# Las Positas College

# **Program Review Discipline Data Packet**

## Fall 2015 to Fall 2019
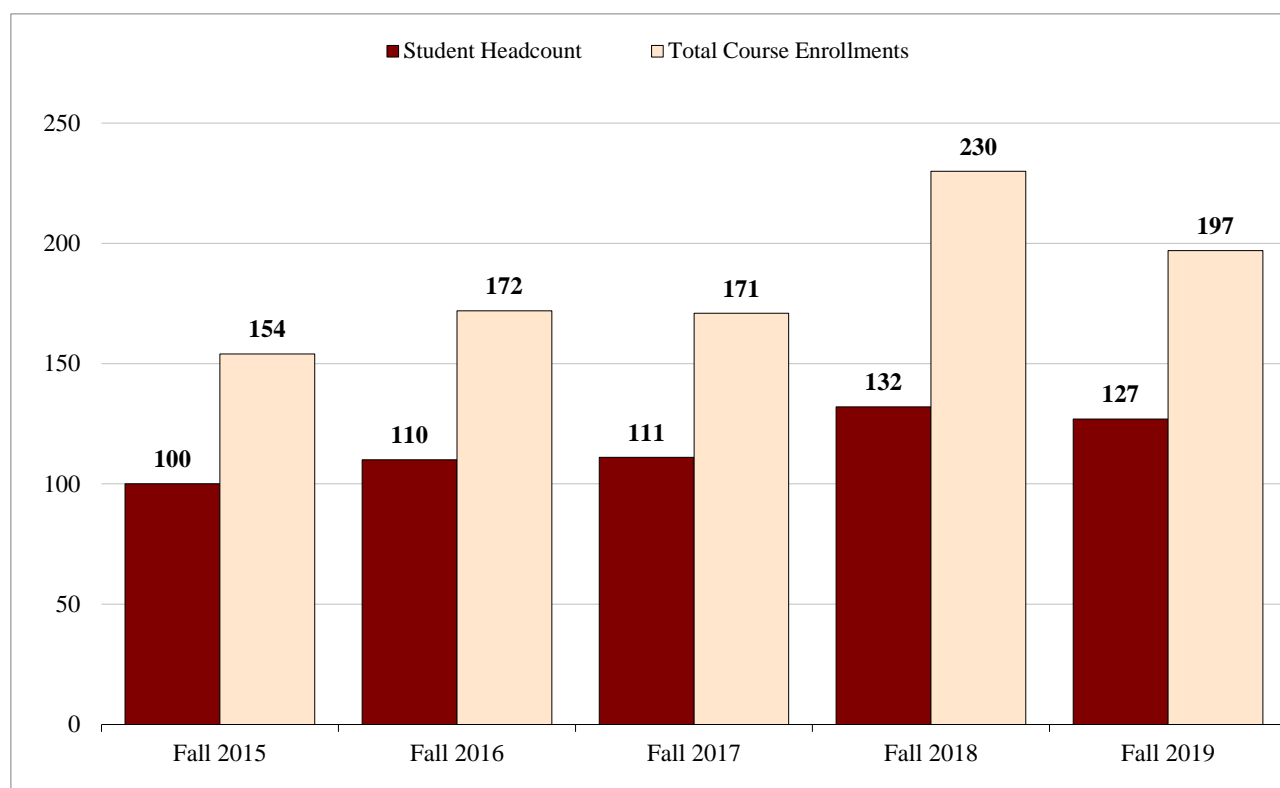
### <u>Discipline</u>:

### **Computer Networking Technology (CNT)**

NOTE: ^ next to rubric / subject code indicates that the report combines data for related credit and non-credit rubrics

*Office of Research, Planning, and Institutional Effectiveness*
*Las Positas College*

## Headcount & Enrollment

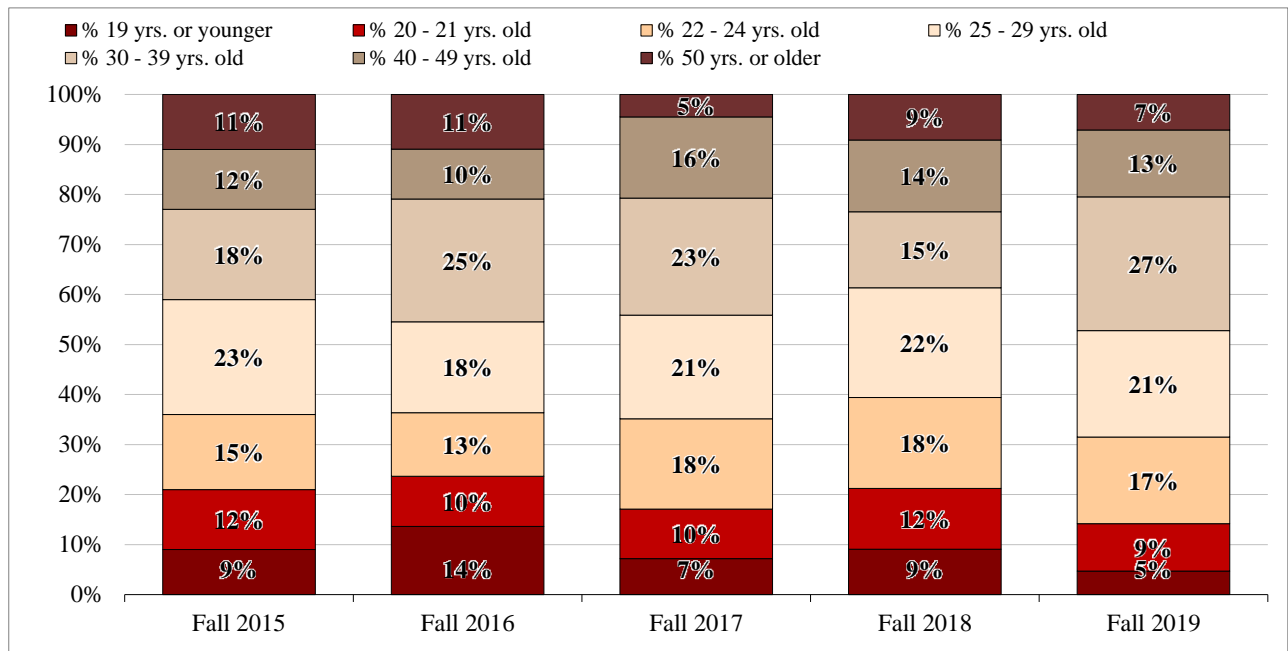| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| Student Headcount | 100 | 110 | 111 | 132 | 127 |
| Total Course Enrollments | 154 | 172 | 171 | 230 | 197 |



