

2022-23 Degrees Conferred in Oklahoma Higher Education

During the 2022-23 academic year, the Oklahoma state system of higher education conferred 37,189 degrees and certificates, which represents a 0.6% (212) increase in degree and certificate production over the previous academic year and a 1.1% (419) increase over the last five years. With regard to high-demand fields of study aligned with critical occupations, over the last decade, state system institutions increased degree and certificate production in STEM fields by 19.2% and in the health professions by 7.1%. Oklahoma's state system of higher education continues to be a key partner in producing the graduates needed to meet Oklahoma's current and future workforce demands. Information regarding degree and certificate production by award level, demographics, field of study, and critical occupations is provided in this report.

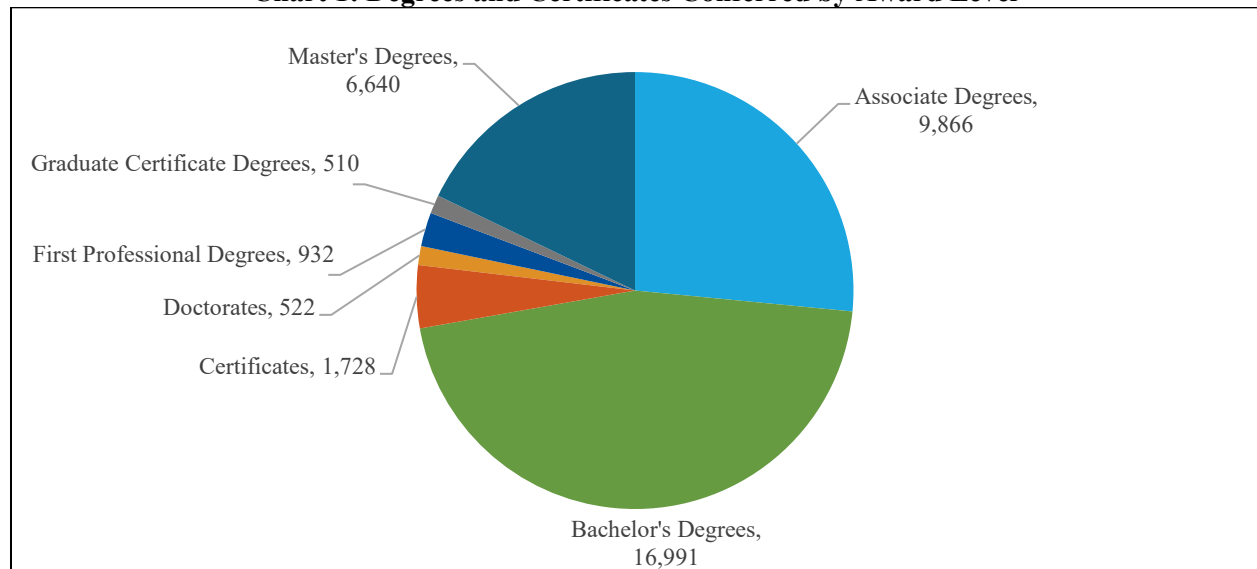
Degrees and Certificates Conferred by Award Level

The number of degrees and certificates conferred by award level in the 2022-23 academic year is as follows:

- 1,728 certificates
- 9,866 associate's degrees
- 16,991 bachelor's degrees
- 510 graduate certificates
- 6,640 master's degrees
- 932 first professional degrees
- 522 doctoral degrees

Chart 1 provides a visual representation of degrees and certificates conferred by Oklahoma state system institutions during the 2022-23 academic year.

