



Las Positas College

**Discipline Program Review Data Packet**

Fall 2016 to Fall 2020

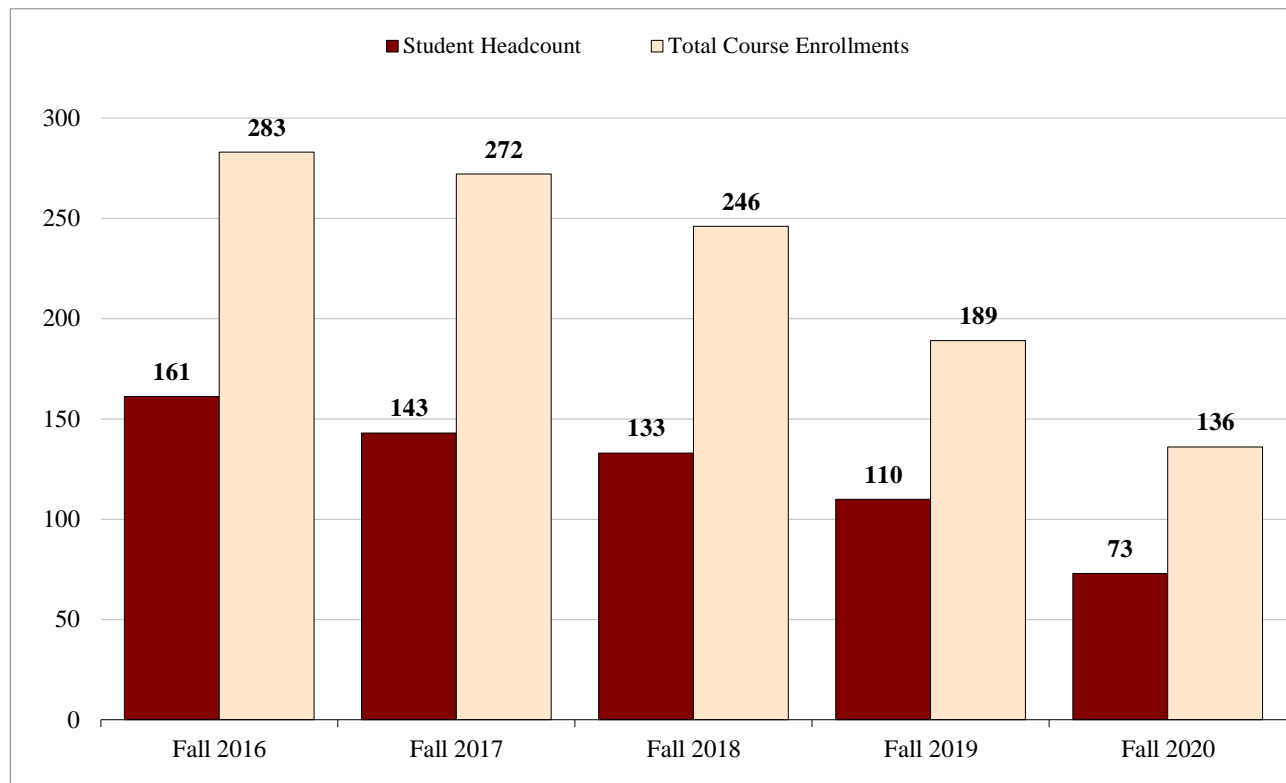
Discipline:

**Welding Technology (WLDT)**

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## Headcount & Enrollment

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| Student Headcount           | 161       | 143       | 133       | 110       | 73        |
| Total Course Enrollments    | 283       | 272       | 246       | 189       | 136       |



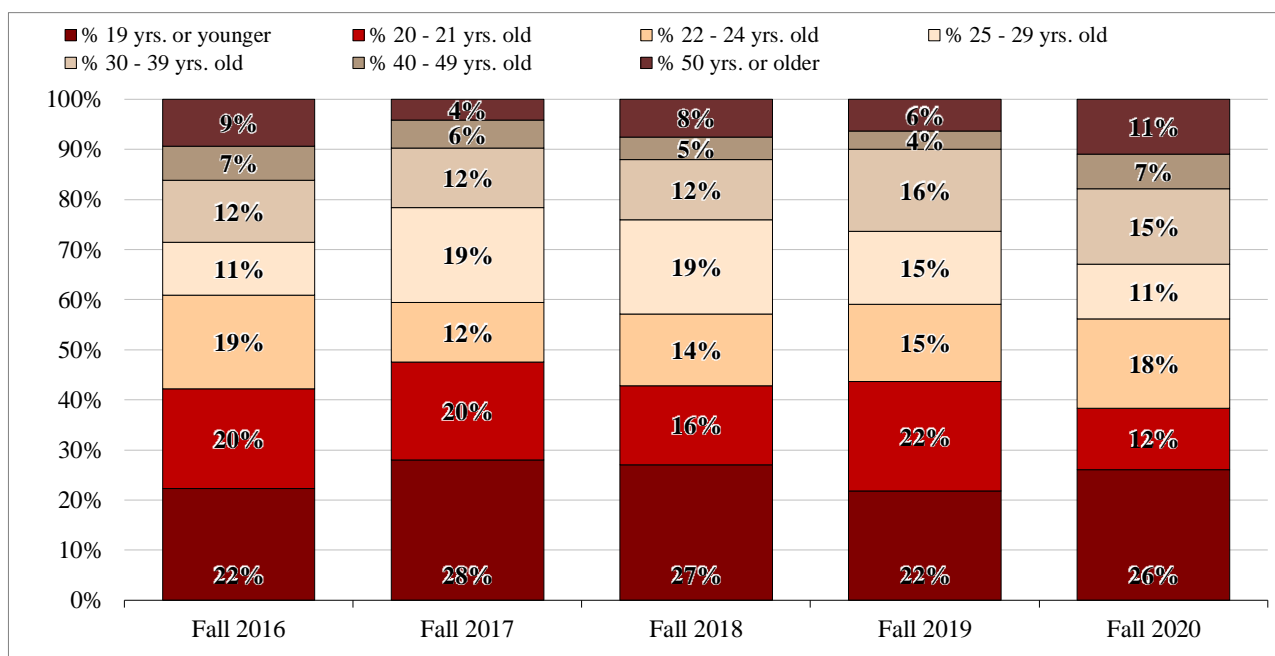
### Definitions:

