

## Delivering Courses Beyond Campus Walls Off-campus and Distance Education at Nebraska Public Institutions 2015-2016

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NOTE: All data were self-reported by the institutions. Anomalies were investigated as time allowed.

# Delivering Courses Beyond Campus Walls Highlights of the Report 2015-2016

#### What is distance delivery?

- Traditional delivery—instructor and students are in the same time and place away from the campus; for example, a face-to-face class in a different town or a location in the community other than the campus.
- Synchronous delivery—instructor and students are in the same time, but not the same place; for example, two-way interactive video, where the instructor is in one location, often on the campus with students in a classroom, and delivers the course at the same time by video to other students at a "receiving" site or sites.
- Asynchronous delivery—instructor and students are in a different time and place; for example, an online course where students work on their own and there is no specified time for the class as a whole to have contact with the instructor.

#### Which Nebraska public institutions offer courses at distance?

- All six community colleges, the three state colleges, and the University of Nebraska campuses offer courses at distance (Table I). Institutions were instructed to report all courses offered at a location other than a main campus or a branch campus.
- Overall, the number of courses offered at distance increased by 10.8% from 2013-14 to 2015-16. In the most recent year (2014-15 to 2015-16) the university and community colleges increased the number of courses offered, although four individual institutions reported a decline.
  - Between 2013-14 and 2014-15, the university increased their offerings by 4% with all but UNL increasing the number of courses.
  - The state college offerings declined by 7% overall, with a decline at CSC, a slight increase at PSC, and no change at WSC.

- The number of distance courses at the community colleges increased by 10.9%, a substantial increase over the 3.2% in the previous year. Two of the six colleges (MPCC and WNCC) experienced decreases.
  - As in the previous year, the largest increase by far was at CCC (57.7%), with a 75.9% increase in asynchronous courses, while the largest decline was 42.7% at WNCC.
  - The number of courses offered by traditional delivery at MCC appears considerably higher than the other five colleges because the college has three education centers that are not considered branch campuses but enroll large numbers of students (Sarpy, Applied Technology-Irvington, and Fremont with adjacent Washington County Technology).

### What is the most popular method of delivery?

- When the Commission first collected this information in the early 1990s, one of the primary goals was to determine if students not living in a "college town" had access to higher education courses. At that time traditional delivery was the primary method of reaching students who could not be present on campus. Synchronous delivery consisted of a few two-way interactive video courses and asynchronous delivery was mainly pre-recorded audio and video courses.
- Today asynchronous delivery is by far the most popular delivery mechanism in all three sectors, while synchronous is the least-used (Table I).
- The popularity of asynchronous courses is illustrated in Graph I. Asynchronous delivery surpassed synchronous delivery in 2000-01 and traditional delivery in 2004-05. The apparent minimal decline between 2010-11 and 2011-12 may be due to a possible anomalous report from CCC in 2010-11. Had their 2010-11 figure been closer to previous years, the total for 2010-11 would have been smaller and there would have been a slight increase in 2011-12.
- The number of traditional delivery courses declined steadily from 2005-06 to 2009-10, but increased in 2010-11. There were fluctuations over the next five years, ending with 2015-16 recording the third largest number of courses since counting was begun.
- The community colleges are by far the largest users of synchronous delivery. While synchronous delivery is the

least used overall, the large number at the community colleges is due, in part, to dual enrollment courses offered to high school students at their high school building. The ability of colleges to offer synchronous courses to K-12 schools was enhanced by the passage of LB1208 in 2006. The bill provided for improvement in connectivity state-wide and offered incentives for K-12 schools to participate in distance delivery.

#### What courses are offered at distance?

- Almost every type of course is offered at distance, including courses requiring hands-on activities such as biology, nursing, and mechanics. (Also see the section on degrees and awards available at distance on page 5 and the section on offerings for high school students on page 12.)
- At the community colleges, the largest single category of courses is "liberal arts and sciences," including those for academic transfer programs that are reported together in a single category.
- At the four year institutions, large numbers of courses were offered in the social sciences, business, education, health professions, and computer and information sciences.

