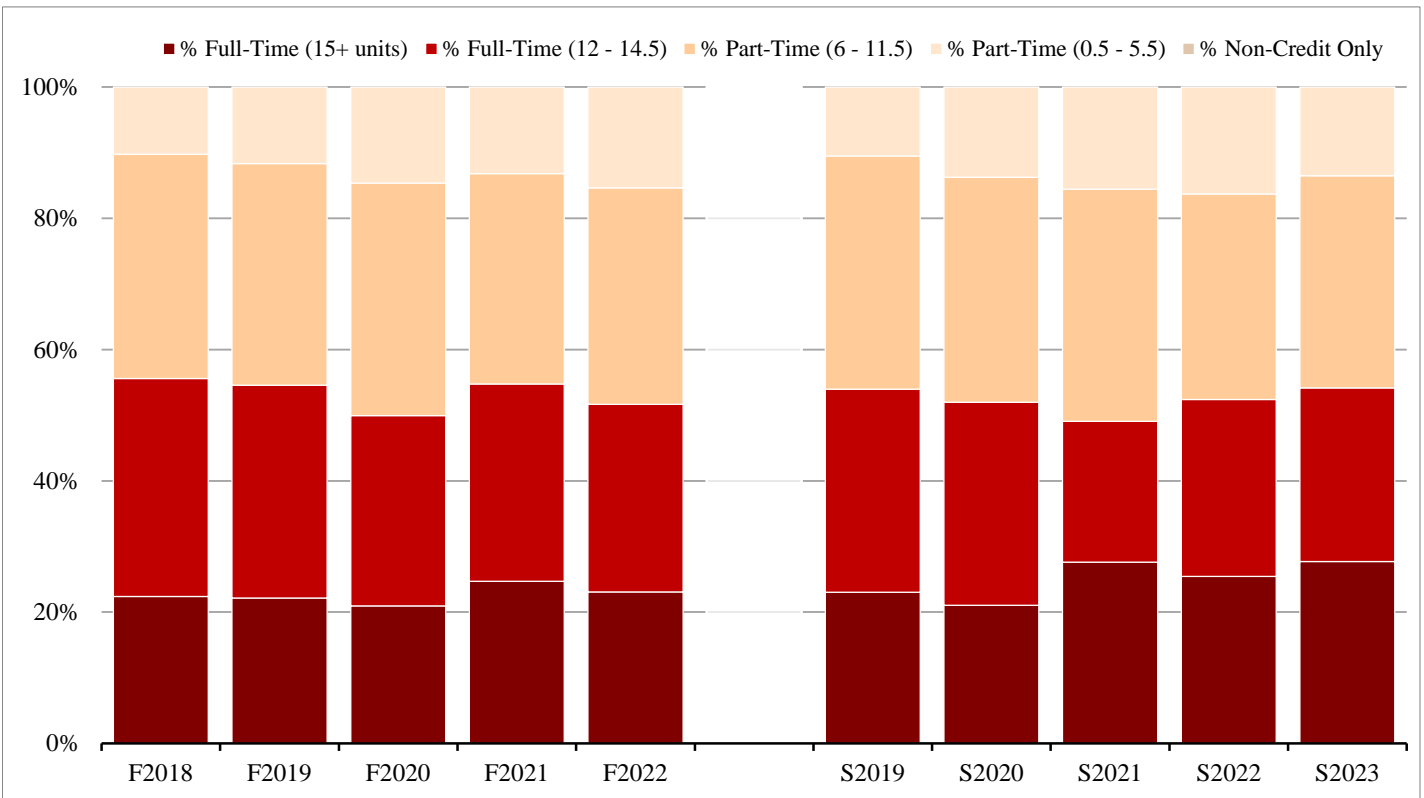
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**Returning:** Students enrolled at LPC after an absence of one or more primary terms from the District.