**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.

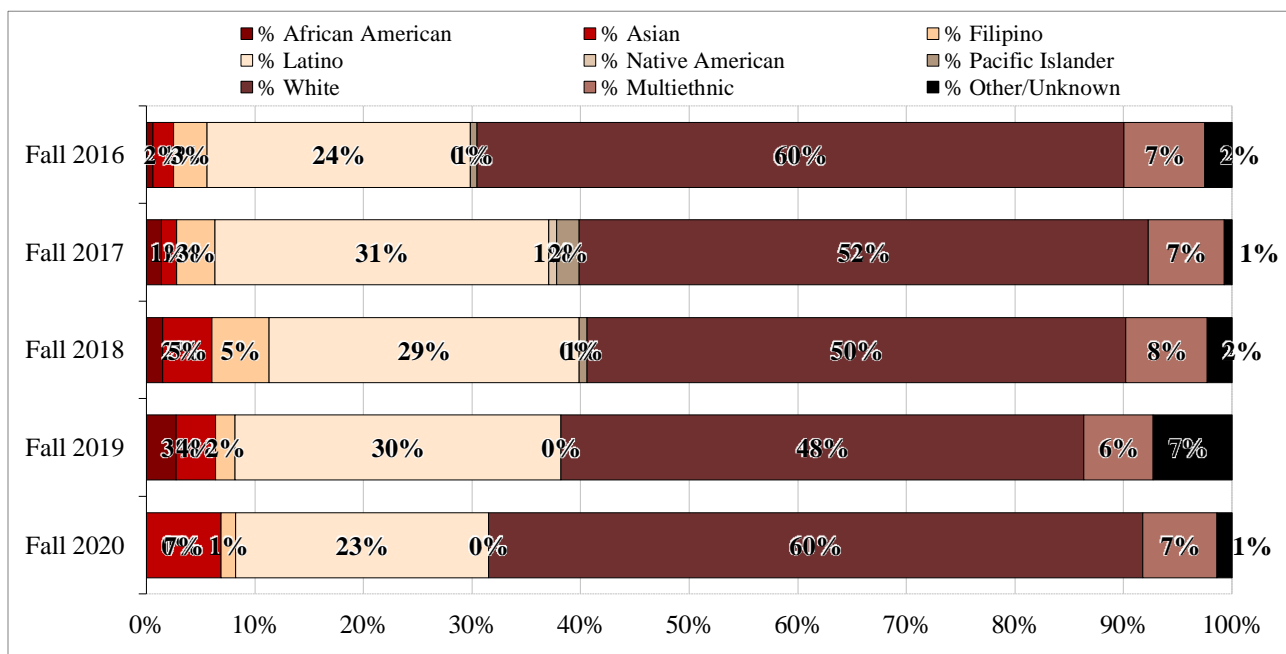
## Student Demographics: Gender & Age

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| Female                      | 11        | 6         | 11        | 8         | 5         |
| Male                        | 148       | 135       | 121       | 99        | 68        |
| 19 yrs. or younger          | 36        | 40        | 36        | 24        | 19        |
| 20-21 yrs. old              | 32        | 28        | 21        | 24        | 9         |
| 22-24 yrs. old              | 30        | 17        | 19        | 17        | 13        |
| 25-29 yrs. old              | 17        | 27        | 25        | 16        | 8         |
| 30-39 yrs. old              | 20        | 17        | 16        | 18        | 11        |
| 40-49 yrs. old              | 11        | 8         | 6         | 4         | 5         |
| 50 yrs. or older            | 15        | 6         | 10        | 7         | 8         |
| % Female                    | 7%        | 4%        | 8%        | 7%        | 7%        |
| % Male                      | 93%       | 96%       | 92%       | 93%       | 93%       |
| % 19 yrs. or younger        | 22%       | 28%       | 27%       | 22%       | 26%       |
| % 20 - 21 yrs. old          | 20%       | 20%       | 16%       | 22%       | 12%       |
| % 22 - 24 yrs. old          | 19%       | 12%       | 14%       | 15%       | 18%       |
| % 25 - 29 yrs. old          | 11%       | 19%       | 19%       | 15%       | 11%       |
| % 30 - 39 yrs. old          | 12%       | 12%       | 12%       | 16%       | 15%       |
| % 40 - 49 yrs. old          | 7%        | 6%        | 5%        | 4%        | 7%        |
| % 50 yrs. or older          | 9%        | 4%        | 8%        | 6%        | 11%       |



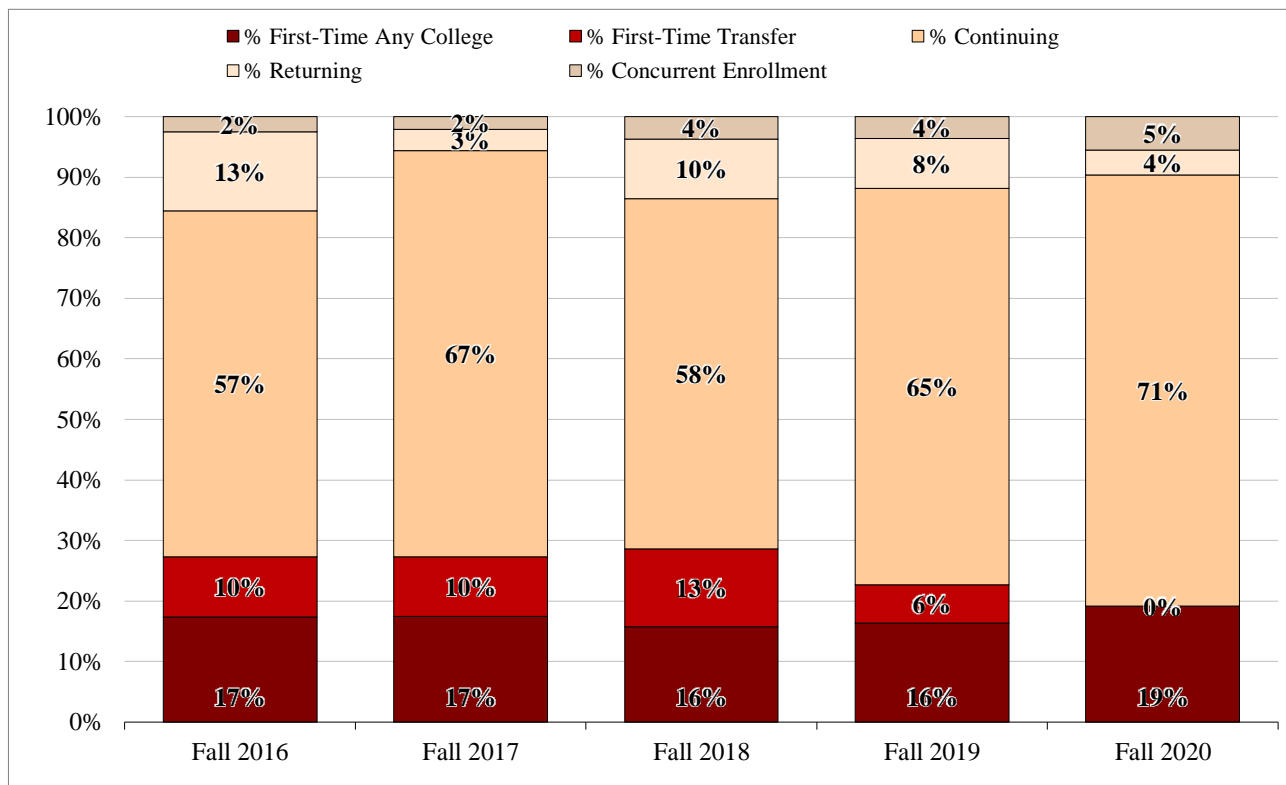
### Student Demographic: Race-Ethnicity

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| African American            | 1         | 2         | 2         | 3         | 0         |
| Asian                       | 3         | 2         | 6         | 4         | 5         |
| Filipino                    | 5         | 5         | 7         | 2         | 1         |
| Latino                      | 39        | 44        | 38        | 33        | 17        |
| Native American             | 0         | 1         | 0         | 0         | 0         |
| Pacific Islander            | 1         | 3         | 1         | 0         | 0         |
| White                       | 96        | 75        | 66        | 53        | 44        |
| Multiethnic                 | 12        | 10        | 10        | 7         | 5         |
| Other/Unknown               | 4         | 1         | 3         | 8         | 1         |
| % African American          | 1%        | 1%        | 2%        | 3%        | 0%        |
| % Asian                     | 2%        | 1%        | 5%        | 4%        | 7%        |
| % Filipino                  | 3%        | 3%        | 5%        | 2%        | 1%        |
| % Latino                    | 24%       | 31%       | 29%       | 30%       | 23%       |
| % Native American           | 0%        | 1%        | 0%        | 0%        | 0%        |
| % Pacific Islander          | 1%        | 2%        | 1%        | 0%        | 0%        |
| % White                     | 60%       | 52%       | 50%       | 48%       | 60%       |
| % Multiethnic               | 7%        | 7%        | 8%        | 6%        | 7%        |
| % Other/Unknown             | 2%        | 1%        | 2%        | 7%        | 1%        |