#### How many students are served at distance?

- In 1998-99, the first year the Commission collected enrollment data, there were 7,512 students (duplicated headcount<sup>1</sup>) enrolled in courses offered either synchronously or asynchronously. Over three times that many were served at distance by traditional delivery (Graph II).
- By 2005-06 the numbers had shifted dramatically as the delivery methods shifted—a trend that continues in 2015-16. The number of students enrolled in asynchronous courses increased from just over 4,400 in 1998 to 166,135 (duplicated headcount) in 2015-16.
- The total number of students served by some form of distance education was 212,699 (duplicated headcount) in 2015-16 (Table II). This figure is a slight increase from 2014-15, reflecting modest increases in synchronous and traditional delivery with larger increases in asynchronous.

<sup>&</sup>lt;sup>1</sup> Duplicated headcount means that a student is counted every time that student takes a course.

• While the number of students increases in all three sectors between 2014-15 and 2015-16, CSC and four of the community colleges reported a drop in the number of students (increases reported at CCC and NECC only).

#### Are degrees or other awards available entirely by distance technology?

- A variety of awards are available at distance, ranging from certificates at the community colleges to educational specialist and master's degrees at the university and state colleges and an EdD at UNL.
- A small number are available utilizing strictly traditional delivery, and a greater number are delivered with a combination of distance and traditional delivery. By far, the largest number are delivered entirely by some type of distance delivery technology.
- In 2008-09 the number of awards available using technology approached 100. In 2013-14 there were 185 available (Table III), a drop from the previous year. The number rebounded to 218 in 2014-15 and 272 in 2015-16. The decline in 2013-14 was due in part to two institutions who reported in 2012-13 but not in 2013-14. Only CSC failed to report in 2014-15 and 2015-16.
- The awards are made in numerous disciplines. The following highlights apply only to awards available entirely at distance in 2015-16.
  - The majority of the awards reported at UNL and UNK are master's degrees and above, and although the disciplines vary, many are in education. UNL also offers master's degrees in engineering, applied science, journalism, agronomy, interior design, and business. UNO's degrees consist of the BGS and other bachelor's degrees in sociology, library science, and management information systems. Master's degrees are available in a variety of fields including criminal justice, special education, and public administration. Various certificates and endorsements are offered on all three campuses.
  - UNMC offered bachelor's degrees in nursing, radiation science technology, and clinical laboratory science. At the graduate level they offered master's degrees in clinical perfusion, physician assistant, public health, and emergency preparedness.

- At PSC the majority of degrees were in business and criminal justice at the bachelor's level. Both PSC and WSC offered master's degrees in education and organizational management. WSC also has an MBA and EdS (CSC did not report this year).
- At the community college level, MPCC reported no awards available entirely at distance. WNCC reported four degrees, a diploma, and two certificates in health information and business. SCC's two degrees were in business, with certificates in business, emergency management, and GIS. The remaining three colleges (CCC, MCC, and NECC) offered their academic transfer program entirely at distance as well as a certificate, diploma, or degree in at least one area of business. Awards in health information technology, information technology, and criminal justice were also common.