Chart 1: Degrees and Certificates Conferred by Award Level

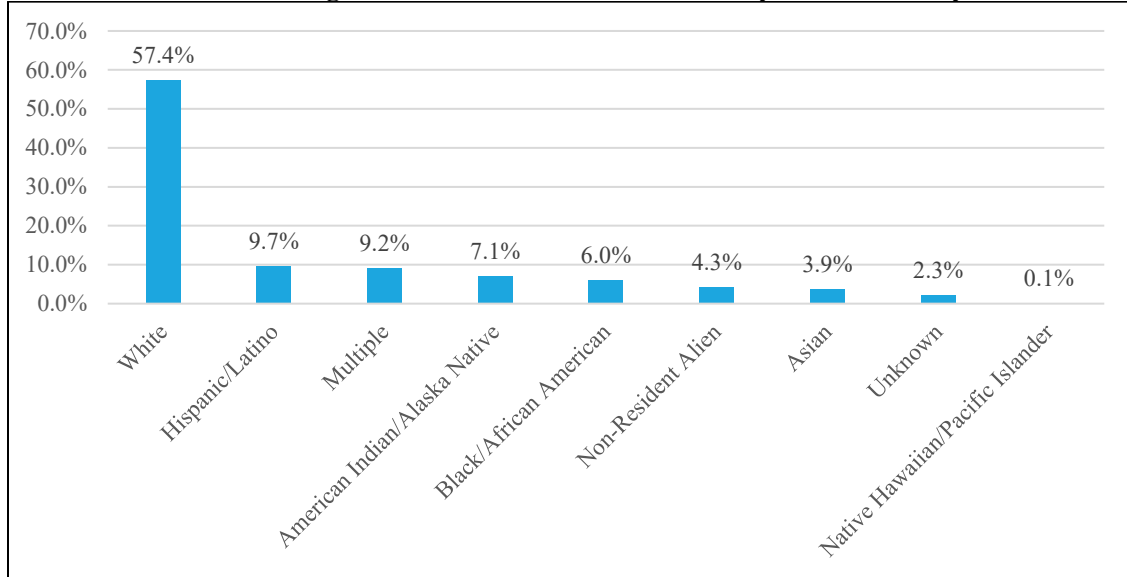


Certificates and associate's degrees accounted for 31.2% of total degrees and certificates conferred, while bachelor's degrees accounted for 45.7% of total degrees and certificates conferred. Graduate degrees and certificates made up 23.1% of total degrees and certificates conferred, while master's degrees accounted for 77.2% of total graduate degrees and certificates conferred.

Degrees and Certificates Conferred by Demographics

Chart 2 provides the demographic breakdown of degrees and certificates conferred by race/ethnicity. These percentages are comparable to 2022-23 enrollments in state system institutions by race/ethnicity.

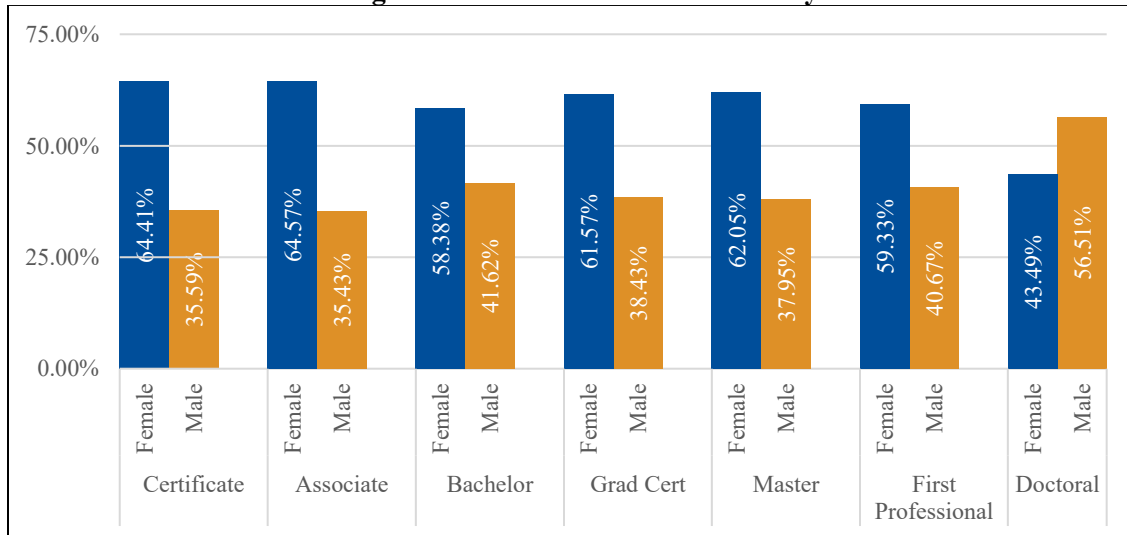
Chart 2: Degrees and Certificates Conferred by Race/Ethnicity



Outside of White, the largest race/ethnicity category of graduates was Hispanic/Latino. Over the last five years, the number of graduates with Hispanic/Latino races/ethnicities increased by 26.6%, from 7.7% (2,849) in 2018-19 to 9.7% (3,607) in 2022-23. Similarly, the number of graduates identifying as American Indian/Alaska Native increased by 8.5%, from 6.6% (2,433) in 2018-19 to 7.1% (2,641) in 2022-23.

In regard to gender, 60.8% of degrees and certificates conferred in 2022-23 went to women, while 39.2% of degrees and certificates conferred were awarded to men. Chart 3 provides the gender breakdown for degrees and certificates awarded to men and women by academic level.