## Student Enrollment Status

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| First-Time Any College      | 28        | 25        | 21        | 18        | 14        |
| First-Time Transfer         | 16        | 14        | 17        | 7         | 0         |
| Continuing                  | 92        | 96        | 77        | 72        | 52        |
| Returning                   | 21        | 5         | 13        | 9         | 3         |
| Concurrent Enrollment       | 4         | 3         | 5         | 4         | 4         |
| % First-Time Any College    | 17%       | 17%       | 16%       | 16%       | 19%       |
| % First-Time Transfer       | 10%       | 10%       | 13%       | 6%        | 0%        |
| % Continuing                | 57%       | 67%       | 58%       | 65%       | 71%       |
| % Returning                 | 13%       | 3%        | 10%       | 8%        | 4%        |
| % Concurrent Enrollment     | 2%        | 2%        | 4%        | 4%        | 5%        |



### 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.

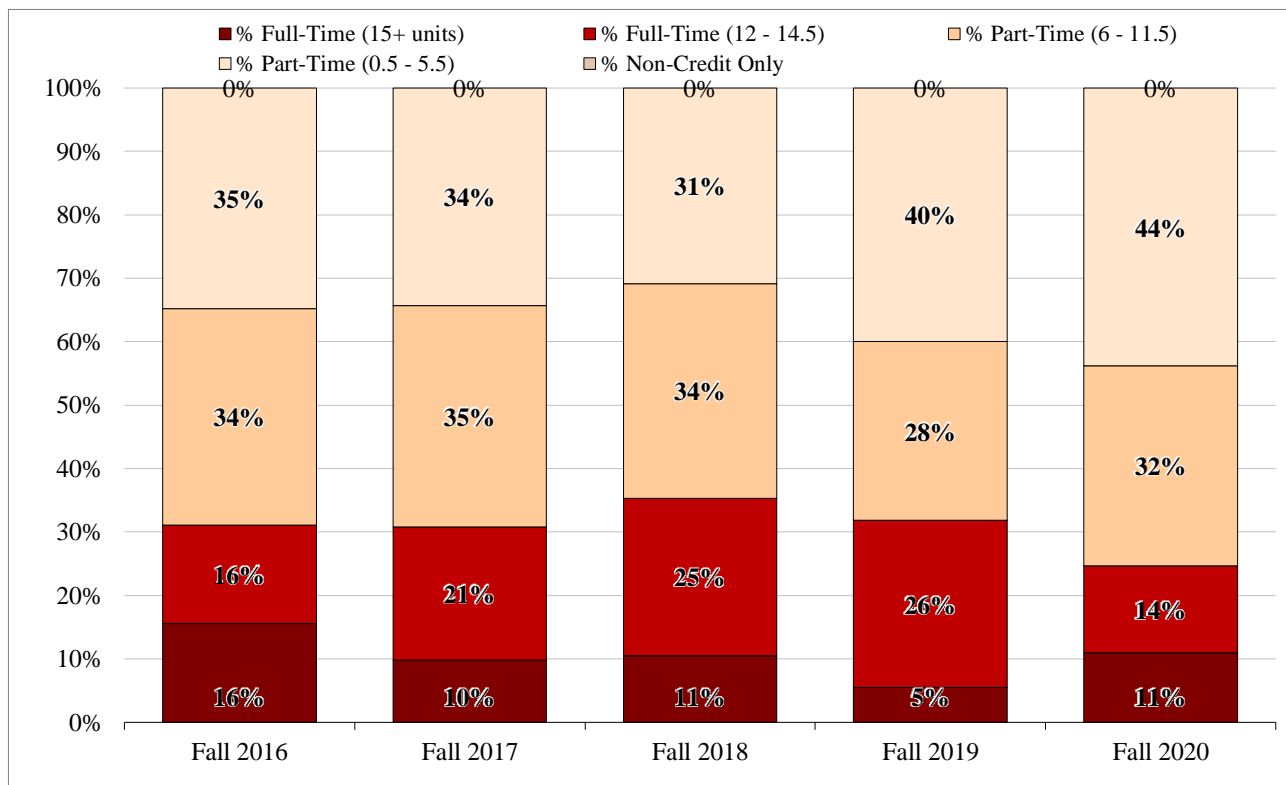
**Continuing:** Students enrolled in the current semester and were enrolled in the previous primary term. Primary terms are Fall and Spring.