#### Where are the distance courses offered?

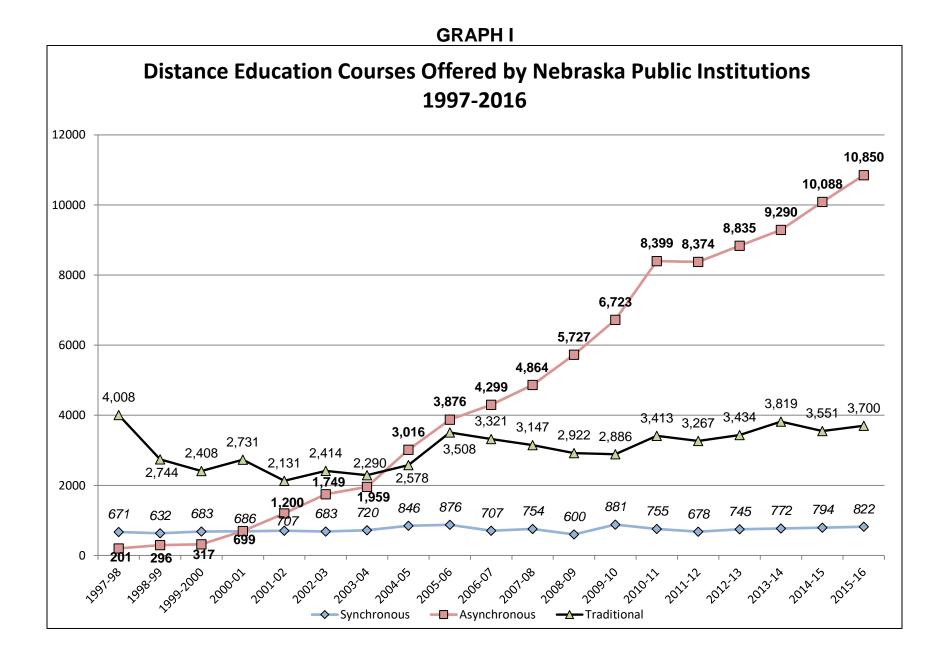
- Most asynchronous courses are available anywhere a student has access to a computer, including his or her home, work place, or on campus. Because students enrolled in asynchronous courses could be anywhere in the world, the Commission does not ask the institutions to report this information.
- Synchronous and traditionally-delivered courses were once offered in the majority of Nebraska counties, but this number has declined as the popularity of asynchronous courses has increased.
- Most synchronous courses require a location capable of receiving a live transmission from the campus. Many high schools and public buildings have this capability. Some institutions utilize this capability to offer college courses to high school students, especially after the passage of LB1208 in 2006 that was the impetus for the creation of a statewide network for distance education. For additional information on offerings to high school students, see page 12.

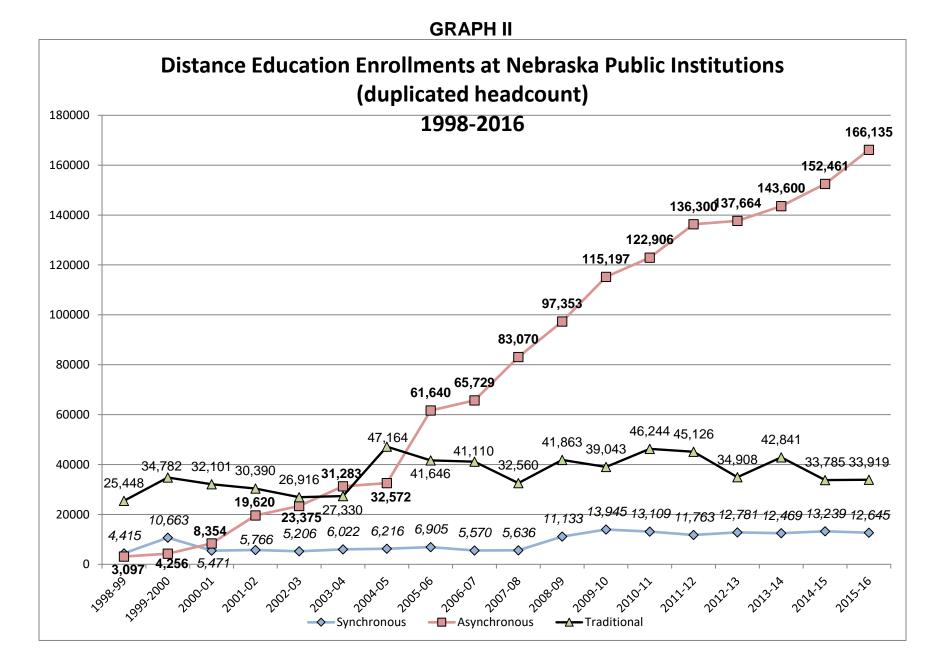
# TABLE ISummary of Delivery Methods and Number of Courses2013-2016