**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.
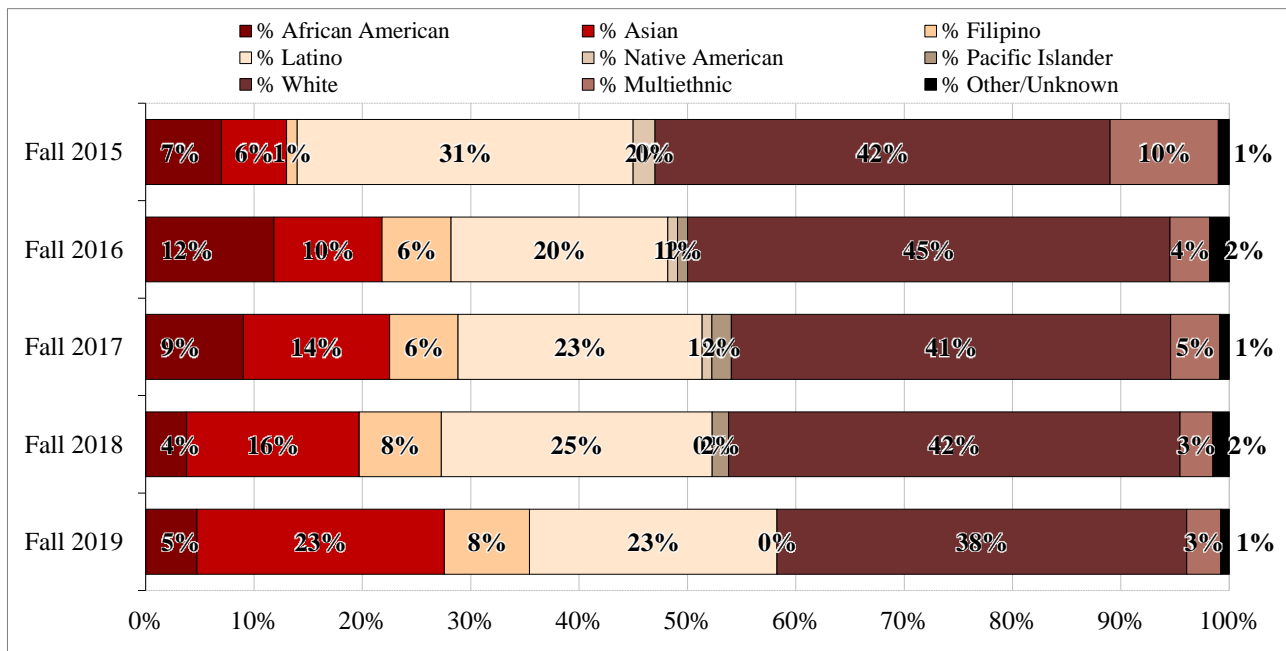
## Student Demographics: Gender & Age

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| Female | 19 | 18 | 14 | 28 | 21 |
| Male | 81 | 91 | 97 | 103 | 101 |
| 19 yrs. or younger | 9 | 15 | 8 | 12 | 6 |
| 20-21 yrs. old | 12 | 11 | 11 | 16 | 12 |
| 22-24 yrs. old | 15 | 14 | 20 | 24 | 22 |
| 25-29 yrs. old | 23 | 20 | 23 | 29 | 27 |
| 30-39 yrs. old | 18 | 27 | 26 | 20 | 34 |
| 40-49 yrs. old | 12 | 11 | 18 | 19 | 17 |
| 50 yrs. or older | 11 | 12 | 5 | 12 | 9 |
| % Female | 19% | 17% | 13% | 21% | 17% |
| % Male | 81% | 83% | 87% | 79% | 83% |
| % 19 yrs. or younger | 9% | 14% | 7% | 9% | 5% |
| % 20 - 21 yrs. old | 12% | 10% | 10% | 12% | 9% |
| % 22 - 24 yrs. old | 15% | 13% | 18% | 18% | 17% |
| % 25 - 29 yrs. old | 23% | 18% | 21% | 22% | 21% |
| % 30 - 39 yrs. old | 18% | 25% | 23% | 15% | 27% |
| % 40 - 49 yrs. old | 12% | 10% | 16% | 14% | 13% |
| % 50 yrs. or older | 11% | 11% | 5% | 9% | 7% |

## Student Demographic: Race-Ethnicity

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| African American | 7 | 13 | 10 | 5 | 6 |
| Asian | 6 | 11 | 15 | 21 | 29 |
| Filipino | 1 | 7 | 7 | 10 | 10 |
| Latino | 31 | 22 | 25 | 33 | 29 |
| Native American | 2 | 1 | 1 | 0 | 0 |
| Pacific Islander | 0 | 1 | 2 | 2 | 0 |
| White | 42 | 49 | 45 | 55 | 48 |
| Multiethnic | 10 | 4 | 5 | 4 | 4 |
| Other/Unknown | 1 | 2 | 1 | 2 | 1 |
| % African American | 7% | 12% | 9% | 4% | 5% |
| % Asian | 6% | 10% | 14% | 16% | 23% |
| % Filipino | 1% | 6% | 6% | 8% | 8% |
| % Latino | 31% | 20% | 23% | 25% | 23% |
| % Native American | 2% | 1% | 1% | 0% | 0% |
| % Pacific Islander | 0% | 1% | 2% | 2% | 0% |
| % White | 42% | 45% | 41% | 42% | 38% |
| % Multiethnic | 10% | 4% | 5% | 3% | 3% |
| % Other/Unknown | 1% | 2% | 1% | 2% | 1% |