**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.

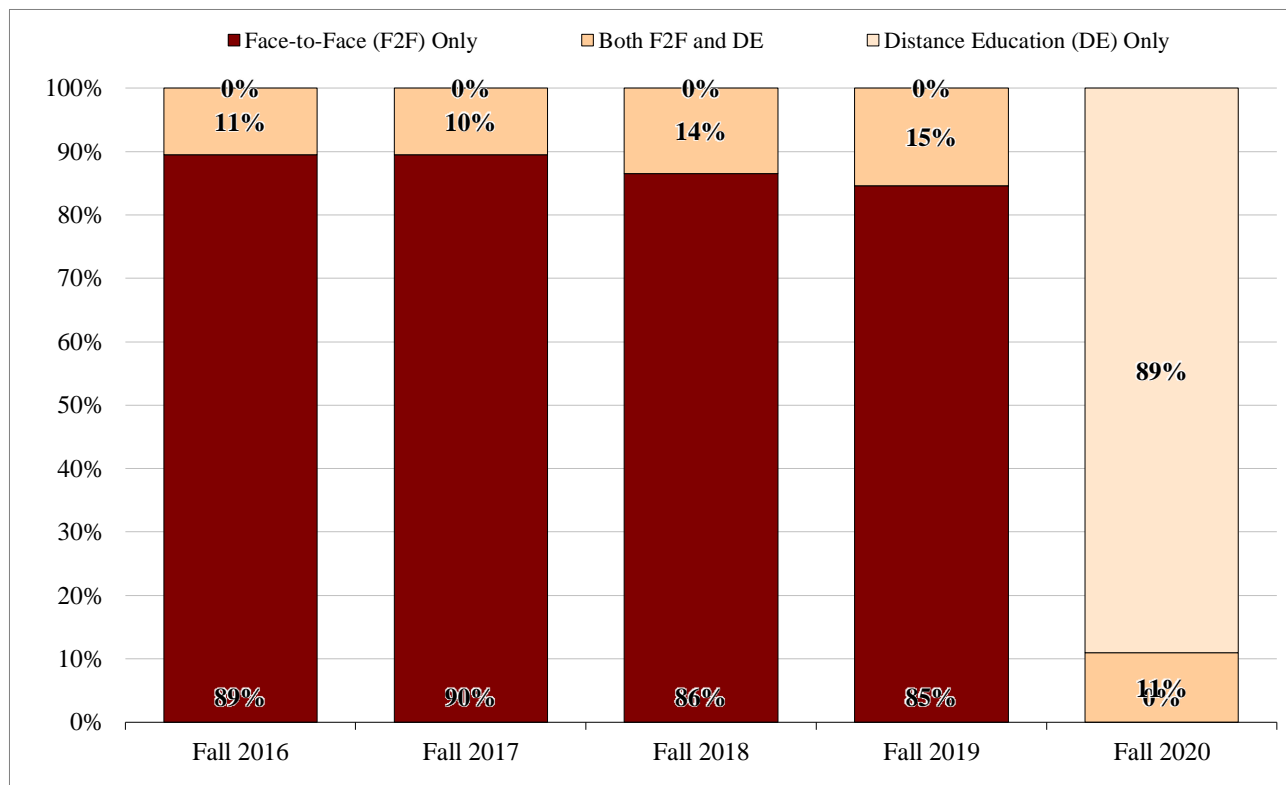
## Student Unit Load

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| Full-Time (15+ units)       | 25        | 14        | 14        | 6         | 8         |
| Full-Time (12 - 14.5)       | 25        | 30        | 33        | 29        | 10        |
| Part-Time (6 - 11.5)        | 55        | 50        | 45        | 31        | 23        |
| Part-Time (0.5 - 5.5)       | 56        | 49        | 41        | 44        | 32        |
| Non-Credit Only             | 0         | 0         | 0         | 0         | 0         |
| % Full-Time (15+ units)     | 16%       | 10%       | 11%       | 5%        | 11%       |
| % Full-Time (12 - 14.5)     | 16%       | 21%       | 25%       | 26%       | 14%       |
| % Part-Time (6 - 11.5)      | 34%       | 35%       | 34%       | 28%       | 32%       |
| % Part-Time (0.5 - 5.5)     | 35%       | 34%       | 31%       | 40%       | 44%       |
| % Non-Credit Only           | 0%        | 0%        | 0%        | 0%        | 0%        |



## Students Using Distance Education

| Welding Technology ( WLDT )                         |           |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|
| <i>(Categories reflect college-wide coursework)</i> | Term      |           |           |           |           |
|   | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| Face-to-Face (F2F) Only                             | 144       | 128       | 115       | 93        | 0         |
| Both F2F and DE                                     | 17        | 15        | 18        | 17        | 8         |
| Distance Education (DE) Only                        | 0         | 0         | 0         | 0         | 65        |
| % Face-to-Face (F2F) Only                           | 89%       | 90%       | 86%       | 85%       | 0%        |
| % Both F2F and DE                                   | 11%       | 10%       | 14%       | 15%       | 11%       |
| % Distance Education (DE) Only                      | 0%        | 0%        | 0%        | 0%        | 89%       |

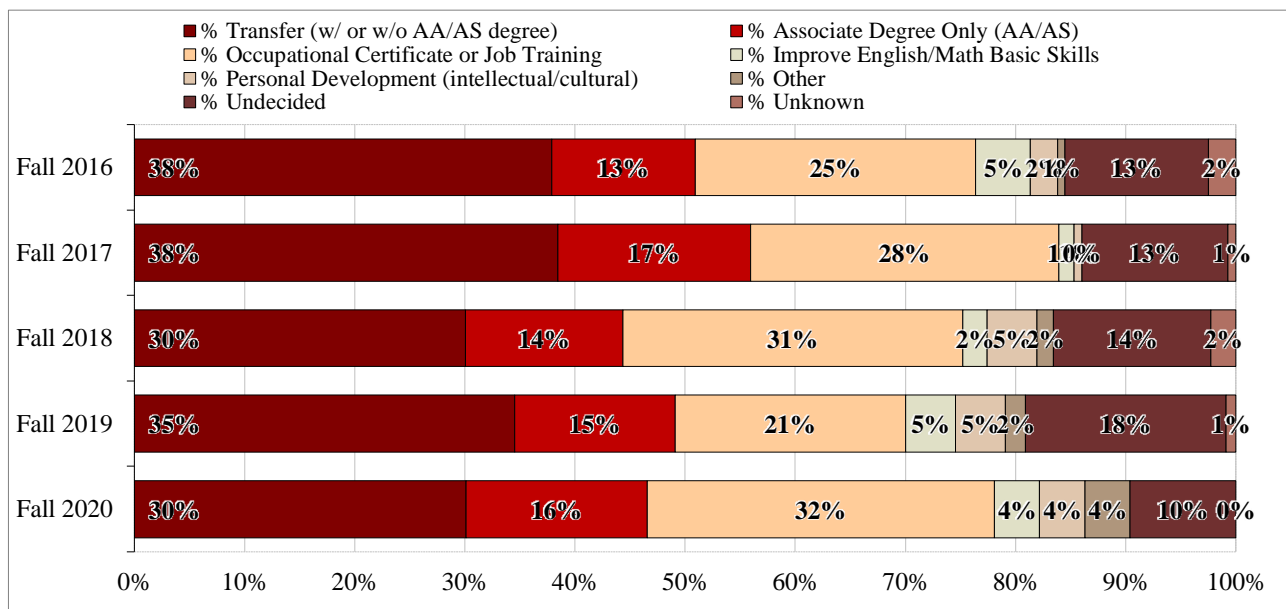


### Definitions:

**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

| Welding Technology ( WLDT )                    |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
|  | Term      |           |           |           |           |
|  | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| Transfer (w/ or w/o AA/AS degree)              | 61        | 55        | 40        | 38        | 22        |
| Associate Degree Only (AA/AS)                  | 21        | 25        | 19        | 16        | 12        |
| Occupational Certificate or Job Training       | 41        | 40        | 41        | 23        | 23        |
| Improve English/Math Basic Skills              | 8         | 2         | 3         | 5         | 3         |
| Personal Development (intellectual/cultural)   | 4         | 1         | 6         | 5         | 3         |
| Other  | 1         | 0         | 2         | 2         | 3         |
| Undecided                                      | 21        | 19        | 19        | 20        | 7         |
| Unknown  | 4         | 1         | 3         | 1         | 0         |
| % Transfer (w/ or w/o AA/AS degree)            | 38%       | 38%       | 30%       | 35%       | 30%       |
| % Associate Degree Only (AA/AS)                | 13%       | 17%       | 14%       | 15%       | 16%       |
| % Occupational Certificate or Job Training     | 25%       | 28%       | 31%       | 21%       | 32%       |
| % Improve English/Math Basic Skills            | 5%        | 1%        | 2%        | 5%        | 4%        |
| % Personal Development (intellectual/cultural) | 2%        | 1%        | 5%        | 5%        | 4%        |
| % Other  | 1%        | 0%        | 2%        | 2%        | 4%        |
| % Undecided                                    | 13%       | 13%       | 14%       | 18%       | 10%       |
| % Unknown                                      | 2%        | 1%        | 2%        | 1%        | 0%        |