|                     |       | 201    | 3-14      |        |       | 201    | 4-15      |        |       | 2015-16 |           |        |  |  |
|---------------------|-------|--------|-----------|--------|-------|--------|-----------|--------|-------|---------|-----------|--------|--|--|
| Institution         | Synch | Asynch | Tradition | Total  | Synch | Asynch | Tradition | Total  | Synch | Asynch  | Tradition | Total  |  |  |
| UNK                 | 5     | 823    | 4         | 832    | 4     | 907    | 3         | 914    | 7     | 969     | 4         | 980    |  |  |
| UNL                 | 0     | 1,287  | 5         | 1,292  | 0     | 1,261  | 34        | 1,295  | 0     | 1,209   | 72        | 1,281  |  |  |
| UNMC                | 101   | 449    | 0         | 550    | 103   | 458    | 0         | 561    | 108   | 487     | 0         | 595    |  |  |
| UNO                 | 0     | 936    | 677       | 1,613  | 0     | 1,213  | 689       | 1,902  | 0     | 1,443   | 553       | 1,996  |  |  |
| NCTA                | 0     | 32     | 0         | 32     | 0     | 36     | 0         | 36     | 0     | 38      | 0         | 38     |  |  |
| University Total    | 106   | 3,527  | 686       | 4,319  | 107   | 3,875  | 726       | 4,708  | 115   | 4,146   | 629       | 4,890  |  |  |
| CSC                 | 23    | 728    | 48        | 799    | 21    | 706    | 41        | 768    | 22    | 555     | 45        | 622    |  |  |
| PSC                 | 0     | 335    | 135       | 470    | 0     | 333    | 144       | 477    | 0     | 355     | 149       | 504    |  |  |
| WSC                 | 8     | 360    | 128       | 496    | 10    | 300    | 127       | 437    | 4     | 313     | 120       | 437    |  |  |
| State College Total | 31    | 1,423  | 311       | 1,765  | 31    | 1,339  | 312       | 1,682  | 26    | 1,223   | 314       | 1,563  |  |  |
| CCC                 | 139   | 578    | 284       | 1,001  | 148   | 929    | 225       | 1,302  | 147   | 1,634   | 272       | 2,053  |  |  |
| MCC                 | 132   | 1,751  | 1,335     | 3,218  | 115   | 1,732  | 1,278     | 3,125  | 85    | 1,724   | 1,369     | 3,178  |  |  |
| MPCC                | 176   | 275    | 189       | 640    | 176   | 386    | 75        | 637    | 221   | 310     | 104       | 635    |  |  |
| NECC                | 134   | 366    | 548       | 1,048  | 141   | 339    | 590       | 1,070  | 176   | 395     | 677       | 1,248  |  |  |
| SCC                 | 2     | 1,286  | 181       | 1,469  | 0     | 1,353  | 212       | 1,565  | 13    | 1,350   | 245       | 1,608  |  |  |
| WNCC                | 52    | 84     | 285       | 421    | 76    | 135    | 133       | 344    | 39    | 68      | 90        | 197    |  |  |
| Community College   | 0.05  | 4.040  | 0.000     | 7 707  | 050   | 4.074  | 0.540     | 0.040  | 004   | 5 464   | 0.757     | 0.040  |  |  |
| Total               | 635   | 4,340  | 2,822     | 7,797  | 656   | 4,874  | 2,513     | 8,043  | 681   | 5,481   | 2,757     | 8,919  |  |  |
| Grand Total         | 772   | 9,290  | 3,819     | 13,881 | 794   | 10,088 | 3,551     | 14,433 | 822   | 10,850  | 3,700     | 15,372 |  |  |

MCC's Traditional total includes courses offered at Sarpy Center, Applied Technology Center, Washington County Center, Fremont Center,

Goodwill Industries, Pipal Park Community Center, First Data Resources, Cummins Central Power, Omaha Corrections Center, Offutt Air Force Base, Omaha Playhouse, YMCA Downtown, and Nebraska Correctional Youth Facility.