Chart 3: Degrees and Certificates Conferred by Gender



Compared to the 2021-22 academic year, degrees and certificates conferred to men decreased slightly (0.2%), while degrees and certificates conferred to women increased (1.1%). Over the last five years,

graduate degrees and certificates awarded to women increased by 28.3% (1,151), whereas graduate degrees and certificates awarded to men increased by 15.0% (443). Compared to the prior year, the distribution of doctoral degrees awarded to men increased by 27.7% (64), while doctoral degrees awarded to women decreased by 1.3% (3).

Historical Trends

Oklahoma’s public colleges and universities have been consistent in the total number of degrees and certificates awarded annually. Table 1 provides data on degree and certificate production by award level over the last five years.

Table 1. Degrees and Certificates Conferred, 5-Year Average

| Award Level | 2018 19 | 2019 20 | 2020 21 | 2021 22 | 2022 23 | 5 Year Average |
|----------------------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| Certificates | 1,322 | 1,253 | 1,270 | 1,387 | 1,728 | 1,392.0 |
| Associate’s Degrees | 10,790 | 10,368 | 10,398 | 9,877 | 9,866 | 10,259.8 |
| Bachelor’s Degrees | 17,647 | 17,765 | 17,942 | 17,577 | 16,991 | 17,584.4 |
| Graduate Certificates | 458 | 370 | 402 | 545 | 510 | 457.0 |
| Master’s Degrees | 5,145 | 5,507 | 5,763 | 6,224 | 6,640 | 5,855.8 |
| First Professional Degrees | 908 | 915 | 898 | 906 | 932 | 911.8 |
| Doctoral Degrees | 500 | 481 | 476 | 461 | 522 | 488.0 |
| Total | 36,770 | 36,659 | 37,149 | 36,977 | 37,189 | 36,948.8 |

Table 2 shows 5-year and 10-year changes in degree and certificate production in Oklahoma state system institutions. Since 2018-19, undergraduate certificates and master’s degrees had the largest growth (30.7% and 29.1% respectively), while associate’s degrees and bachelor’s degrees declined in production during that time. Since 2013-14, undergraduate certificates and graduate certificates had the largest growth (70.8% and 88.9% respectively), while associate’s degrees declined in production during that time.

Table 2. 5-Year and 10-Year Changes in Degrees and Certificates Conferred

| Award Level | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|----------------------------|---------------|---------------|---------------|---------------|----------------|
| Certificates | 1,012 | 1,322 | 1,728 | 30.7% | 70.8% |
| Associate’s Degrees | 10,852 | 10,790 | 9,866 | -8.6% | -9.1% |
| Bachelor’s Degrees | 16,573 | 17,647 | 16,991 | -3.7% | 2.5% |
| Graduate Certificates | 270 | 458 | 510 | 11.4% | 88.9% |
| Master’s Degrees | 5,030 | 5,145 | 6,640 | 29.1% | 32.0% |
| First Professional Degrees | 929 | 908 | 932 | 2.6% | 0.3% |
| Doctoral Degrees | 487 | 500 | 522 | 4.4% | 7.2% |
| Total | 35,153 | 36,770 | 37,189 | 1.1% | 5.8% |

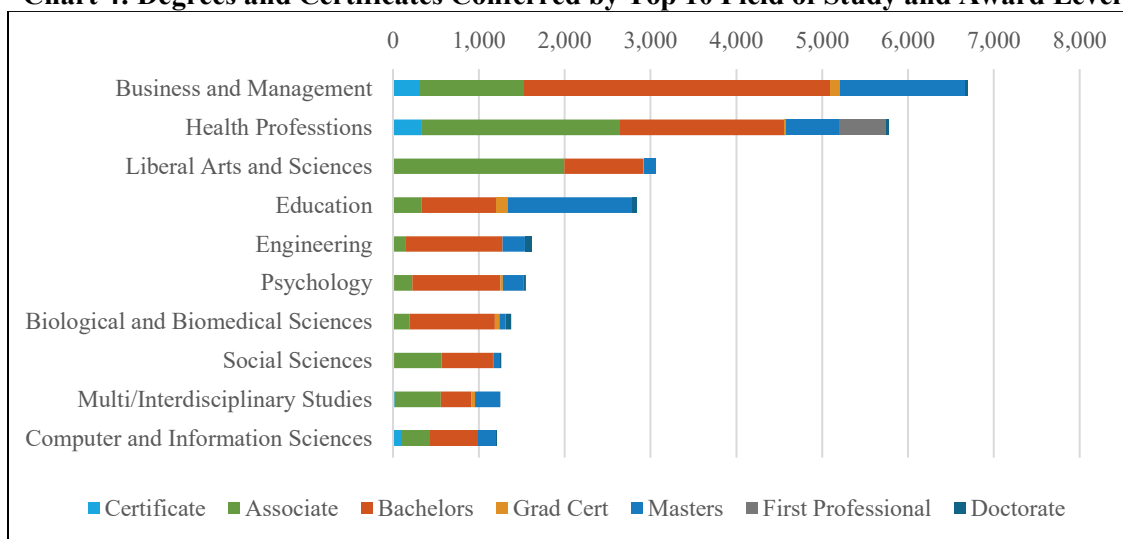
Degrees and Certificates Conferred by Field of Study