### 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.

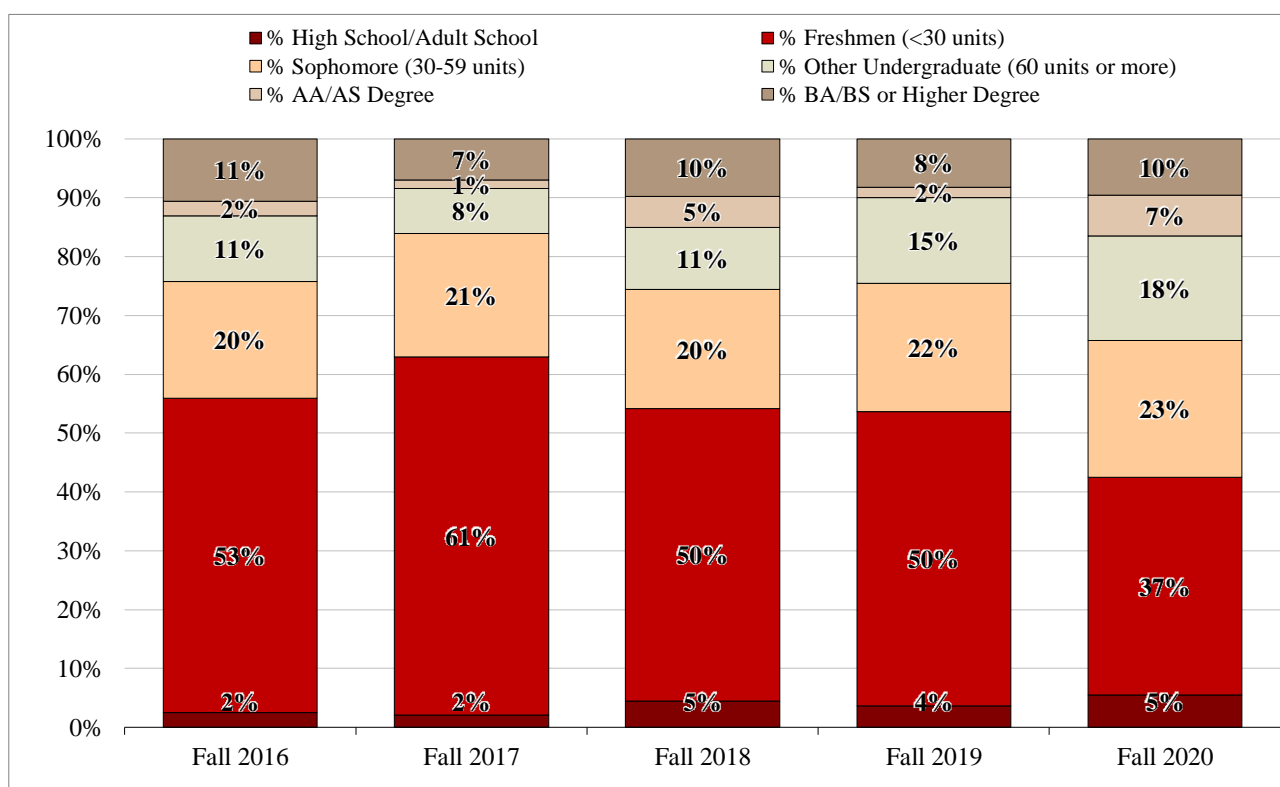
**Personal Development:** Students taking courses for intellectual and/or cultural development.

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



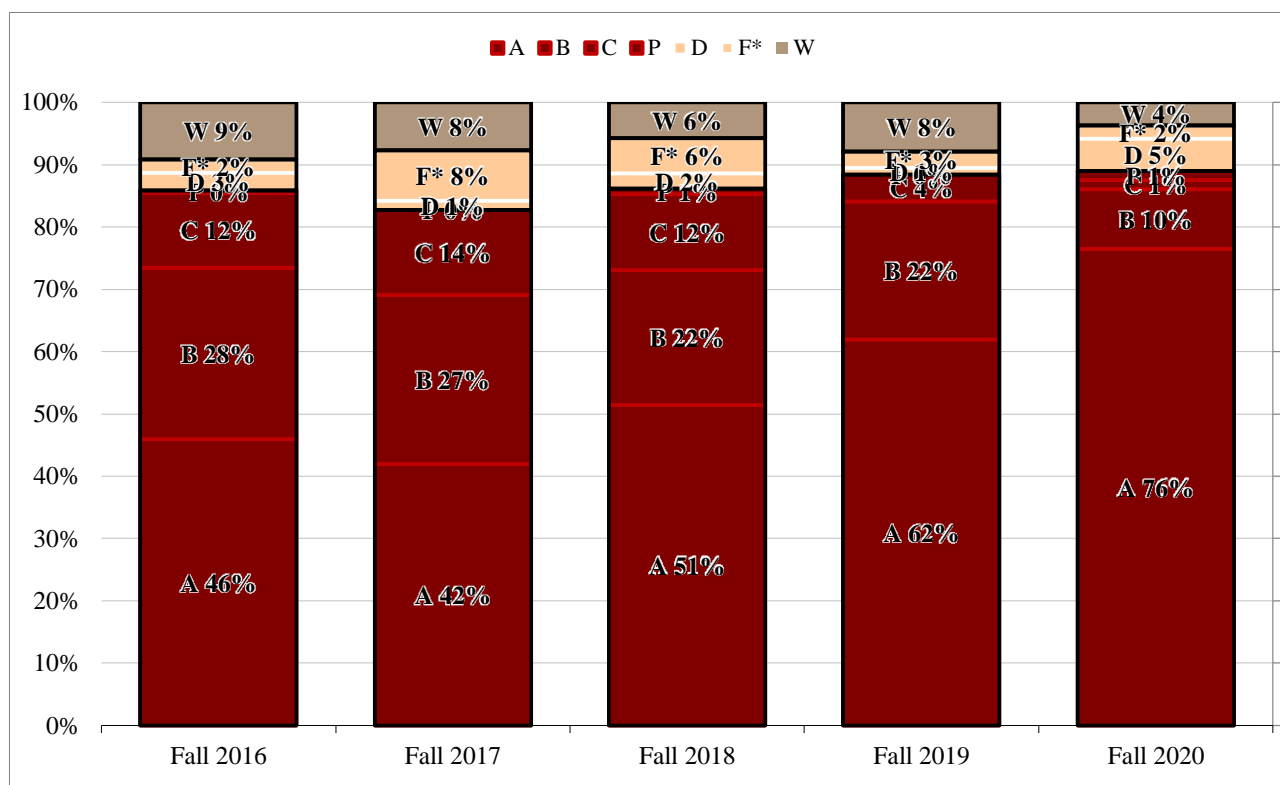
## Highest Educational Level of Students

| Welding Technology ( WLDT )              |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
|  | Term      |           |           |           |           |
|  | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| High School/Adult School                 | 4         | 3         | 6         | 4         | 4         |
| Freshmen (<30 units)                     | 86        | 87        | 66        | 55        | 27        |
| Sophomore (30-59 units)                  | 32        | 30        | 27        | 24        | 17        |
| Other Undergraduate (60 units or more)   | 18        | 11        | 14        | 16        | 13        |
| AA/AS Degree                             | 4         | 2         | 7         | 2         | 5         |
| BA/BS or Higher Degree                   | 17        | 10        | 13        | 9         | 7         |
| % High School/Adult School               | 2%        | 2%        | 5%        | 4%        | 5%        |
| % Freshmen (<30 units)                   | 53%       | 61%       | 50%       | 50%       | 37%       |
| % Sophomore (30-59 units)                | 20%       | 21%       | 20%       | 22%       | 23%       |
| % Other Undergraduate (60 units or more) | 11%       | 8%        | 11%       | 15%       | 18%       |
| % AA/AS Degree                           | 2%        | 1%        | 5%        | 2%        | 7%        |
| % BA/BS or Higher Degree                 | 11%       | 7%        | 10%       | 8%        | 10%       |