## TABLE II Estimate of the Number of Students Served by Nebraska Public Institutions by Distance Learning (duplicated headcount) 2015-2016

|                         | Synchronous |           |              |           |             |             |
|-------------------------|-------------|-----------|--------------|-----------|-------------|-------------|
| Institution/Sector      | Sending     | Receiving | Asynchronous | Sub-Total | Traditional | Grand Total |
| UNK                     | 76          | 8         | 15,045       | 15,129    | 9           | 15,138      |
| UNL                     | 0           | 0         | 25,625       | 25,625    | 796         | 26,421      |
| UNMC                    | 1,713       | 1,645     | 2,315        | 5,673     | 0           | 5,673       |
| UNO                     | 0           | 0         | 29,806       | 29,806    | 5,238       | 35,044      |
| NCTA                    | 0           | 0         | 768          | 768       | 0           | 768         |
| University Total        | 1,789       | 1,653     | 73,559       | 77,001    | 6,043       | 83,044      |
| CSC                     | 168         | 236       | 10,089       | 10,493    | 178         | 10,671      |
| PSC                     | 0           | 0         | 7,731        | 7,731     | 1,805       | 9,536       |
| WSC                     | 66          | 26        | 4,474        | 4,566     | 1,390       | 5,956       |
| State College Total     | 234         | 262       | 22,294       | 22,790    | 3,373       | 26,163      |
| CCC                     | 912         | 1,935     | 16,407       | 19,254    | 2,746       | 22,000      |
| MCC                     | 1,028       | 98        | 26,523       | 27,649    | 12,461      | 40,110      |
| MPCC                    | 980         | 907       | 3,691        | 5,578     | 727         | 6,305       |
| NECC                    | 1,301       | 810       | 5,639        | 7,750     | 5,342       | 13,092      |
| SCC                     | 0           | 160       | 17,135       | 17,295    | 2,226       | 19,521      |
| WNCC                    | 347         | 229       | 887          | 1,463     | 1,001       | 2,464       |
| Community College Total | 4,568       | 4,139     | 70,282       | 78,989    | 24,503      | 103,492     |
| Grand Totals            | 6,591       | 6,054     | 166,135      | 178,780   | 33,919      | 212,699     |

\*The location from which instruction originated (i.e., the location of the teacher) is called the sending site.

Receiving sites are the remote locations where students are participating in class by two-way audio-video.

# TABLE IIIAwards Available at Distance from Nebraska Public Institutions2014-2016

|                         |   | 2014-15                 |  |   | 2015-16                 |  |
|-------------------------|---|-------------------------|--|---|-------------------------|--|
| Institution             | Synchronous &<br>Asynchronous<br>Delivery | Traditional<br>Delivery | Combination of<br>Synchronous,<br>Asynchronous,<br>& Traditional | Synchronous &<br>Asynchronous<br>Delivery | Traditional<br>Delivery | Combination of<br>Synchronous,<br>Asynchronous,<br>& Traditional |
| UNK                     | 47  | 0                       | 1  | 50  | 0                       | 3  |
| UNL                     | 65  | 0                       | 0  | 66  | 0                       | 0  |
| UNMC                    | 9   | 0                       | 1  | 9   | 0                       | 1  |
| UNO                     | 31  | 20                      | 26   | 33  | 0                       | 0  |
| NCTA                    | 0   | 0                       | 0  | 0   | 0                       | 0  |
| University Total        | 152                                       | 20                      | 28   | 158                                       | 0                       | 4  |
| CSC                     | NR  | NR                      | NR   | NR  | NR                      | NR   |
| PSC                     | 11  | 0                       | 0  | 11  | 0                       | 0  |
| WSC                     | 4   | 5                       | 1  | 4   | 4                       | 2  |
| State College Total     | 15  | 5                       | 1  | 15  | 4                       | 2  |
| CCC                     | 8   | 0                       | 0  | 29  | 0                       | 0  |
| MCC                     | 26  | 0                       | 0  | 40  | 0                       | 0  |
| MPCC                    | 0   | 0                       | 0  | 0   | 0                       | 0  |
| NECC                    | 14  | 11                      | 18   | 15  | 11                      | 20   |
| SCC                     | 2   | 0                       | 10   | 8   | 0                       | 10   |
| WNCC                    | 1   | 0                       | 11   | 7   | 2                       | 7  |
| Community College Total | 51  | 11                      | 39   | 99  | 13                      | 37   |
| Grand Total             | 218                                       | 36                      | 68   | 272                                       | 17                      | 43   |