Among all degrees and certificates conferred in 2022-23, the top three fields of study were Business and Management, Health Professions, and Liberal Arts and Sciences. Top fields of study by degree level are as follows:

- Certificates – Family and Consumer Sciences (28.6%)
- Associate’s Degrees – Health Professions (23.4%)
- Bachelor’s Degrees – Business and Management (21.0%)
- Graduate Certificates – Education (25.3%)
- Master’s Degrees – Business and Management (21.9%)
- First Professional Degrees – Health Professions (59.4%)
- Doctoral Degrees – Engineering (14.2%)

Chart 4 provides a visual representation of degrees and certificates conferred by state system institutions during the 2022-23 academic year by field of study and award level.

Chart 4: Degrees and Certificates Conferred by Top 10 Field of Study and Award Level



Degrees and Certificates Conferred in Critical Occupations

Education. State system institutions awarded 2,838 degrees and certificates in education during the 2022-23 academic year. As shown in Table 3, this represents a 5.3% increase compared to the 2018-19 academic year and a 13.1% decline compared to 2013-14. Despite this overall decline in the total number of degrees and certificates conferred in education, production of graduate certificates and master’s degrees in this field has increased over the last decade by 514.3% and 36.1% respectively.

Table 3. Degrees and Certificates Conferred by Award Level – Education

| Award Level | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|-----------------------|--------------|--------------|--------------|---------------|----------------|
| Certificates | -- | 6 | 10 | 66.7% | -- |
| Associate’s Degrees | 742 | 513 | 319 | -37.8% | -57.0% |
| Bachelor’s Degrees | 1,376 | 1,069 | 882 | -17.5% | -35.9% |
| Graduate Certificates | 21 | 89 | 129 | 44.9% | 514.3% |
| Master’s Degrees | 1,063 | 949 | 1,447 | 52.5% | 36.1% |
| Doctoral Degrees | 63 | 69 | 51 | -26.1% | -19.0% |
| Total | 3,265 | 2,695 | 2,838 | 5.3% | -13.1% |

With regard to approved educator preparation programs at state system institutions, annual production of bachelor’s degrees leading to eligibility to sit for teacher licensure declined by 34.1% over the last decade and 15.2% over the last five years, as shown in Table 4.

Table 4. Bachelor’s Degrees Conferred in Education Preparation Programs

| Award Level | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|--------------------|---------|---------|---------|---------------|----------------|
| Bachelor’s Degrees | 1,321 | 1,027 | 871 | -15.2% | -34.1% |

Science, Technology, Engineering, and Mathematics (STEM). State system institutions conferred 7,551 STEM degrees and certificates during the 2022-23 academic year, representing a 19.2% increase over the last decade. More specifically, the number of bachelor’s degrees produced in STEM fields has increased 24.6% over the last 10 years. Table 5 provides the 5-year and 10-year change in degree and certificate production in STEM fields by award level.

Table 5. Degrees and Certificates Conferred by Award Level – STEM

| Award Level | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|-----------------------|--------------|--------------|--------------|---------------|----------------|
| Certificates | 111 | 152 | 202 | 32.9% | 82.0% |
| Associate's Degrees | 1,538 | 1,544 | 1,483 | -4.0% | -3.6% |
| Bachelor's Degrees | 3,508 | 4,919 | 4,372 | -11.1% | 24.6% |
| Graduate Certificates | 14 | 90 | 132 | 46.7% | 842.9% |
| Master's Degrees | 936 | 994 | 1,109 | 11.6% | 18.5% |
| Doctoral Degrees | 230 | 249 | 253 | 1.6% | 10.0% |
| Total | 6,337 | 7,948 | 7,551 | -5.0% | 19.2% |

Looking at specific STEM fields, Table 6 shows that degree and certificate production in computer and information sciences increased by 11.9% over the last five years and 32.1% over the last 10 years. Similarly, degree and certificate production in engineering increased by 8.1% over the last five years and 43.1% over the last 10 years.