**Concurrent Enrollment:** A special admit student currently enrolled in K-12.

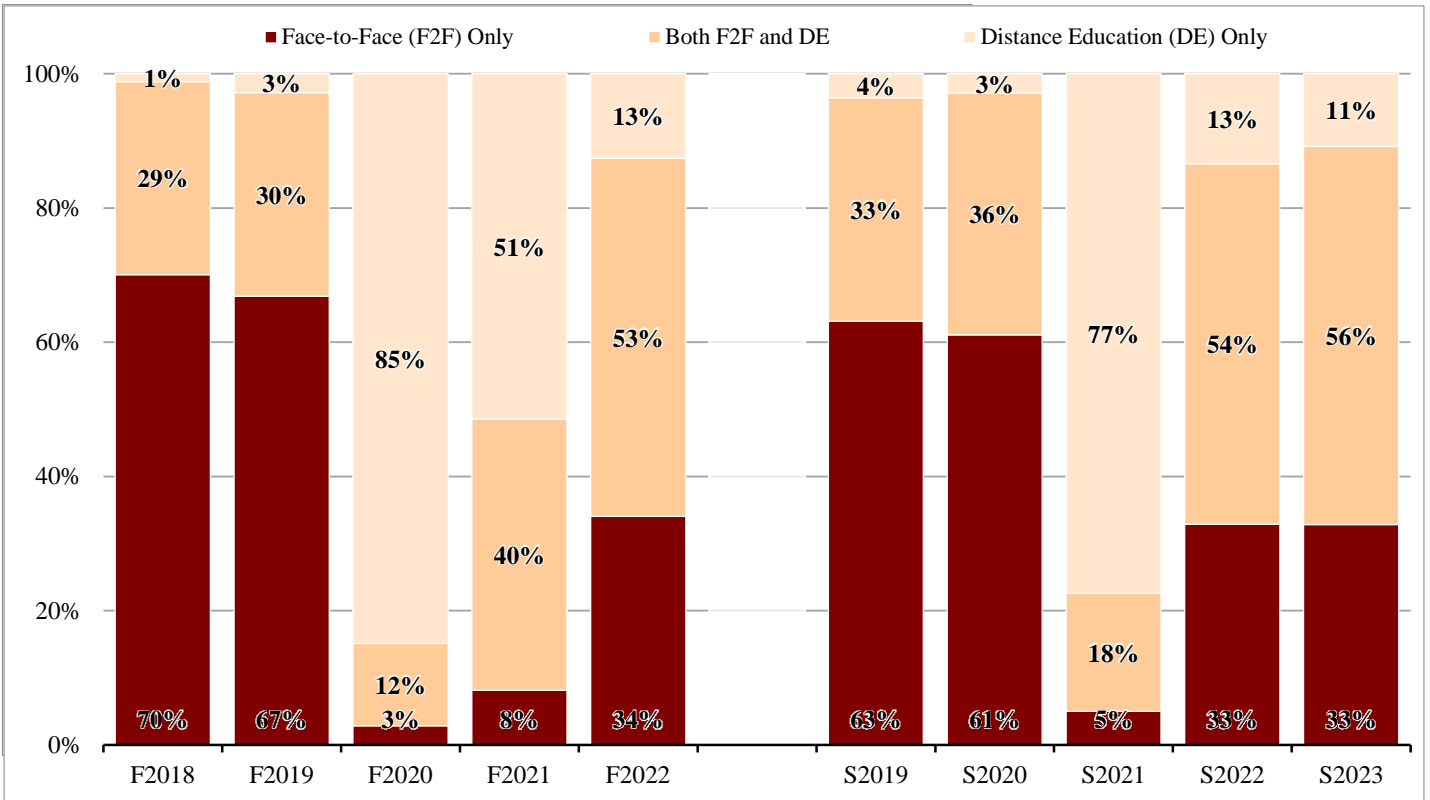
### Student Unit Load

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| Full-Time (15+ units)       | 212        | 237   | 213   | 236   | 198   | 226          | 219   | 263   | 209   | 238   |
| Full-Time (12 - 14.5 units) | 315        | 347   | 295   | 287   | 245   | 304          | 322   | 204   | 221   | 227   |
| Part-Time (6 - 11.5 units)  | 324        | 361   | 360   | 306   | 283   | 349          | 357   | 337   | 257   | 278   |
| Part-Time (0.5 - 5.5 units) | 97         | 125   | 149   | 126   | 132   | 103          | 143   | 148   | 134   | 116   |
| Non-Credit Only             | 0          | 0     | 0     | 0     | 0     | 0            | 0     | 0     | 0     | 0     |
| % Full-Time (15+ units)     | 22%        | 22%   | 21%   | 25%   | 23%   | 23%          | 21%   | 28%   | 25%   | 28%   |
| % Full-Time (12 - 14.5)     | 33%        | 32%   | 29%   | 30%   | 29%   | 31%          | 31%   | 21%   | 27%   | 26%   |
| % Part-Time (6 - 11.5)      | 34%        | 34%   | 35%   | 32%   | 33%   | 36%          | 34%   | 35%   | 31%   | 32%   |
| % Part-Time (0.5 - 5.5)     | 10%        | 12%   | 15%   | 13%   | 15%   | 10%          | 14%   | 16%   | 16%   | 14%   |
| % Non-Credit Only           | 0%         | 0%    | 0%    | 0%    | 0%    | 0%           | 0%    | 0%    | 0%    | 0%    |



### Students Using Distance Education

| Biological Sciences ( BIO )                         |            |       |       |       |       |              |       |       |       |       |
|-----------------------------------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
| <i>(Categories reflect college-wide coursework)</i> | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                                                     | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| Face-to-Face (F2F) Only                             | 664        | 715   | 29    | 78    | 292   | 620          | 636   | 48    | 270   | 282   |
| Both F2F and DE                                     | 273        | 325   | 125   | 386   | 458   | 327          | 375   | 167   | 441   | 484   |
| Distance Education (DE) Only                        | 11         | 30    | 863   | 491   | 108   | 35           | 30    | 737   | 110   | 93    |
| % Face-to-Face (F2F) Only                           | 70%        | 67%   | 3%    | 8%    | 34%   | 63%          | 61%   | 5%    | 33%   | 33%   |
| % Both F2F and DE                                   | 29%        | 30%   | 12%   | 40%   | 53%   | 33%          | 36%   | 18%   | 54%   | 56%   |
| % Distance Education (DE) Only                      | 1%         | 3%    | 85%   | 51%   | 13%   | 4%           | 3%    | 77%   | 13%   | 11%   |