#### \*NR – Not Reported

### How are high school students served?

- The courses counted in this report are frequently offered for both high school and college credit and are usually called "dual enrollment" courses in Nebraska. Also included in this report are college courses offered in high schools for which students receive only college credit although they are still enrolled in high school. These are sometimes called "concurrent enrollment" courses.
- Students who live near a college campus or who elect to take an online course can also earn college credit. These students are not generally counted separately and are not reflected in the high school data presented here.
- In 2013-14 there were 1,990 college courses offered to 18,225 high school students (duplicated headcount). The number of courses and students increased modestly in 2014-15, then took a big jump in 2015-16 with 2,699 courses offered to 24,164 students (Table IV).
- The community college sector increased both the number of courses offered and the number of students served over the three years reported. Notably, CCC increased the number of students by 82% and MCC increased by 47%. The only decline recorded was in number of courses offered at WNCC, although the number of students increased.
- The state colleges had a slight increase in both the number of courses and the number of students with increases at all three institutions. The university sector had just the opposite: a slight decrease in number of students and a 16% decrease in courses.
- In past years, the largest number of courses and students was reported by UNO (Graph III). Much of UNO's
  success can be attributed to a partnership between UNO and the Omaha area high schools by which UNO faculty
  work with high school faculty so that Advanced Placement courses taught in high schools meet UNO requirements
  and can be accepted for college credit.
- For the first time, however, in 2015-16 UNO was surpassed by MCC for the largest number of students served (Graph IV). CCC also broke historic patterns, surpassing UNO for first place in number of courses offered (Graph III). This is not unusual since most high schools partner with community colleges for their dual enrollment courses. Graphs III and IV illustrate this pattern but also show large numbers at PSC. This is due to a long-standing and robust High School Early Entry program.

• In the 2002-03 Off-Campus and Distance Education Report, the Commission took an in-depth look at courses offered for high school students. September 2016 was the first time since then that a high school focus had been included. This year's report continues that focus.

# **Focus on High Schools**

#### How are courses and students distributed?

- In 2015-16 the community college sector offered over 71% of the courses available for high school students while the state colleges offered 8% and the university provided 21% (Table IV). This is a significant change from 2014-15 when the percentages were 59, 8, and 21, respectively.
- The percentage of students served (22% of all students) corresponded to the percentage of courses at the university (21%). This was not true in the other two sectors. The state colleges served 12% of students (with 8% of the courses) while the community colleges served 66% (with 71% of the courses).

## What method of delivery is favored?

The method of delivery varies significantly both by sector and by institution.

- While LB 1208 was to have been an incentive for the community colleges to offer synchronous courses, this is not
  particularly evident in the dual credit offerings (Figure I). With the exception of one course at UNK, the community
  college sector is the only one reporting synchronous delivery for dual credit. While five institutions utilize it, only 196
  courses were offered (10.2% of all dual credit). MCC provides dual credit solely via traditional methods, a situation
  not unexpected due to its small geographic service area and number of campuses and centers. Asynchronous
  delivery is used by four institutions for 242 courses.
- The state colleges offer dual credit courses almost entirely by traditional delivery, with the exception of 17 courses offered asynchronously by PSC (Figure II).
- Similarly, UNO offers all of their dual credit courses traditionally, but UNL and NCTA offer their dual credit entirely as asynchronous courses. UNK reported only one dual credit course, offered synchronously (Figure III).