Table 6. Degrees and Certificates Conferred by STEM Field

| STEM Field | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|--------------------------|--------------|--------------|--------------|---------------|----------------|
| Biological Sciences | 1,085 | 1,224 | 1,302 | 6.4% | 20.0% |
| Computer & Info Sciences | 848 | 1,001 | 1,120 | 11.9% | 32.1% |
| Engineering | 1,398 | 1,850 | 2,000 | 8.1% | 43.1% |
| Engineering Technologies | 919 | 827 | 744 | -10.0% | -19.0% |
| Physical Sciences | 524 | 583 | 612 | 5.0% | 16.8% |
| Remaining STEM Fields | 1,563 | 2,463 | 1,773 | -28.0% | 13.4% |
| Total | 6,337 | 7,948 | 7,551 | -5.0% | 19.2% |

Health Professions. State system institutions awarded 5,776 degrees and certificates in health professions during the 2022-23 academic year. As shown in Table 7, this represents a 1.3% decrease compared to the 2018-19 academic year and a 7.1% increase compared to the 2013-14 academic year.

Table 7. Degrees and Certificates Conferred by Award Level – Health Professions

| Award Level | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|----------------------------|--------------|--------------|--------------|---------------|----------------|
| Certificates | 357 | 352 | 336 | -4.5% | -5.9% |
| Associate's Degrees | 2,368 | 2,631 | 2,307 | -12.3% | -2.6% |
| Bachelor's Degrees | 1,405 | 1,577 | 1,920 | 21.8% | 36.7% |
| Graduate Certificates | 78 | 36 | 18 | -50.0% | -76.9% |
| Master's Degrees | 500 | 592 | 614 | 3.7% | 22.8% |
| First Professional Degrees | 676 | 645 | 554 | -14.1% | -18.0% |
| Doctoral Degrees | 7 | 21 | 27 | 28.6% | 285.7% |
| Total | 5,391 | 5,854 | 5,776 | -1.3% | 7.1% |

Looking at nursing specifically, total degree and certificate production in the 2022-23 academic year was 2.2% higher than in 2018-19 and 17.4% higher than in 2013-14, as shown in Table 8.

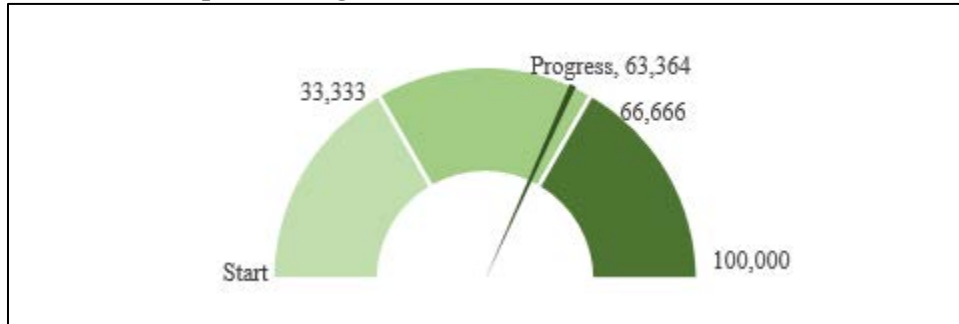
Table 8. Degrees and Certificates Conferred – Nursing

| Health Professions Field | 2013 14 | 2018 19 | 2022 23 | 5 Year Change | 10 Year Change |
|--------------------------|---------|---------|---------|---------------|----------------|
| Nursing | 2,191 | 2,517 | 2,572 | 2.2% | 17.4% |

Critical Occupations Toward 2030 Workforce Readiness Goal. In 2022, OSRHE set the goal of the state system producing 100,000 degrees and certificates in identified critical occupations by 2030. In 2021-22, 31,573 degrees and certificates were conferred in critical occupations, and in 2022-23, an additional 31,791 degrees and certificates were conferred in critical occupations. With 63,364 total degrees and

certificates conferred in critical occupations in the last two years, OSRHE is at 63% of the 2030 Workforce Readiness Goal (as shown in Chart 5).

Chart 5: Critical Occupations Degrees Conferred Toward 2030 Workforce Readiness Goal



Additional Information

Additional information on 2022-23 degrees and certificates conferred is available upon request.