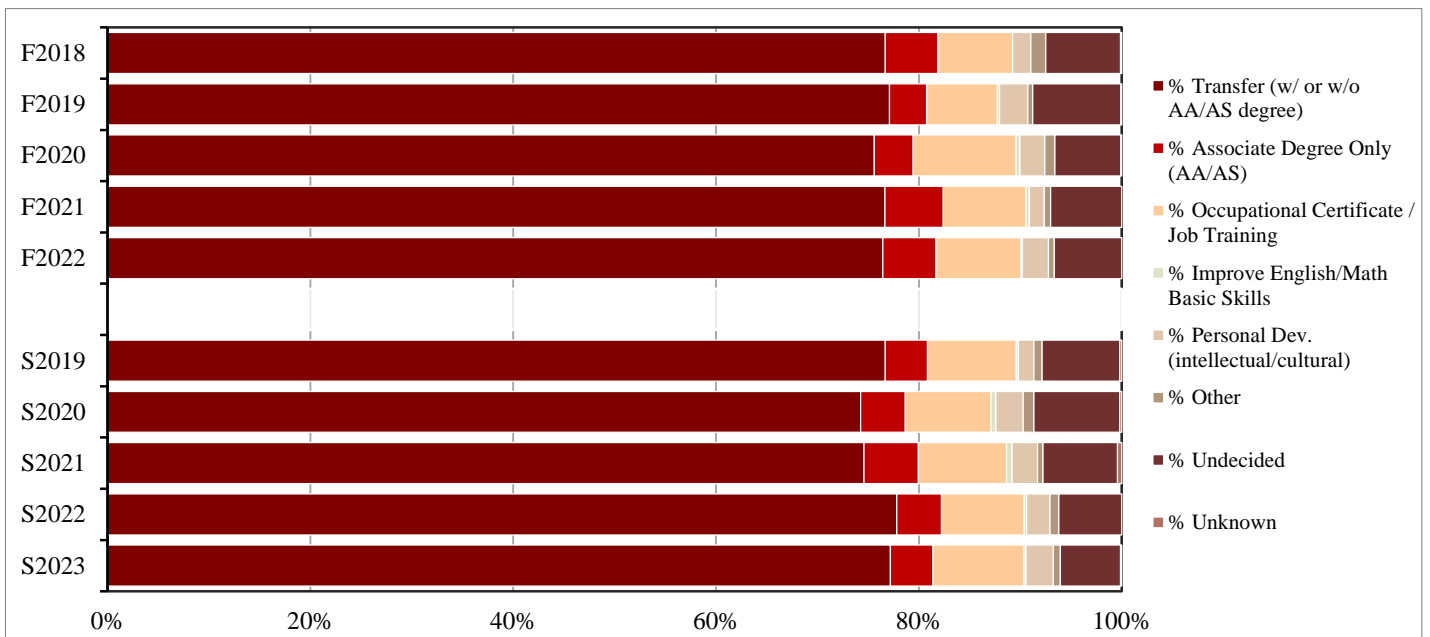


**Definitions:**

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

### Student Educational Goal

| Biological Sciences ( BIO )                  |            |       |       |       |       |              |       |       |       |       |
|----------------------------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                                              | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                                              | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| Transfer (w/ or w/o AA/AS degree)            | 727        | 825   | 769   | 732   | 656   | 753          | 773   | 710   | 639   | 663   |
| Associate Degree Only (AA/AS)                | 49         | 39    | 39    | 55    | 45    | 41           | 46    | 51    | 36    | 36    |
| Occupational Certificate / Job Training      | 70         | 75    | 103   | 78    | 72    | 86           | 88    | 83    | 67    | 77    |
| Improve English/Math Basic Skills            | 0          | 2     | 4     | 3     | 1     | 2            | 5     | 5     | 2     | 2     |
| Personal Development (intellectual/cultural) | 17         | 30    | 25    | 14    | 22    | 15           | 28    | 24    | 19    | 23    |
| Other                                        | 14         | 5     | 10    | 6     | 5     | 8            | 11    | 5     | 7     | 6     |
| Undecided                                    | 70         | 93    | 66    | 67    | 57    | 75           | 88    | 70    | 51    | 51    |
| Unknown                                      | 1          | 1     | 1     | 0     | 0     | 2            | 2     | 4     | 0     | 1     |
| % Transfer (w/ or w/o AA/AS degree)          | 77%        | 77%   | 76%   | 77%   | 76%   | 77%          | 74%   | 75%   | 78%   | 77%   |
| % Associate Degree Only (AA/AS)              | 5%         | 4%    | 4%    | 6%    | 5%    | 4%           | 4%    | 5%    | 4%    | 4%    |
| % Occupational Certificate / Job Training    | 7%         | 7%    | 10%   | 8%    | 8%    | 9%           | 8%    | 9%    | 8%    | 9%    |
| % Improve English/Math Basic Skills          | 0%         | <1%   | <1%   | <1%   | <1%   | <1%          | <1%   | 1%    | <1%   | <1%   |
| % Personal Dev. (intellectual/cultural)      | 2%         | 3%    | 2%    | 1%    | 3%    | 2%           | 3%    | 3%    | 2%    | 3%    |
| % Other                                      | 1%         | <1%   | 1%    | 1%    | 1%    | 1%           | 1%    | 1%    | 1%    | 1%    |
| % Undecided                                  | 7%         | 9%    | 6%    | 7%    | 7%    | 8%           | 8%    | 7%    | 6%    | 6%    |
| % Unknown                                    | <1%        | <1%   | <1%   | 0%    | 0%    | <1%          | <1%   | <1%   | 0%    | <1%   |



**Definitions:**

**Transfer:** Students who want to transfer to a 4-year university. Includes students enrolled in 4-year institutions completing requirements at LPC.

**Occupational Certificate/Job Training:** Acquire job skills, explore career interests, earn a certificate, or maintain a certificate/license.

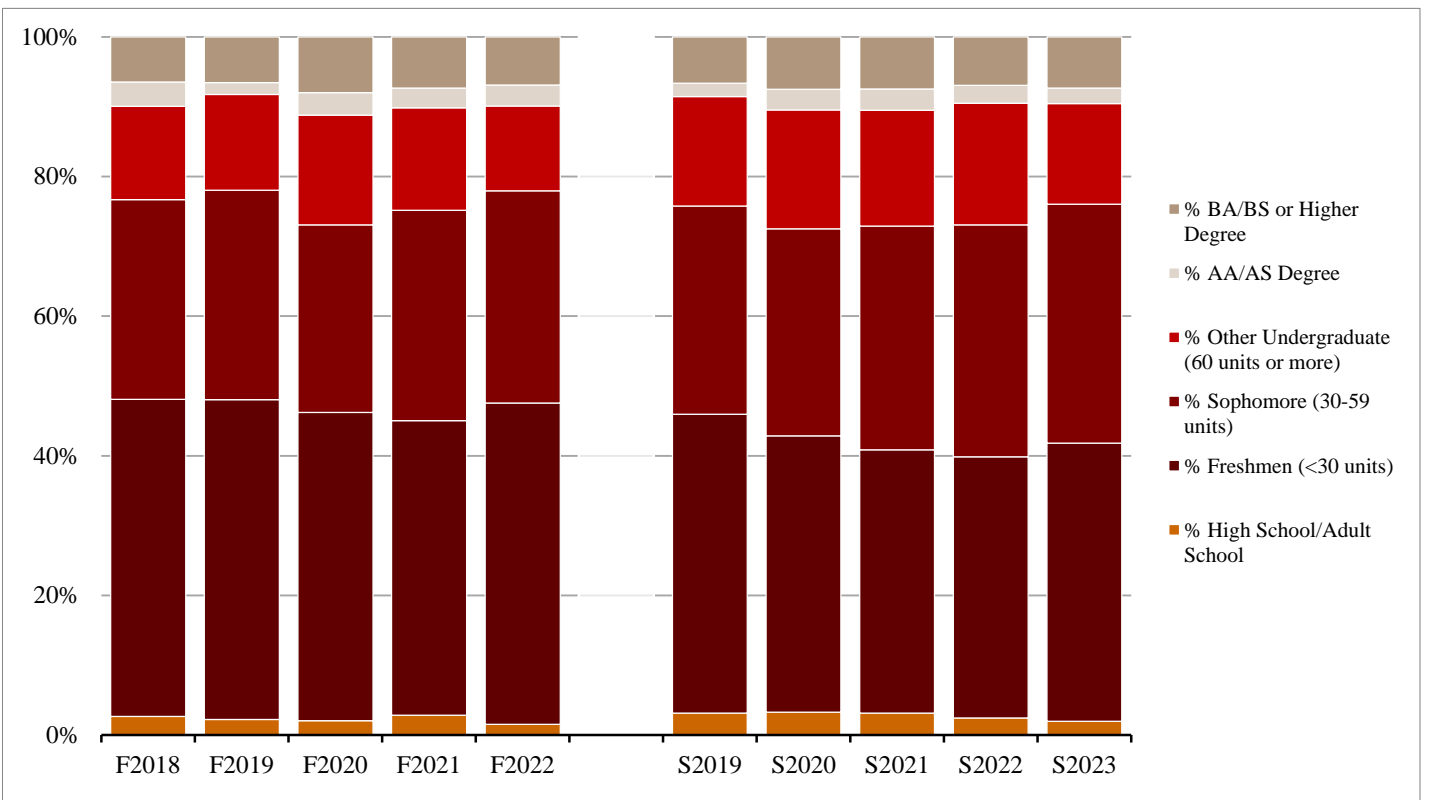
**Personal Development:** Students taking courses for intellectual and/or cultural development.