## Student Performance: Grade Distribution

| Welding Technology ( WLDT )     |            |            |            |            |            |
|---------------------------------|------------|------------|------------|------------|------------|
|                                 | Term       |            |            |            |            |
|                                 | Fall 2016  | Fall 2017  | Fall 2018  | Fall 2019  | Fall 2020  |
| <b>Total Course Enrollments</b> | <b>283</b> | <b>272</b> | <b>246</b> | <b>189</b> | <b>136</b> |
| <b>Course Success Rates</b>     | <b>86%</b> | <b>83%</b> | <b>86%</b> | <b>88%</b> | <b>89%</b> |
| A                               | 46%        | 42%        | 51%        | 62%        | 76%        |
| B                               | 28%        | 27%        | 22%        | 22%        | 10%        |
| C                               | 12%        | 14%        | 12%        | 4%         | 1%         |
| P                               | <1%        | 0%         | 1%         | 0%         | 1%         |
| <b>Course Non-Success Rate</b>  | <b>5%</b>  | <b>10%</b> | <b>8%</b>  | <b>4%</b>  | <b>7%</b>  |
| D                               | 3%         | 1%         | 2%         | 1%         | 5%         |
| F*                              | 2%         | 8%         | 6%         | 3%         | 2%         |
| <b>Withdrawals (See Note)</b>   | <b>9%</b>  | <b>8%</b>  | <b>6%</b>  | <b>8%</b>  | <b>4%</b>  |



### Definitions:

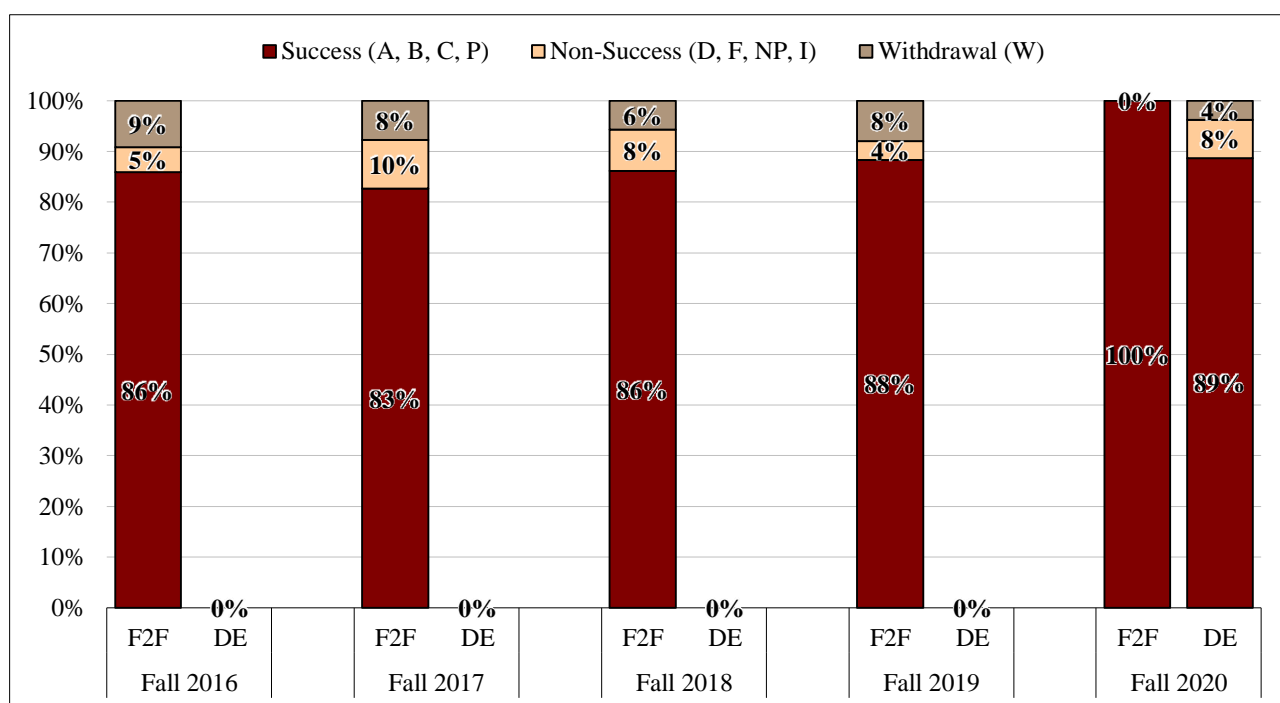
**Course Success Rate:** Share of course enrollments resulting in a passing grade ('A', 'B', 'C', 'P', 'NCA', 'NCB', 'NCC', or 'NCP').

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

## Student Performance: Distance Education

| Welding Technology ( WLDT )             |            |            |            |            |            |
|---|------------|------------|------------|------------|------------|
|   | Term       |            |            |            |            |
|   | Fall 2016  | Fall 2017  | Fall 2018  | Fall 2019  | Fall 2020  |
| <b>Total Course Enrollments</b>         | <b>283</b> | <b>272</b> | <b>246</b> | <b>189</b> | <b>136</b> |
| <b>Face-to-Face (F2F) Sections</b>      | <b>283</b> | <b>272</b> | <b>246</b> | <b>189</b> | <b>3</b>   |
| Success Rates                           | 86%        | 83%        | 86%        | 88%        | 100%       |
| Non-Success Rates                       | 5%         | 10%        | 8%         | 4%         | 0%         |
| Withdrawals                             | 9%         | 8%         | 6%         | 8%         | 0%         |
| <b>Distance Education (DE) Sections</b> | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>133</b> |
| Success Rates                           | —          | —          | —          | —          | 89%        |
| Non-Success Rates                       | —          | —          | —          | —          | 8%         |
| Withdrawals                             | —          | —          | —          | —          | 4%         |