## Student Enrollment Status

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| First-Time Any College | 9 | 7 | 8 | 8 | 5 |
| First-Time Transfer | 8 | 12 | 15 | 25 | 20 |
| Continuing | 62 | 68 | 74 | 80 | 88 |
| Returning | 21 | 22 | 14 | 17 | 13 |
| Concurrent Enrollment | 0 | 1 | 0 | 2 | 1 |
| % First-Time Any College | 9% | 6% | 7% | 6% | 4% |
| % First-Time Transfer | 8% | 11% | 14% | 19% | 16% |
| % Continuing | 62% | 62% | 67% | 61% | 69% |
| % Returning | 21% | 20% | 13% | 13% | 10% |
| % Concurrent Enrollment | 0% | 1% | 0% | 2% | 1% |
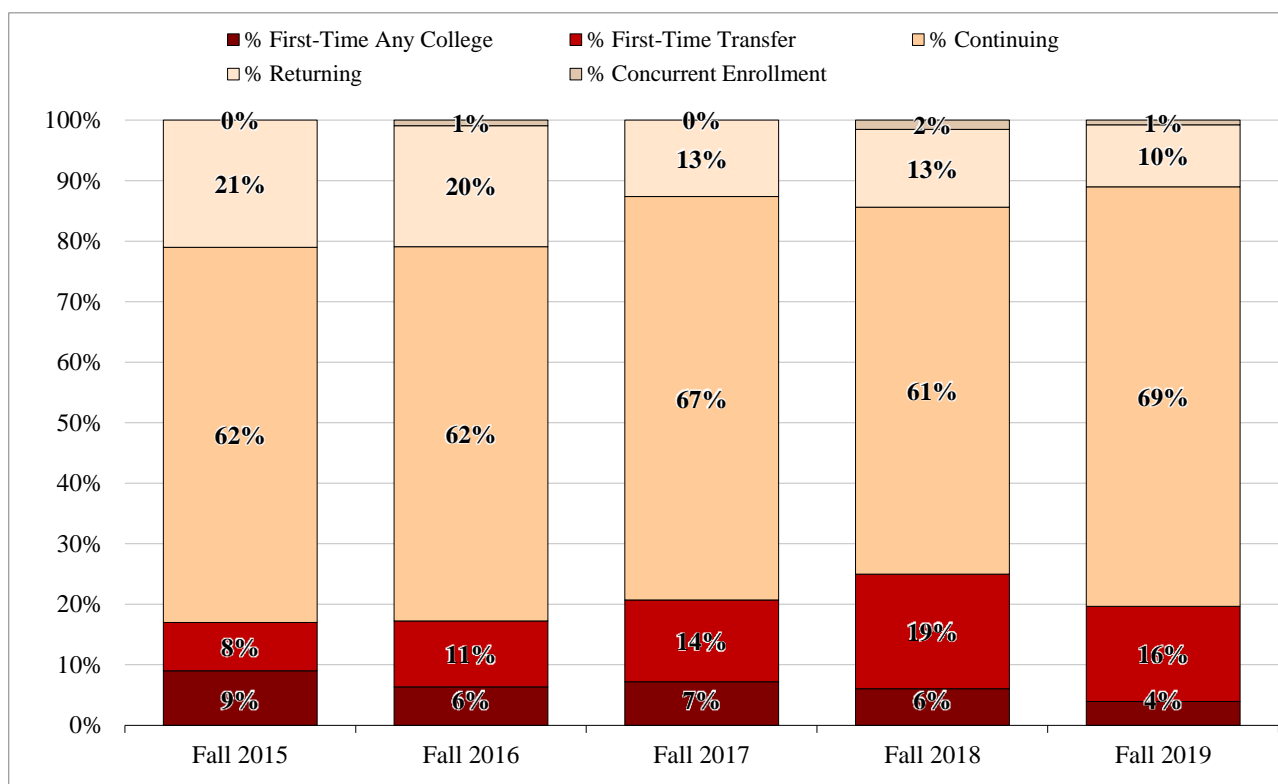


**Definitions:**

**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

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| Full-Time (15+ units) | 9 | 8 | 6 | 17 | 8 |
| Full-Time (12 - 14.5) | 16 | 21 | 22 | 27 | 30 |
| Part-Time (6 - 11.5) | 49 | 45 | 55 | 53 | 57 |
| Part-Time (0.5 - 5.5) | 26 | 36 | 28 | 35 | 32 |
| Non-Credit Only | — | — | — | — | — |
| % Full-Time (15+ units) | 9% | 7% | 5% | 13% | 6% |
| % Full-Time (12 - 14.5) | 16% | 19% | 20% | 20% | 24% |
| % Part-Time (6 - 11.5) | 49% | 41% | 50% | 40% | 45% |
| % Part-Time (0.5 - 5.5) | 26% | 33% | 25% | 27% | 25% |
| % Non-Credit Only | — | — | — | — | — |
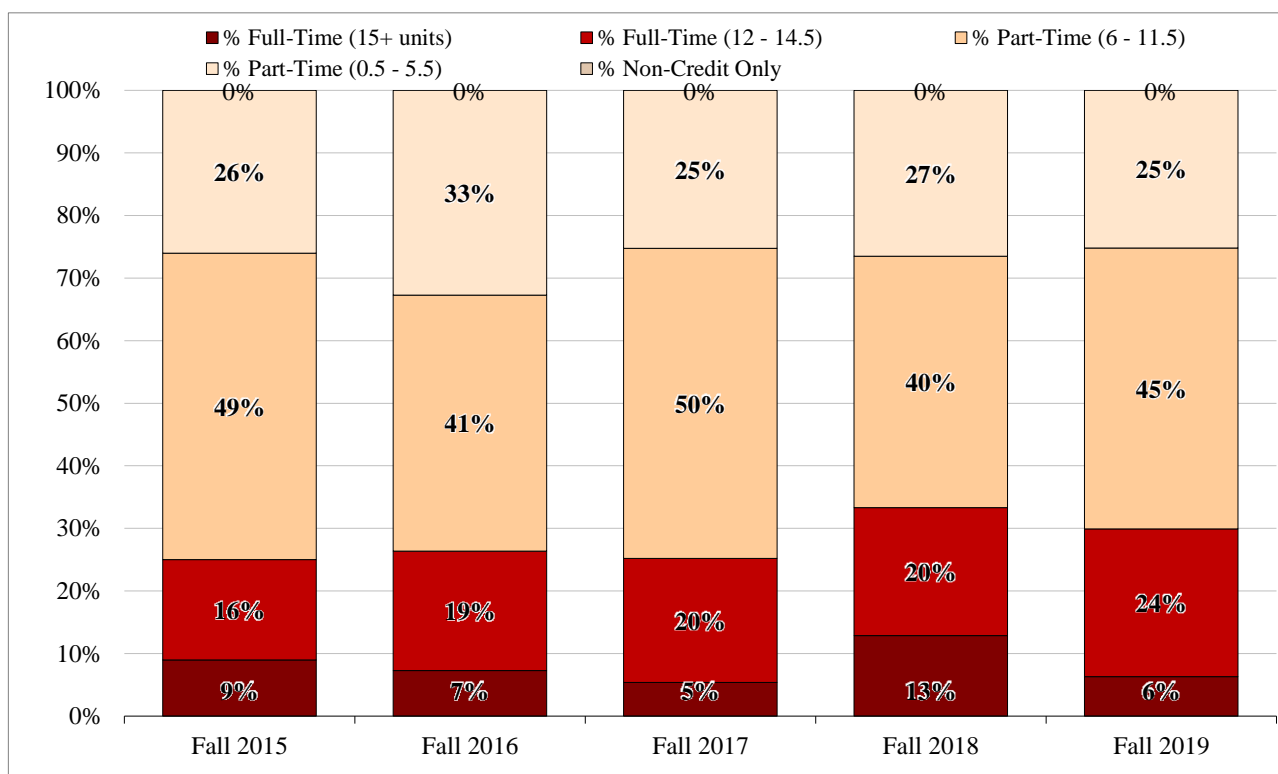
## Students Using Distance Education