**Other:** Students completing diploma/GED requirements or moving from non-credit to credit courses. Data from admission application.



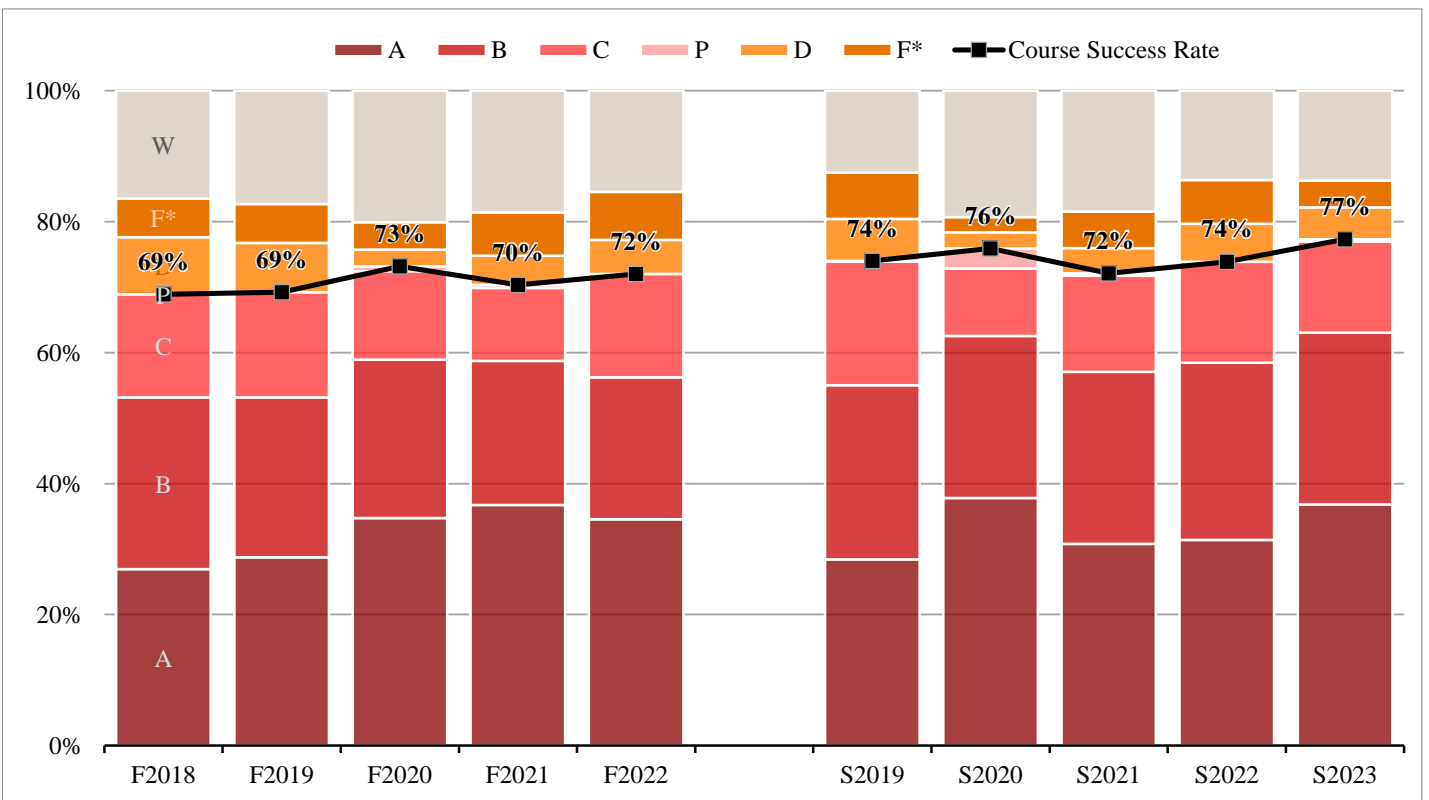
### Highest Educational Level of Students

| Biological Sciences ( BIO )              |            |       |       |       |       |              |       |       |       |       |
|------------------------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                                          | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                                          | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| High School/Adult School                 | 25         | 24    | 21    | 27    | 13    | 31           | 34    | 30    | 20    | 17    |
| Freshmen (<30 units)                     | 431        | 490   | 449   | 403   | 395   | 420          | 412   | 359   | 307   | 342   |
| Sophomore (30-59 units)                  | 271        | 321   | 273   | 288   | 261   | 293          | 309   | 305   | 273   | 294   |
| Other Undergraduate (60 units or more)   | 127        | 147   | 160   | 140   | 104   | 154          | 177   | 158   | 143   | 124   |
| AA/AS Degree                             | 33         | 18    | 33    | 27    | 26    | 19           | 31    | 29    | 21    | 19    |
| BA/BS or Higher Degree                   | 61         | 70    | 81    | 70    | 59    | 65           | 78    | 71    | 57    | 63    |
| % High School/Adult School               | 3%         | 2%    | 2%    | 3%    | 2%    | 3%           | 3%    | 3%    | 2%    | 2%    |
| % Freshmen (<30 units)                   | 45%        | 46%   | 44%   | 42%   | 46%   | 43%          | 40%   | 38%   | 37%   | 40%   |
| % Sophomore (30-59 units)                | 29%        | 30%   | 27%   | 30%   | 30%   | 30%          | 30%   | 32%   | 33%   | 34%   |
| % Other Undergraduate (60 units or more) | 13%        | 14%   | 16%   | 15%   | 12%   | 16%          | 17%   | 17%   | 17%   | 14%   |
| % AA/AS Degree                           | 3%         | 2%    | 3%    | 3%    | 3%    | 2%           | 3%    | 3%    | 3%    | 2%    |
| % BA/BS or Higher Degree                 | 6%         | 7%    | 8%    | 7%    | 7%    | 7%           | 7%    | 7%    | 7%    | 7%    |