### Definitions:

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

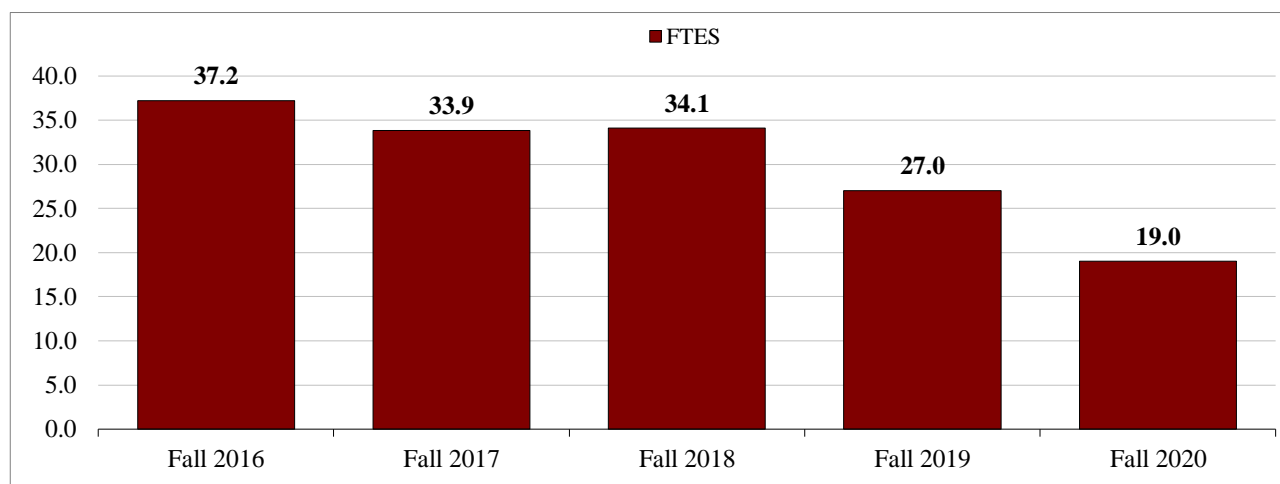
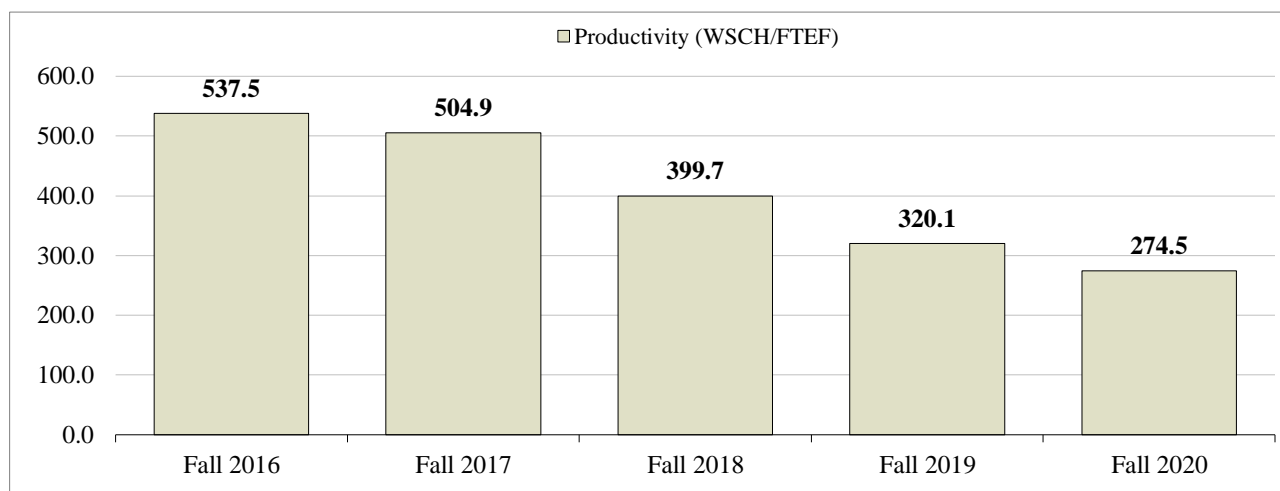
**Course Non-Success Rate:** Share of course enrollments resulting in a grade of 'D', 'F', 'NP', 'T', 'NCD', 'NCF', or 'NCNP'.

**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

| Welding Technology ( WLDT ) |           |           |           |           |           |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
|                             | Term      |           |           |           |           |
|                             | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| WSCH                        | 1,125     | 1,023     | 1,034     | 830       | 577       |
| FTES                        | 37.2      | 33.9      | 34.1      | 27.0      | 19.0      |
| FTEF                        | 2.1       | 2.0       | 2.6       | 2.6       | 2.1       |
| Productivity (WSCH/FTEF)    | 537.5     | 504.9     | 399.7     | 320.1     | 274.5     |



### 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.

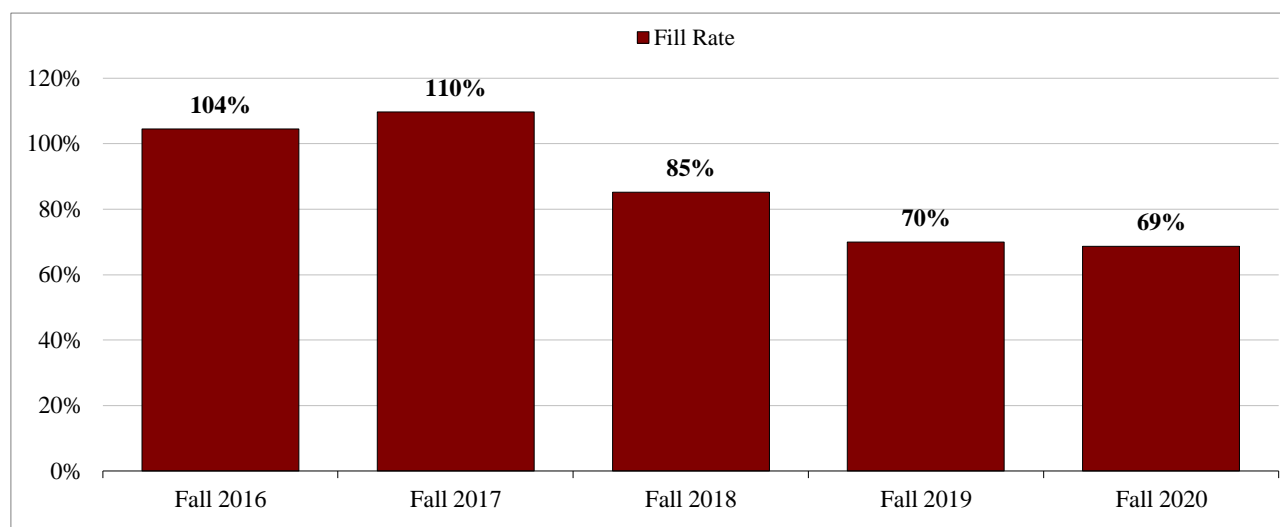
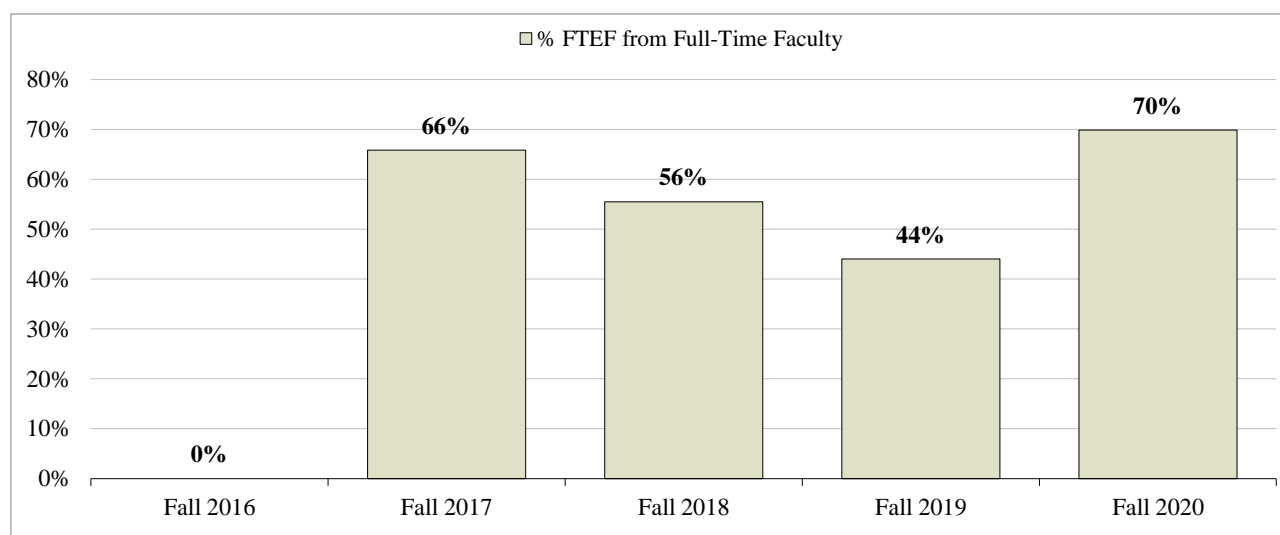
**FTEF** is the Full Time Equivalent Faculty associated with the discipline's course offerings for that semester.