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| *(Categories reflect college-wide coursework)* | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| Face-to-Face (F2F) Only | 31 | 86 | 81 | 46 | 40 |
| Both F2F and DE | 37 | 24 | 28 | 56 | 54 |
| Distance Education (DE) Only | 32 | 0 | 2 | 30 | 33 |
| % Face-to-Face (F2F) Only | 31% | 78% | 73% | 35% | 31% |
| % Both F2F and DE | 37% | 22% | 25% | 42% | 43% |
| % Distance Education (DE) Only | 32% | 0% | 2% | 23% | 26% |
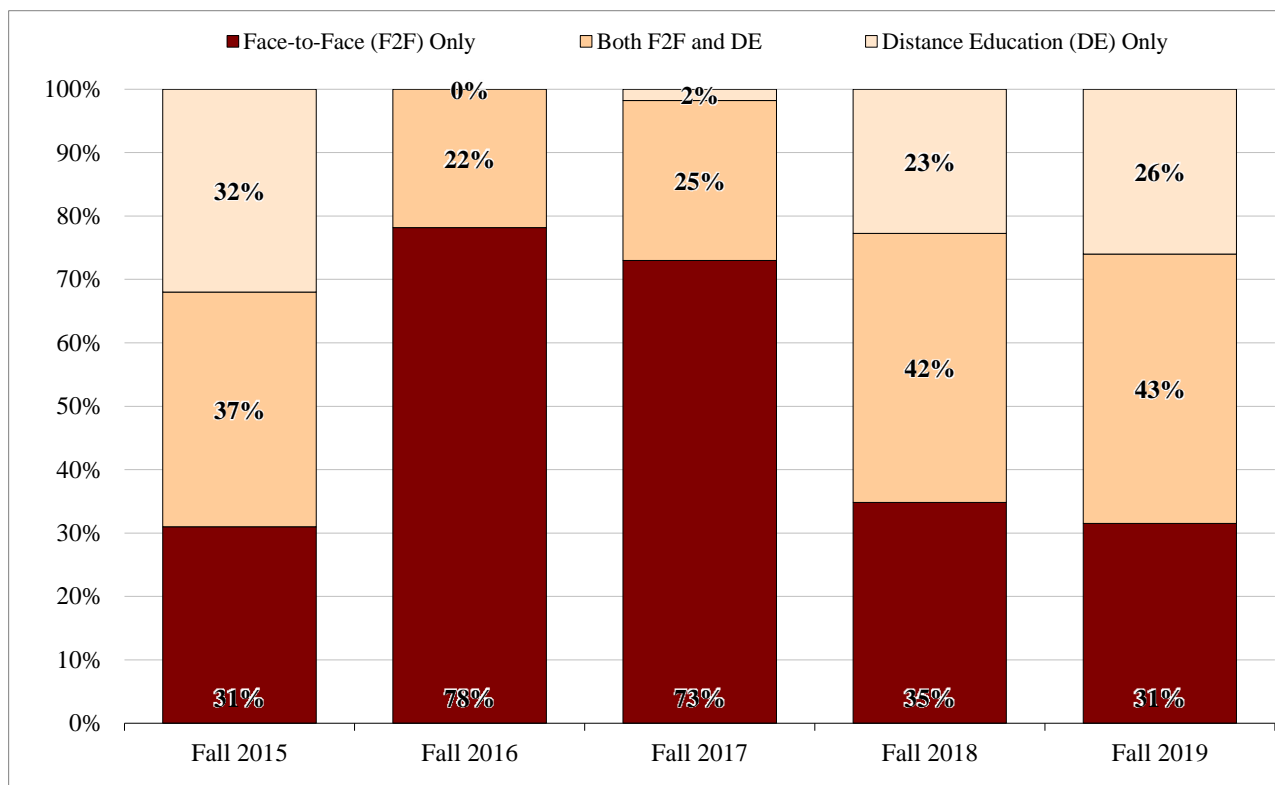


**Definitions:**

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

## Student Educational Goal

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | Term | | | | |
| | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 |
| Transfer (w/ or w/o AA/AS degree) | 48 | 51 | 54 | 60 | 58 |
| Associate Degree Only (AA/AS) | 12 | 9 | 10 | 21 | 18 |
| Occupational Certificate or Job Training | 28 | 30 | 29 | 37 | 33 |
| Improve English/Math Basic Skills | 3 | 4 | 4 | 0 | 4 |
| Personal Development (intellectual/cultural) | 1 | 1 | 2 | 3 | 2 |
| Other | 0 | 0 | 0 | 0 | 0 |
| Undecided | 8 | 13 | 11 | 11 | 12 |
| Unknown | 0 | 2 | 1 | 0 | 0 |
| % Transfer (w/ or w/o AA/AS degree) | 48% | 46% | 49% | 45% | 46% |
| % Associate Degree Only (AA/AS) | 12% | 8% | 9% | 16% | 14% |
| % Occupational Certificate or Job Training | 28% | 27% | 26% | 28% | 26% |
| % Improve English/Math Basic Skills | 3% | 4% | 4% | 0% | 3% |
| % Personal Development (intellectual/cultural | 1% | 1% | 2% | 2% | 2% |
| % Other | 0% | 0% | 0% | 0% | 0% |
| % Undecided | 8% | 12% | 10% | 8% | 9% |
| % Unknown | 0% | 2% | 1% | 0% | 0% |
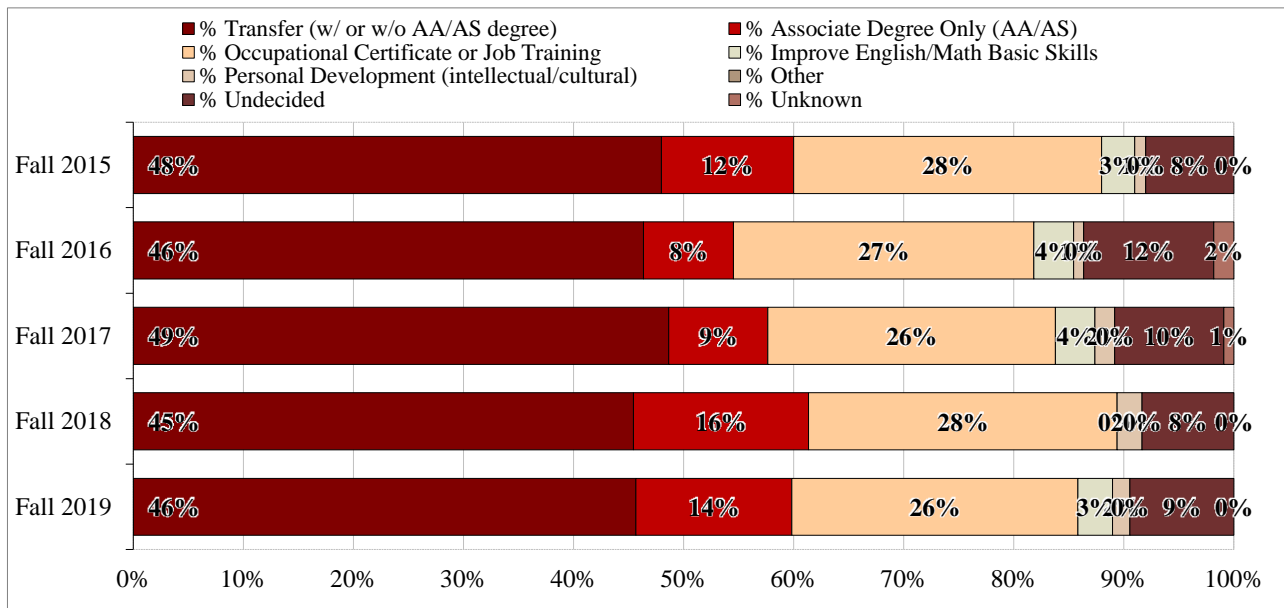