### Student Performance: Grade Distribution

| Biological Sciences ( BIO )     |            |       |       |       |       |              |       |       |       |       |
|---------------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                                 | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                                 | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| <b>Total Course Enrollments</b> | 984        | 1,126 | 1,059 | 1,015 | 900   | 1,019        | 1,087 | 990   | 850   | 904   |
| <b>Course Success Rates</b>     | 69%        | 69%   | 73%   | 70%   | 72%   | 74%          | 76%   | 72%   | 74%   | 77%   |
| A                               | 27%        | 29%   | 35%   | 37%   | 35%   | 28%          | 38%   | 31%   | 31%   | 37%   |
| B                               | 26%        | 24%   | 24%   | 22%   | 22%   | 27%          | 25%   | 26%   | 27%   | 26%   |
| C                               | 16%        | 16%   | 14%   | 11%   | 16%   | 19%          | 10%   | 15%   | 15%   | 14%   |
| P                               | 0%         | 0%    | 1%    | 0%    | 0%    | <1%          | 3%    | <1%   | 0%    | <1%   |
| <b>Course Non-Success Rate</b>  | 15%        | 13%   | 7%    | 11%   | 13%   | 13%          | 5%    | 9%    | 12%   | 9%    |
| D                               | 9%         | 8%    | 3%    | 4%    | 5%    | 6%           | 2%    | 4%    | 6%    | 5%    |
| F*                              | 6%         | 6%    | 4%    | 7%    | 7%    | 7%           | 2%    | 6%    | 7%    | 4%    |
| <b>Withdrawals (See Note)</b>   | 16%        | 17%   | 20%   | 19%   | 15%   | 13%          | 19%   | 18%   | 14%   | 14%   |



**Definitions:**

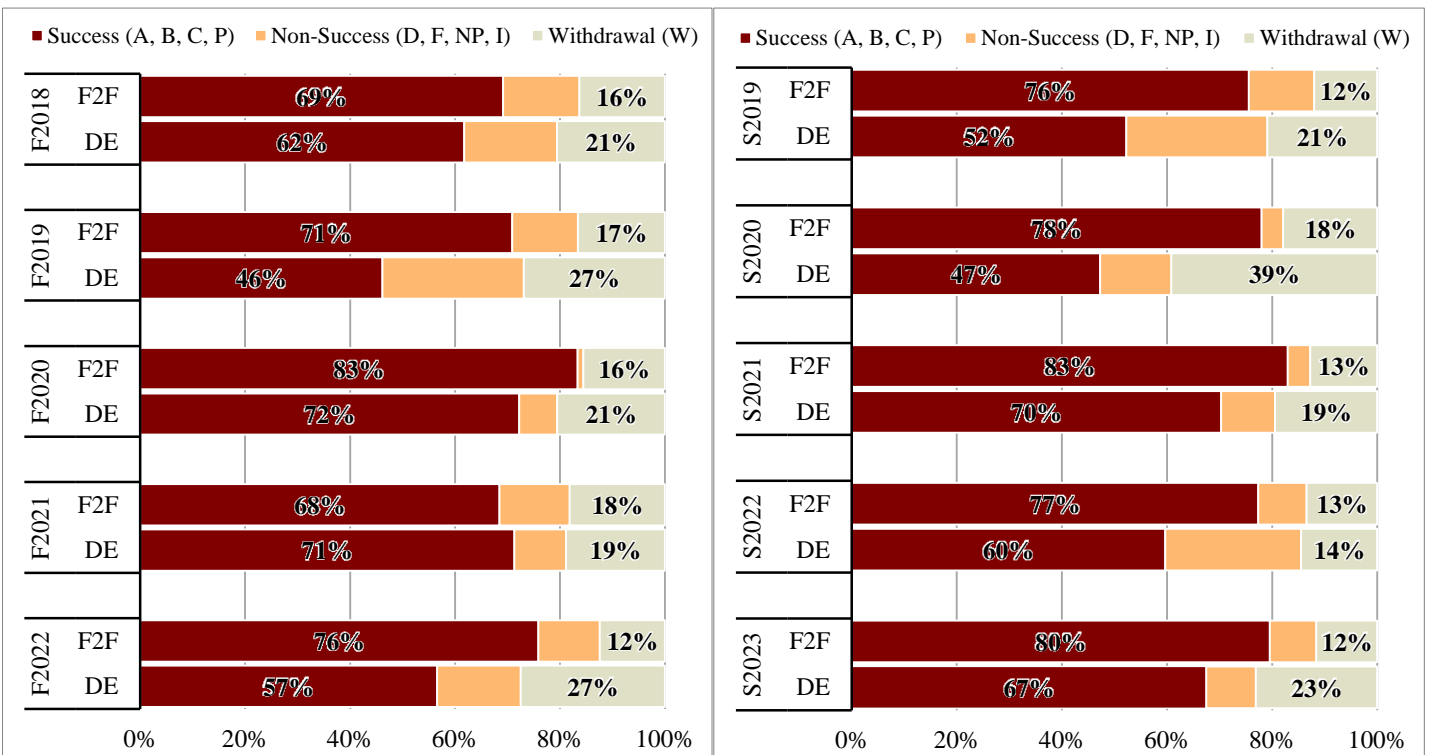
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D' or F\* (includes: 'F', 'NP', 'I', 'NCD', 'NCF', or 'NCNP').

**Withdrawals** are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

### Student Performance: Distance Education

| Biological Sciences ( BIO )             |            |              |              |              |            |              |              |            |            |            |
|-----------------------------------------|------------|--------------|--------------|--------------|------------|--------------|--------------|------------|------------|------------|
|                                         | Fall Terms |              |              |              |            | Spring Terms |              |            |            |            |
|                                         | F2018      | F2019        | F2020        | F2021        | F2022      | S2019        | S2020        | S2021      | S2022      | S2023      |
| <b>Total Course Enrollments</b>         | <b>984</b> | <b>1,126</b> | <b>1,059</b> | <b>1,015</b> | <b>900</b> | <b>1,019</b> | <b>1,087</b> | <b>990</b> | <b>850</b> | <b>904</b> |
| <b>Face-to-Face (F2F) Sections</b>      | <b>950</b> | <b>1,048</b> | <b>90</b>    | <b>336</b>   | <b>718</b> | <b>952</b>   | <b>1,013</b> | <b>141</b> | <b>684</b> | <b>735</b> |
| Success Rates                           | 69%        | 71%          | 83%          | 68%          | 76%        | 76%          | 78%          | 83%        | 77%        | 80%        |
| Non-Success Rates                       | 15%        | 12%          | 1%           | 13%          | 12%        | 12%          | 4%           | 4%         | 9%         | 9%         |
| Withdrawals                             | 16%        | 17%          | 16%          | 18%          | 12%        | 12%          | 18%          | 13%        | 13%        | 12%        |
| <b>Distance Education (DE) Sections</b> | <b>34</b>  | <b>78</b>    | <b>969</b>   | <b>679</b>   | <b>182</b> | <b>67</b>    | <b>74</b>    | <b>849</b> | <b>166</b> | <b>169</b> |
| Success Rates                           | 62%        | 46%          | 72%          | 71%          | 57%        | 52%          | 47%          | 70%        | 60%        | 67%        |
| Non-Success Rates                       | 18%        | 27%          | 7%           | 10%          | 16%        | 27%          | 14%          | 10%        | 26%        | 9%         |
| Withdrawals                             | 21%        | 27%          | 21%          | 19%          | 27%        | 21%          | 39%          | 19%        | 14%        | 23%        |