**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 7/20/21.

## Enrollment Management: Part 2

| Welding Technology ( WLDT )   |           |           |           |           |           |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|
|                               | Term      |           |           |           |           |
|                               | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 |
| FTEF from Full-Time Faculty   | 0.0       | 1.3       | 1.4       | 1.1       | 1.5       |
| % FTEF from Full-Time Faculty | 0%        | 66%       | 56%       | 44%       | 70%       |
| Enrollments                   | 283       | 272       | 246       | 189       | 136       |
| Capacity (seats available)    | 271       | 248       | 289       | 270       | 198       |
| Fill Rate                     | 104%      | 110%      | 85%       | 70%       | 69%       |



### Definitions:

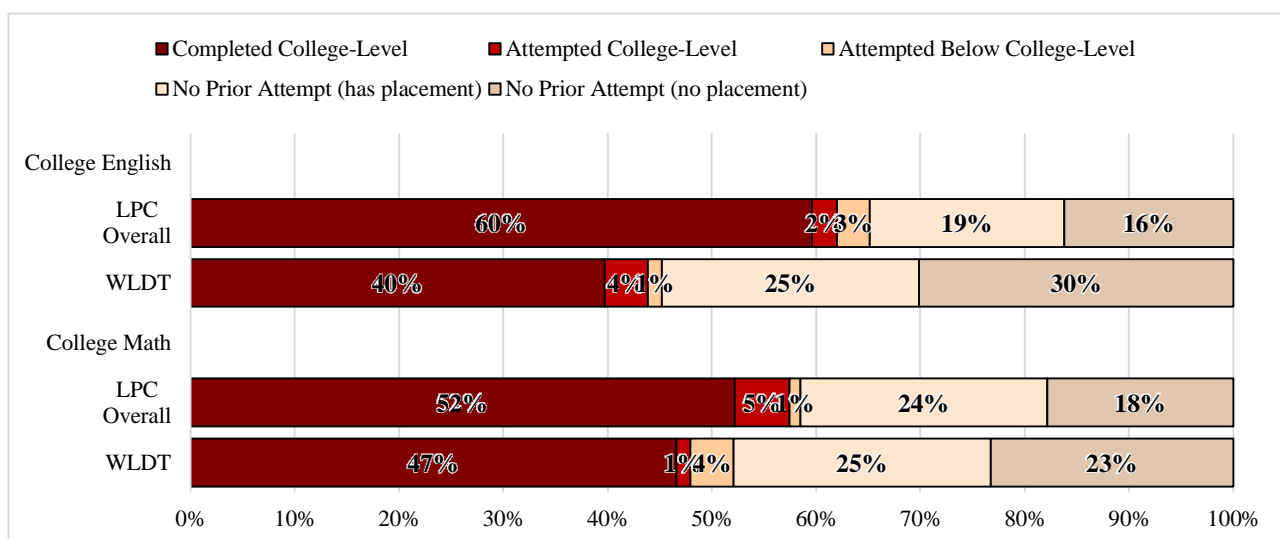
**Fill Rate** is number of enrollments over the total capacity (seats available).

**% 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 / TUTR 200; latest data accessed on 7/20/21.

## Prior Experience in English & Math

| Fall 2020                        |      |     |             |     |
|----------------------------------|------|-----|-------------|-----|
|                                  | WLDT |     | LPC Overall |     |
|                                  | Num  | Pct | Num         | Pct |
| <b>College English</b>           |      |     |             |     |
| Completed College-level          | 29   | 40% | 4,353       | 52% |
| Attempted College-level          | 3    | 4%  | 438         | 5%  |
| Attempted Below College-level    | 1    | 1%  | 86          | 1%  |
| No Prior Attempt (has placement) | 18   | 25% | 1,974       | 24% |
| No Prior Attempt (no placement)  | 22   | 30% | 1,489       | 18% |
| <b>College Math</b>              |      |     |             |     |
| Completed College-level          | 34   | 47% | 4,972       | 60% |
| Attempted College-level          | 1    | 1%  | 199         | 2%  |
| Attempted Below College-level    | 3    | 4%  | 261         | 3%  |
| No Prior Attempt (has placement) | 18   | 25% | 1,555       | 19% |
| No Prior Attempt (no placement)  | 17   | 23% | 1,353       | 16% |



### Definitions:

**College English: Completed College-level** = successfully completed ENG 1A, 1AEX, or attempted transfer level, or has earned at least an Associates degree.

**Attempted College-level** = attempted ENG 1A or 1AEX but has not successfully completed prior to indicated term.

**Attempted Below College-level** = attempted ENG 102, 104, 105, 100A, 100B, NENG 204, or ESL 25 prior to indicated term.

**No Prior Attempt (has placement)** = no previous English enrollments within the sequence but has used a placement tool.

**No Prior Attempt (no placement)** = no previous English enrollments within the sequence and did not utilize a placement tool.

### College Math:

**Completed College-level** = successfully completed MATH 55, 50, NMAT 255 or 250, or attempted transfer level, or has earned at least an Associates degree.

**Attempted College-level** = attempted MATH 55, 50, NMAT 255 or 250 but has not successfully completed prior to indicated term.

**Attempted Below College-level** = attempted MATH 110, 107, NMAT 210 or 207 prior to indicated term.

**No Prior Attempt (has placement)** = no previous Math enrollments within the sequence but has used a placement tool.

**No Prior Attempt (no placement)** = no previous Math enrollments within the sequence and did not utilize a placement tool.