**Definitions:**

**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

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| High School/Adult School | 1 | 1 | 0 | 3 | 2 |
| Freshmen (<30 units) | 43 | 44 | 52 | 59 | 53 |
| Sophomore (30-59 units) | 21 | 18 | 21 | 27 | 25 |
| Other Undergraduate (60 units or more) | 12 | 18 | 12 | 20 | 20 |
| AA/AS Degree | 4 | 8 | 3 | 6 | 7 |
| BA/BS or Higher Degree | 19 | 21 | 23 | 17 | 20 |
| % High School/Adult School | 1% | 1% | 0% | 2% | 2% |
| % Freshmen (<30 units) | 43% | 40% | 47% | 45% | 42% |
| % Sophomore (30-59 units) | 21% | 16% | 19% | 20% | 20% |
| % Other Undergraduate (60 units or more) | 12% | 16% | 11% | 15% | 16% |
| % AA/AS Degree | 4% | 7% | 3% | 5% | 6% |
| % BA/BS or Higher Degree | 19% | 19% | 21% | 13% | 16% |
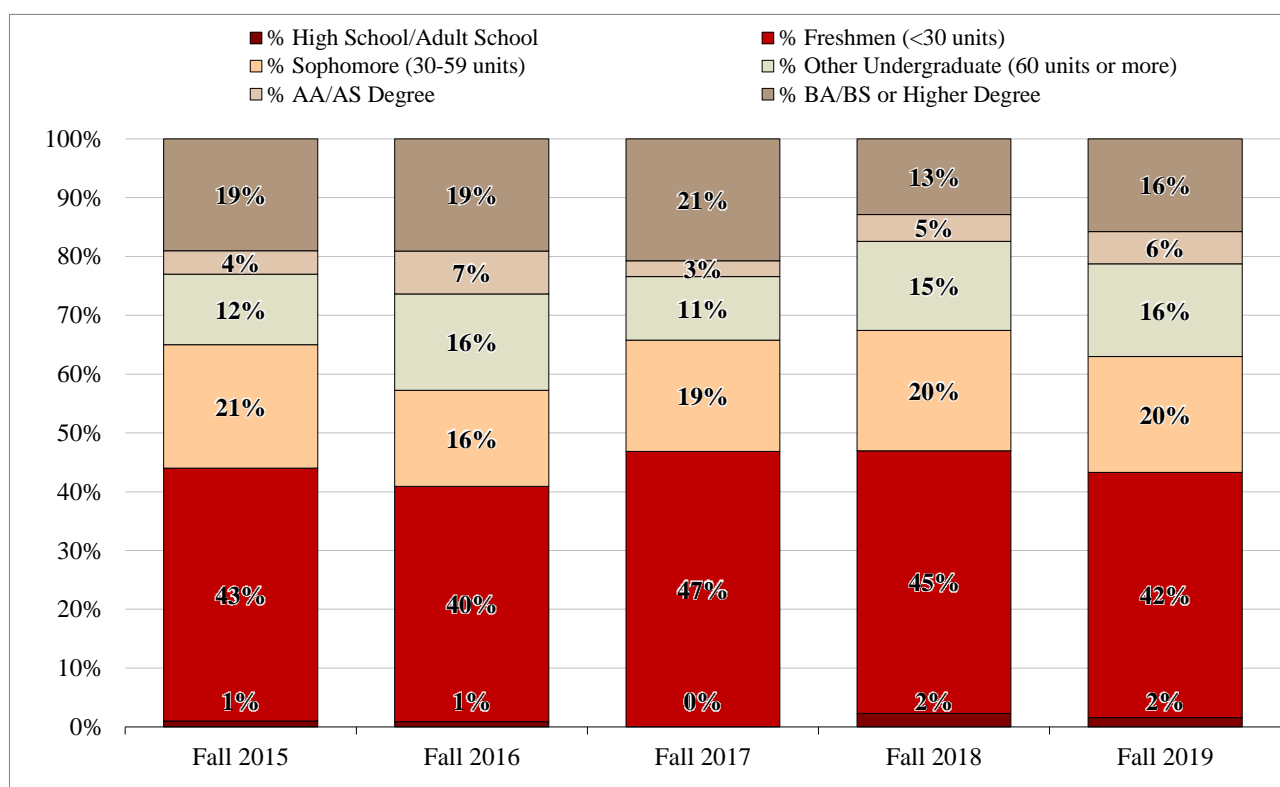
# Student Performance: Grade Distribution