**Definitions:**

**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

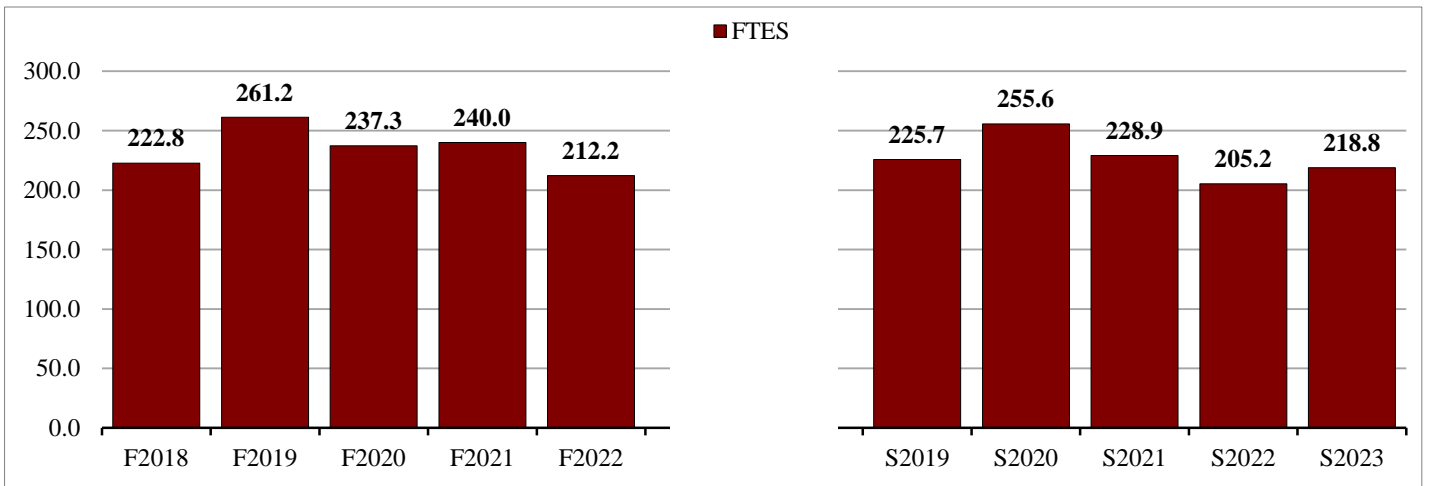
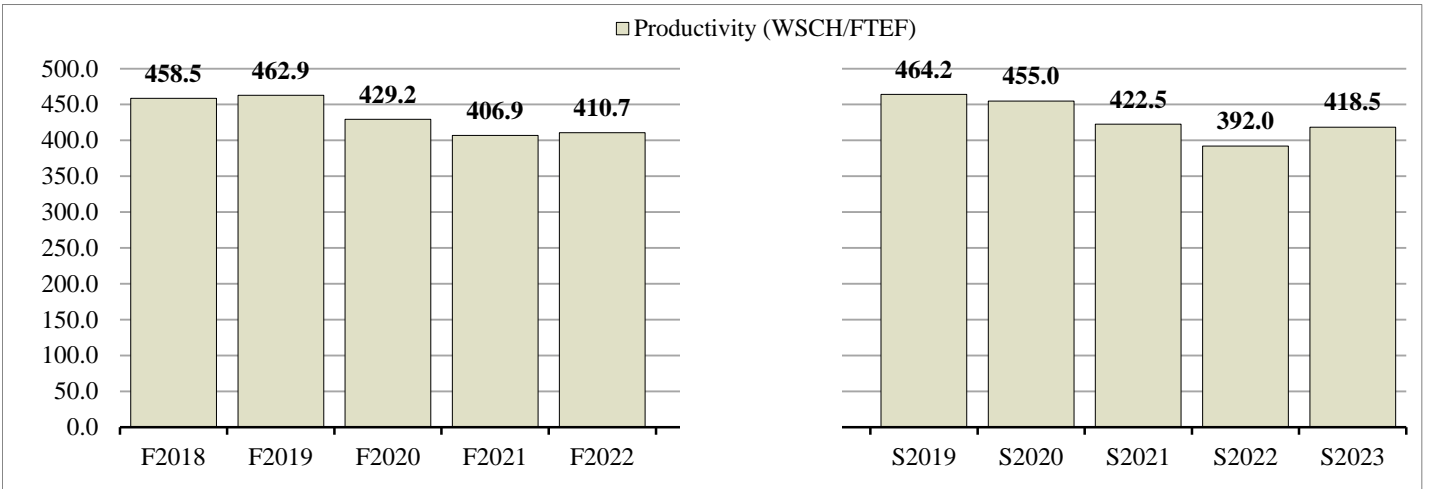
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**Withdrawals** are the share of course enrollments resulting in (1) a grade notation of 'W', 'MW', or 'EW', or, (2) a course dropped due to COVID-19.

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'. In 2020-21, due to the COVID-19 pandemic, DE sections were distinguished through provisional designations.