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| **Total Course Enrollments** | **154** | **172** | **171** | **230** | **197** |
| **Course Success Rates** | **62%** | **73%** | **73%** | **59%** | **70%** |
| A | 32% | 52% | 53% | 42% | 50% |
| B | 13% | 10% | 14% | 10% | 12% |
| C | 16% | 9% | 6% | 7% | 8% |
| P | 0% | 2% | 0% | 0% | 1% |
| **Course Non-Success Rate** | **12%** | **16%** | **9%** | **17%** | **15%** |
| D | 8% | 3% | 2% | 3% | 3% |
| F/NP/I | 4% | 13% | 8% | 14% | 12% |
| **Withdrawals (W)** | **27%** | **12%** | **18%** | **24%** | **15%** |
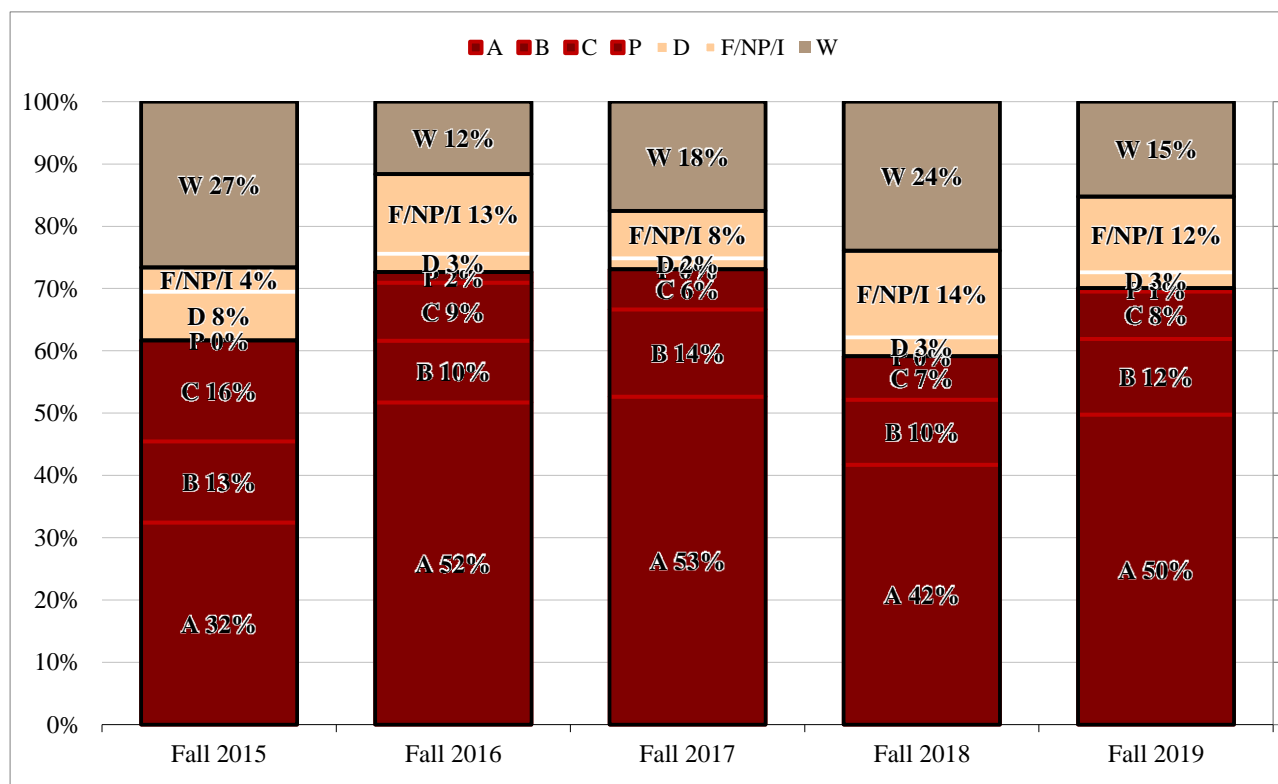


**Definitions:**

**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP or 'I') relative to all students receiving a grade.

**Withdrawals** is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

# Student Performance: Distance Education

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | **Term** | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| **Total Course Enrollments** | **154** | **172** | **171** | **230** | **197** |
| **Face-to-Face (F2F) Sections** | **80** | **168** | **164** | **125** | **92** |
| Success Rates | 69% | 73% | 73% | 71% | 71% |
| Non-Success Rates | 9% | 15% | 10% | 10% | 12% |
| Withdrawals | 23% | 12% | 17% | 19% | 17% |
| **Distance Education (DE) Sections** | **74** | **4** | **7** | **105** | **105** |
| Success Rates | 54% | 75% | 71% | 45% | 70% |
| Non-Success Rates | 15% | 25% | 0% | 26% | 17% |
| Withdrawals | 31% | 0% | 29% | 30% | 13% |
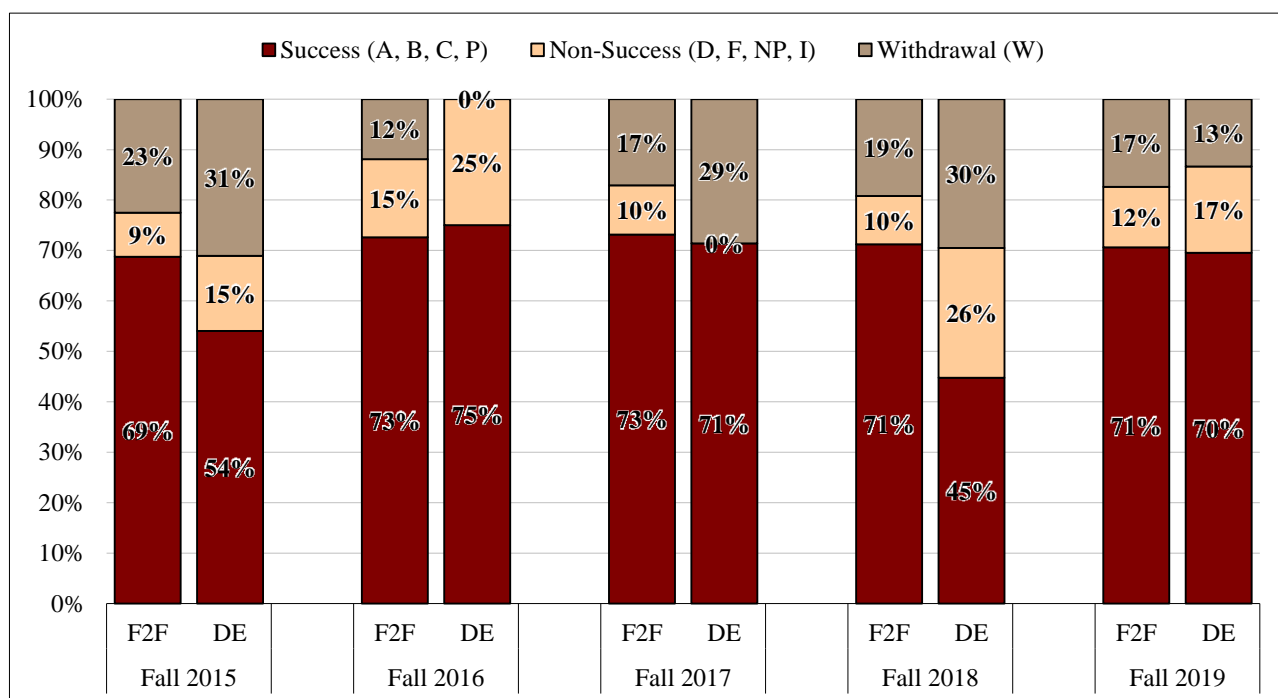


**Definitions:**

**Course Success Rate** is the percentage of students receiving a passing grade ('A', 'B', 'C', or 'P') relative to all students receiving a grade.

**Course Non-Success Rate** is the percentage of students receiving a grade of ('D', 'F', 'NP or 'I') relative to all students receiving a grade.

**Withdrawals** is the percentage of students receiving a grade notation of 'W' relative to all students receiving a grade.

**Distance Education (DE)** includes enrollments in course sections that begin with 'DE', 'HD', 'LD' and 'LO'.

# Enrollment Management: Part 1

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | Term | | | | |
| | **Fall 2015** | **Fall 2016** | **Fall 2017** | **Fall 2018** | **Fall 2019** |
| WSCH | 563 | 837 | 870 | 1,039 | 853 |
| FTES | 18.6 | 27.9 | 27.7 | 33.9 | 27.3 |
| FTEF | 1.3 | 2.0 | 1.7 | 2.2 | 2.4 |
| Productivity (WSCH/FTEF) | 431.1 | 413.3 | 497.4 | 481.7 | 355.6 |
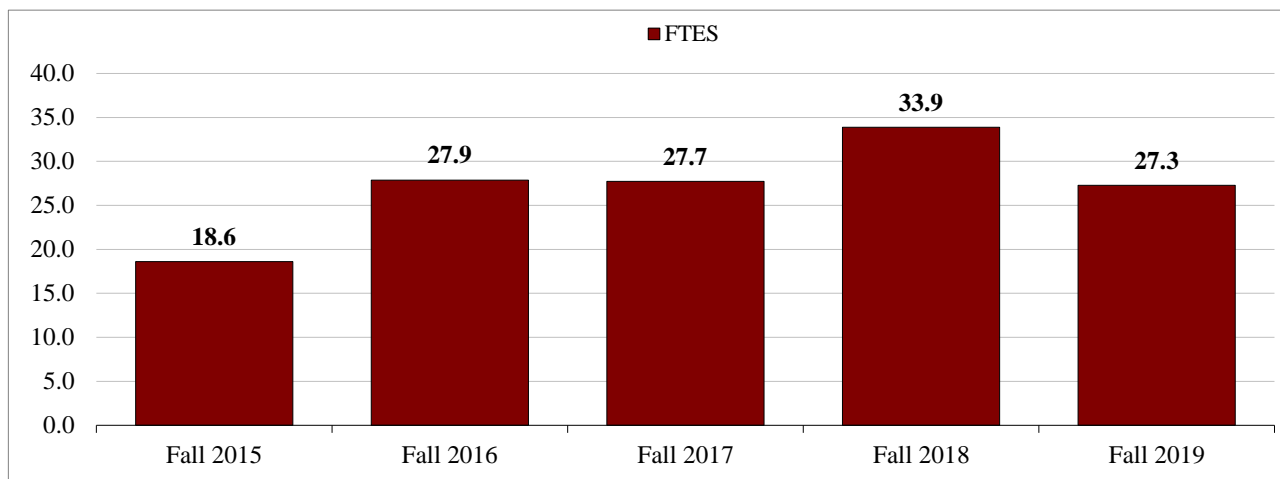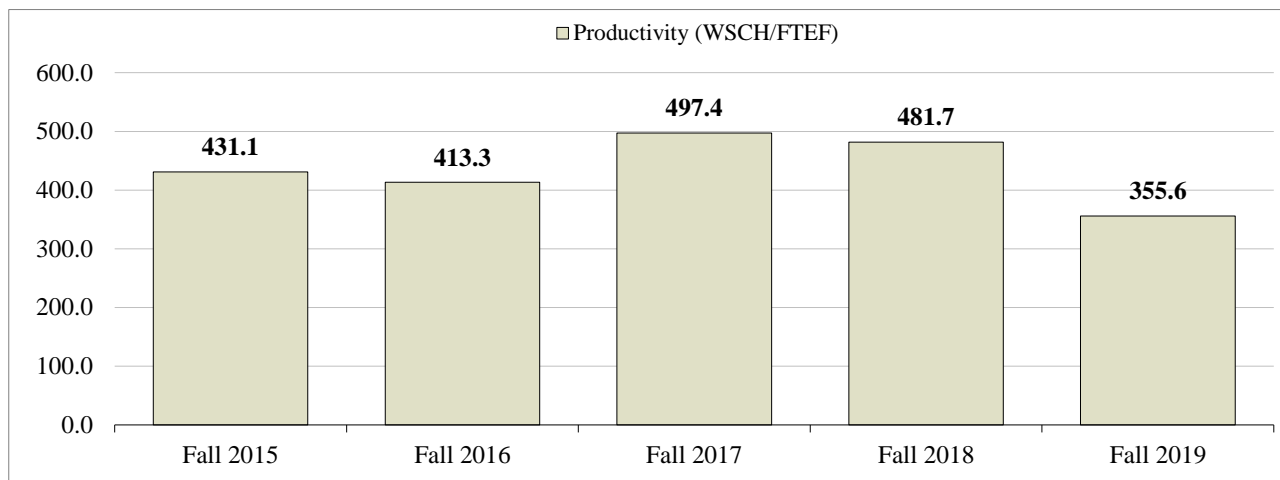