## Enrollment Management: Part 1

| Biological Sciences ( BIO ) |            |       |       |       |       |              |       |       |       |       |
|-----------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                             | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                             | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| WSCH                        | 6,791      | 7,908 | 7,247 | 7,288 | 6,491 | 6,875        | 7,817 | 6,938 | 6,245 | 6,641 |
| FTES                        | 222.8      | 261.2 | 237.3 | 240.0 | 212.2 | 225.7        | 255.6 | 228.9 | 205.2 | 218.8 |
| FTEF                        | 14.8       | 17.1  | 16.9  | 17.9  | 15.8  | 14.8         | 17.2  | 16.4  | 15.9  | 15.9  |
| Productivity (WSCH/FTEF)    | 458.5      | 462.9 | 429.2 | 406.9 | 410.7 | 464.2        | 455.0 | 422.5 | 392.0 | 418.5 |



**Definitions:**

**WSCH** is the total Weekly Student Contact Hours resulting from all enrollment within the discipline.

**FTES** is the total Full Time Equivalent Student value resulting from all enrollment within the discipline.

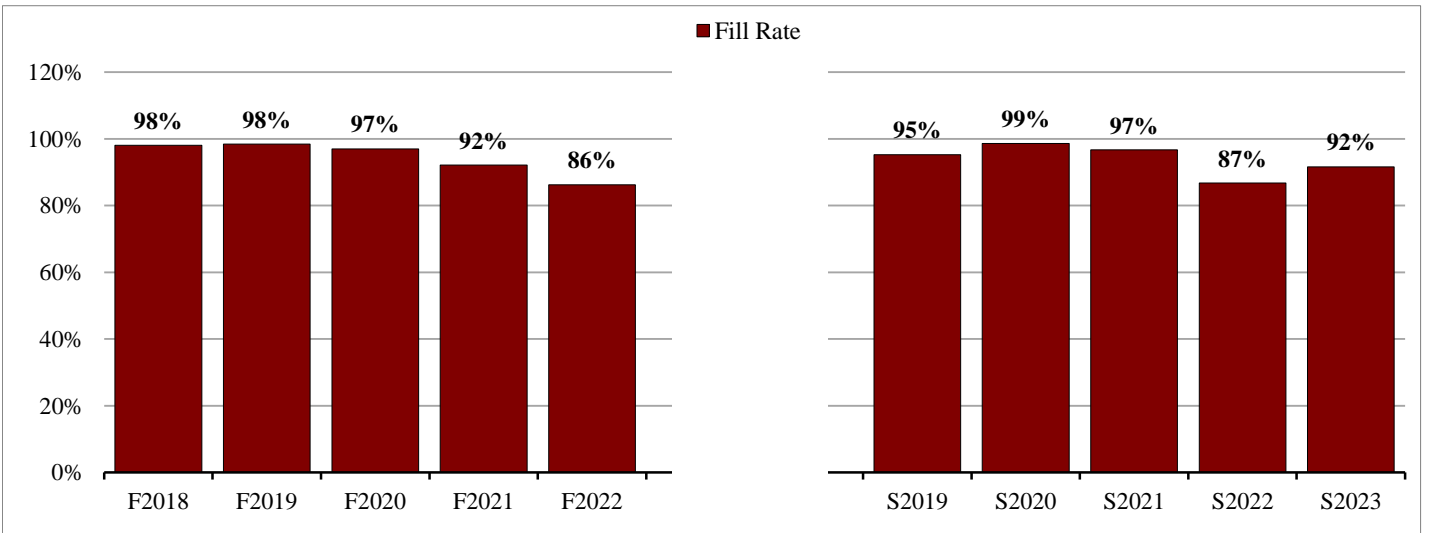
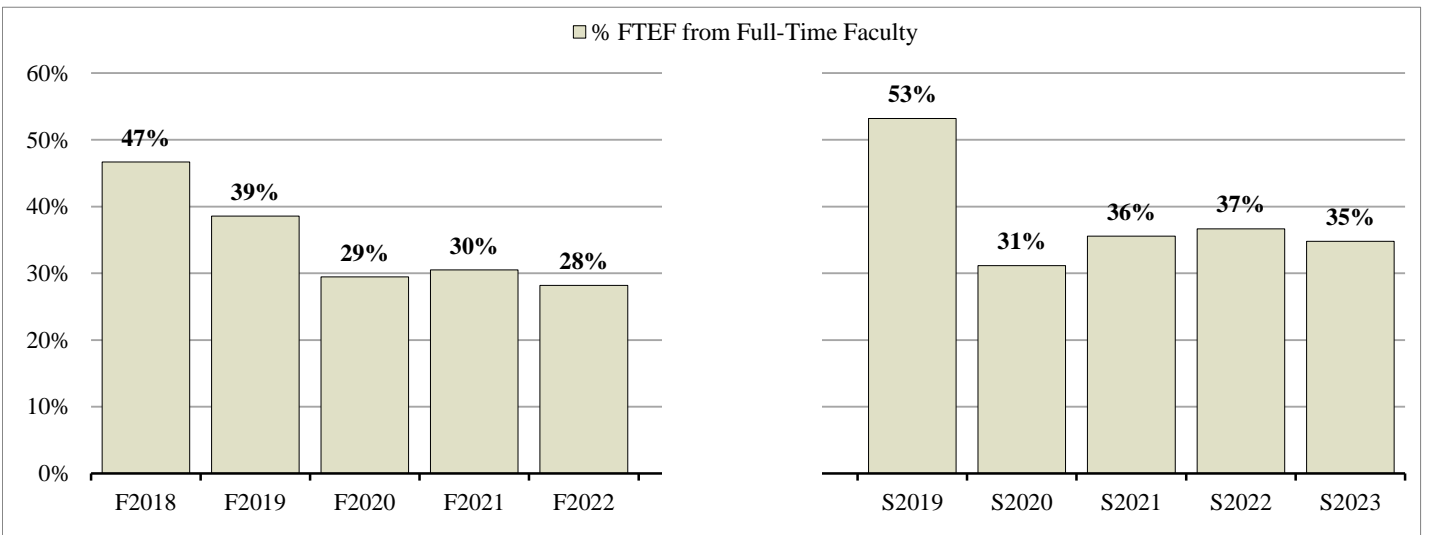
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**Productivity** is the ratio of WSCH to FTEF and a standard measure of discipline efficiency.

**Note:** Enrollment Management data are of all courses accounted except NTUT / TUTR 200; latest data accessed on 7/25/23.