**Definitions:**

    **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 7/14/20.

# Enrollment Management: Part 2

| Computer Networking Technology ( CNT ) | | | | | |
|---|---|---|---|---|---|
| | Term | | | | |
| | Fall 2015 | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 |
| FTEF from Full-Time Faculty | 1.1 | 1.4 | 1.7 | 0.9 | 1.6 |
| % FTEF from Full-Time Faculty | 82% | 71% | 100% | 44% | 65% |
| Enrollments | 154 | 172 | 171 | 230 | 197 |
| Capacity (seats available) | 190 | 150 | 150 | 210 | 210 |
| Fill Rate | 81% | 115% | 114% | 110% | 94% |
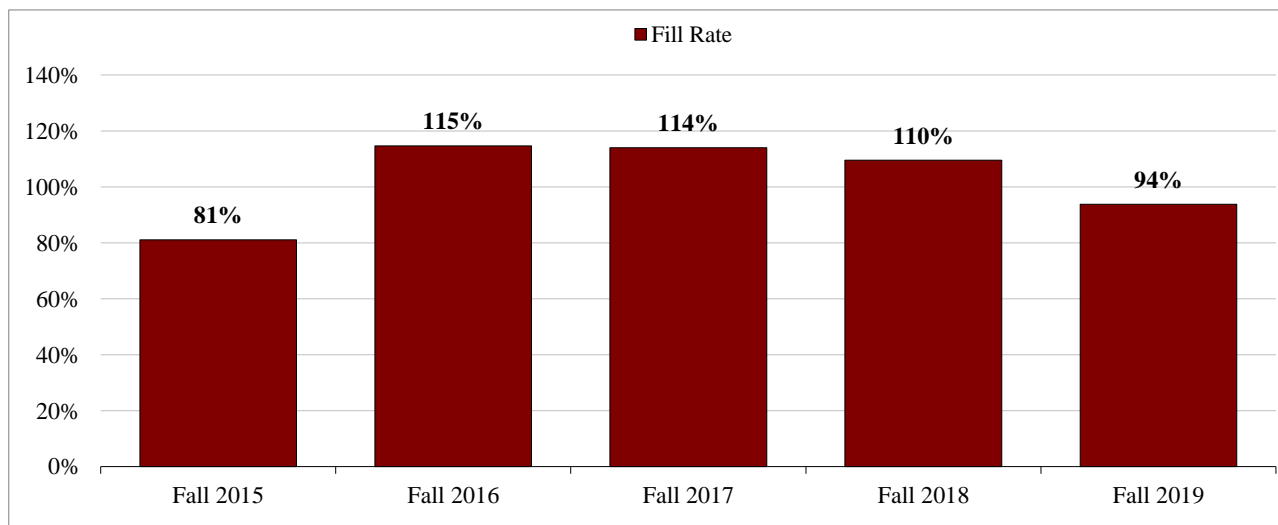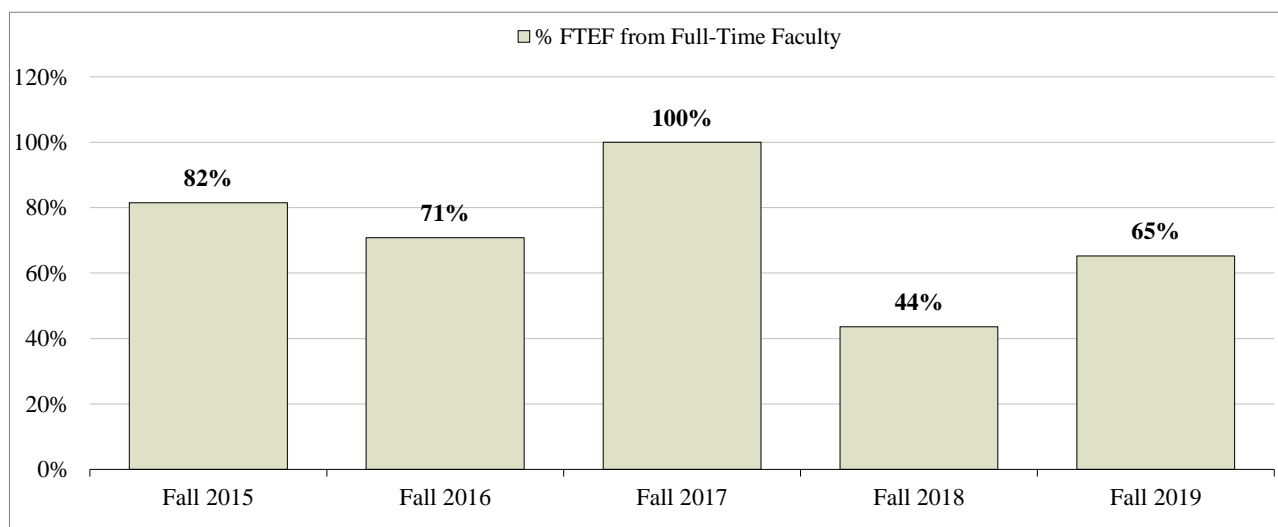




**Definitions:**

**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 7/14/20.

## College Readiness: English & Math Proficiency

| Fall 2019 | | | | | |
|---|---|---|---|---|---|
| | CNT | | | LPC Overall | |
| | Num | Pct | | Num | Pct |
| **College English** | | | | | |
| Completed College-level | 61 | 48% | | 4,712 | 52% |
| Attempted College-level | 6 | 5% | | 393 | 4% |
| Attempted Below College-level | 9 | 7% | | 261 | 3% |
| No Attempt (with placement) | 16 | 13% | | 1,887 | 21% |
| No Attempt (no placement) | 35 | 28% | | 1,811 | 20% |
| **College Math** | | | | | |
| Completed College-level | 59 | 46% | | 5,193 | 57% |
| Attempted College-level | 5 | 4% | | 302 | 3% |
| Attempted Below College-level | 8 | 6% | | 538 | 6% |
| No Attempt (with placement) | 20 | 16% | | 1,405 | 16% |
| No Attempt (no placement) | 35 | 28% | | 1,623 | 18% |
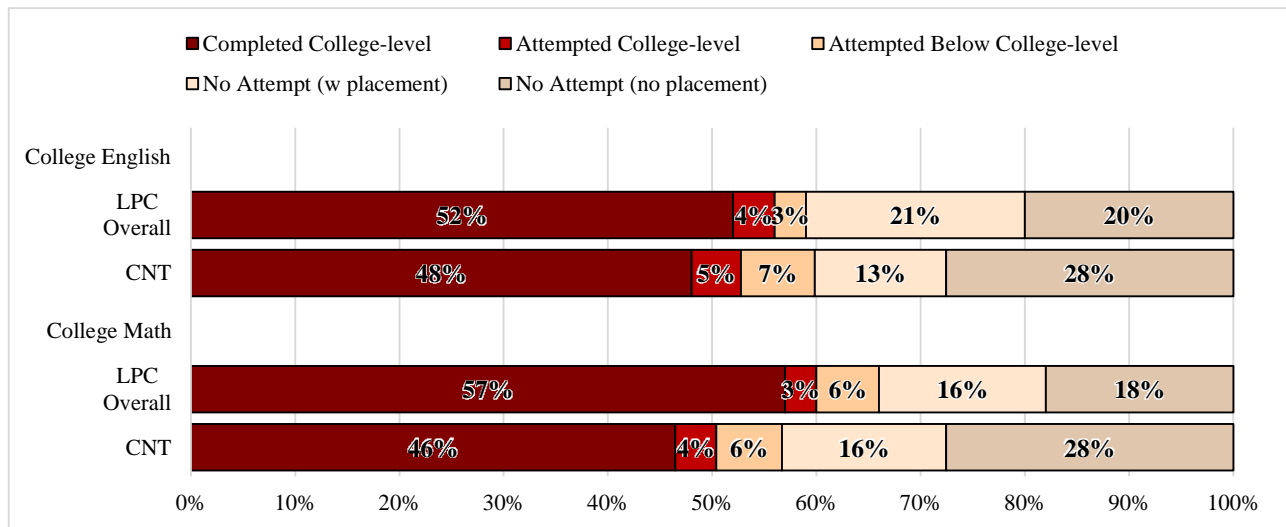


**Definitions:**

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

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

**College Math:**

**Completed College-level** = succesfully 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 Attempt (w placement)** = no previous Math enrollments within the sequence but has used a placement tool.

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