## Enrollment Management: Part 2

| Biological Sciences ( BIO )   |            |       |       |       |       |              |       |       |       |       |
|-------------------------------|------------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|
|                               | Fall Terms |       |       |       |       | Spring Terms |       |       |       |       |
|                               | F2018      | F2019 | F2020 | F2021 | F2022 | S2019        | S2020 | S2021 | S2022 | S2023 |
| FTEF from Full-Time Faculty   | 6.9        | 6.6   | 5.0   | 5.5   | 4.5   | 7.9          | 5.4   | 5.8   | 5.8   | 5.5   |
| % FTEF from Full-Time Faculty | 47%        | 39%   | 29%   | 30%   | 28%   | 53%          | 31%   | 36%   | 37%   | 35%   |
| Enrollments                   | 984        | 1,126 | 1,059 | 1,015 | 900   | 1,019        | 1,087 | 990   | 850   | 904   |
| Capacity (seats available)    | 1,003      | 1,144 | 1,092 | 1,102 | 1,044 | 1,070        | 1,102 | 1,024 | 980   | 987   |
| Fill Rate                     | 98%        | 98%   | 97%   | 92%   | 86%   | 95%          | 99%   | 97%   | 87%   | 92%   |



**Definitions:**

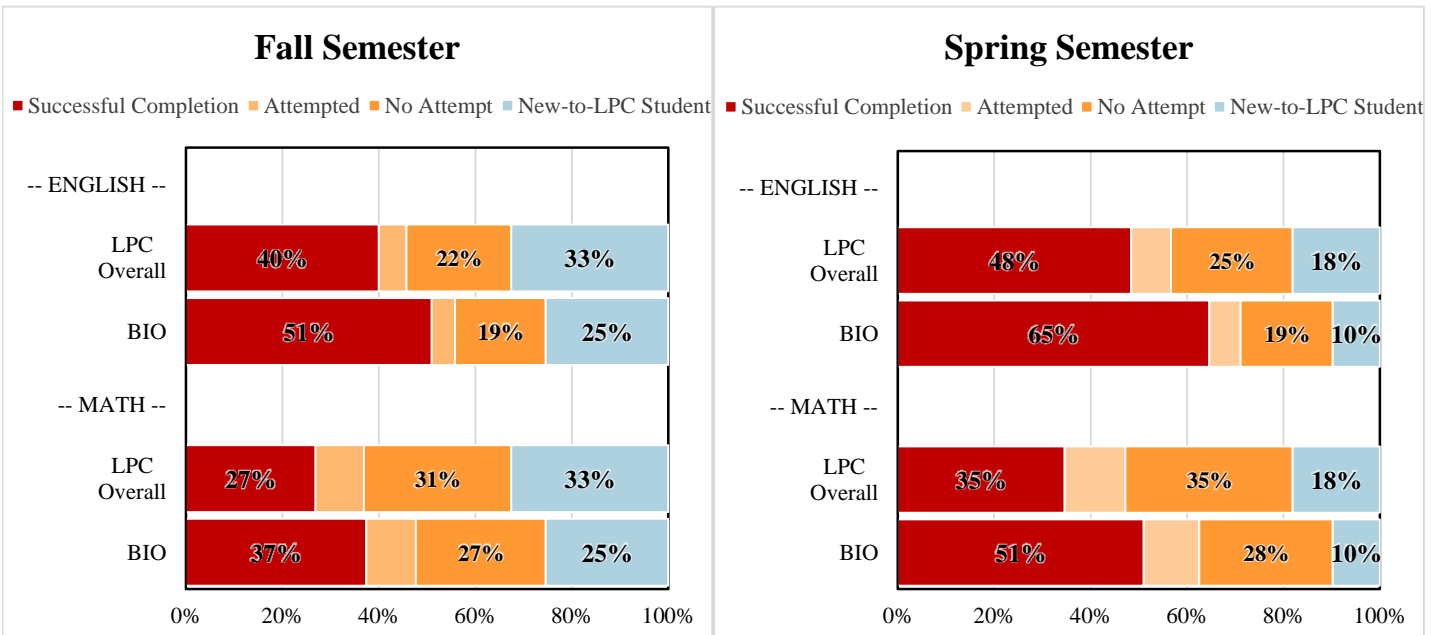
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% FTEF from Full-time Faculty** is the FTEF generated by full-time faculty as load (i.e., excluding overload) divided by the total FTEF.

**Note:** Enrollment Management data are of all courses accounted except NTUT / TUTOR 200; latest data accessed on 7/25/23.

### Prior Experience in English & Math

| (English and math status prior to the start of the term) | Fall 2022 |     |             |     | Spring 2023 |     |             |     |
|----------------------------------------------------------|-----------|-----|-------------|-----|-------------|-----|-------------|-----|
|                                                          | BIO       |     | LPC Overall |     | BIO         |     | LPC Overall |     |
|                                                          | Num       | Pct | Num         | Pct | Num         | Pct | Num         | Pct |
| <b>Transfer-level English</b>                            |           |     |             |     |             |     |             |     |
| Successful Completion*                                   | 437       | 51% | 2,729       | 40% | 555         | 65% | 3,203       | 48% |
| Attempted (not successful)                               | 42        | 5%  | 391         | 6%  | 56          | 7%  | 546         | 8%  |
| No Attempt                                               | 161       | 19% | 1,484       | 22% | 164         | 19% | 1,672       | 25% |
| New-to-LPC Student                                       | 218       | 25% | 2,221       | 33% | 84          | 10% | 1,197       | 18% |
| <b>Transfer-level Math</b>                               |           |     |             |     |             |     |             |     |
| Successful Completion*                                   | 321       | 37% | 1,835       | 27% | 438         | 51% | 2,288       | 35% |
| Attempted (not successful)                               | 88        | 10% | 683         | 10% | 99          | 12% | 837         | 13% |
| No Attempt                                               | 231       | 27% | 2,086       | 31% | 238         | 28% | 2,296       | 35% |
| New-to-LPC Student                                       | 218       | 25% | 2,221       | 33% | 84          | 10% | 1,197       | 18% |



**Definitions:**

**Transfer-Level English:**

- Successful Completion** = earned a passing grade in ENG 1A or 1AEX, or attempted a higher transfer-level course in the sequence in prior terms.
- Attempted (no successful completion)** = attempted ENG 1A or 1AEX in prior terms but did not receive a passing grade.
- No Prior Attempt** = no prior enrollment in transfer-level English within the sequence.
- New LPC Student** = enrollments from students with no for credit enrollments within our district prior to the current term.

**Transfer-Level Math:**

- Successful Completion** = earned a passing grade in a transfer-level math course or attempted a higher transfer-level course in the sequence in prior terms.
- Attempted (no successful completion)** = attempted an entry transfer-level math course in prior terms but did not receive a passing grade.
- No Prior Attempt** = no prior enrollment in transfer-level math within the sequence.
- New-to-LPC Student** = enrollments from students with no for credit enrollments within our district prior to the current term.