## In what subject areas are courses offered?

Table V identifies the disciplines in which the courses were offered.

- Of special note is the tradition of the community colleges to report all of their academic transfer courses under Liberal Arts and Sciences (CIP 24), which therefore represents a wide range of courses. This tradition results in Liberal Arts and Sciences being the discipline with the most offered courses—all at the community colleges.
- However, liberal arts and sciences are also the kinds of courses offered by the four-year institutions. The most
  offered courses in the state college sector were in math, English language and literature, and social science at the
  university. It is logical that these courses would be popular for dual credit offerings. They are often courses that
  would fulfill general education requirements at both two-year and four-year institutions. They would also be courses
  most likely to be accepted in transfer from one institution to another.
- Beyond the liberal arts and sciences realm, the most frequently offered courses at the community colleges were in health professions, followed by precision production and business.
- The top five fields at the state colleges were all in arts and sciences. The only other courses were in business, information sciences, and education.
- At the university, the top five disciplines were also in arts and sciences, but the institutions also offered a significant number of courses in information sciences and agriculture.

## Do different institutions offer different types of courses?

When course offerings are broken down by institution, similar patterns emerge. Some patterns deserve special note.

- At the university, as expected, the agriculture courses were offered primarily by the Nebraska College of Technical Agriculture and UNL. After social science, the most-offered courses were in math, history, and English. (Table VI)
- The state colleges' most-offered courses were in math and English. (Table VII)
- Table VIII lists the courses in the CIP code category reported by the community colleges. MCC and CCC offered the widest variety of courses and NECC and WNCC the least. After arts and sciences, the colleges focused on the technical and career training that is primary in their role and mission. The largest number of courses was in precision production (163) offered at all but NECC and WNCC. That was followed by 123 courses in health professions offered at all but MPCC. Health professions enrolled the most students – 1,032. This may be reflective

of health profession career academies in many of the high schools in the institutions' service areas.

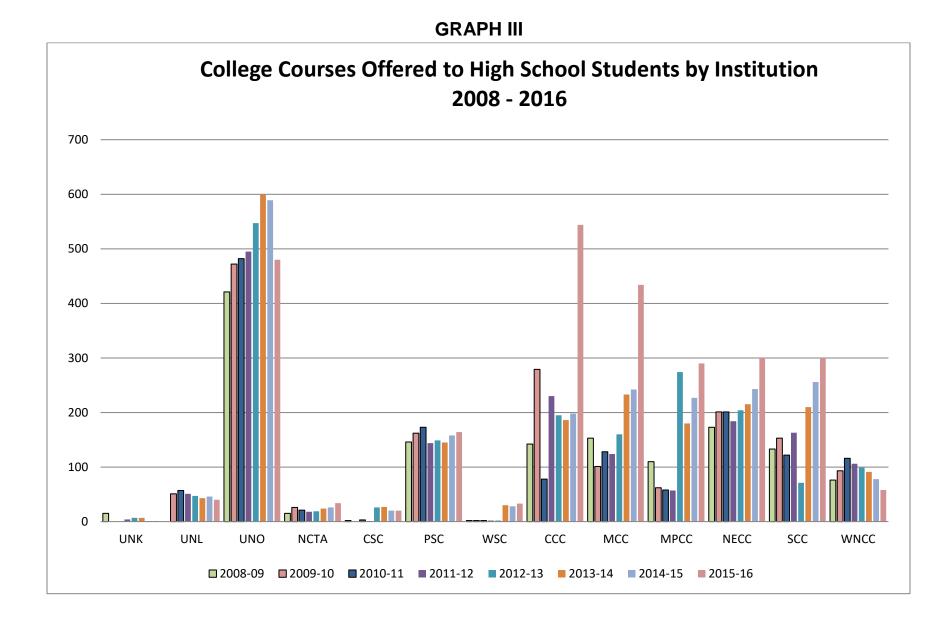
#### How accessible are college courses for high school students?

- Courses can be accessed from locations across the state. The map on page 26 shows the cities and towns\* reported as locations for traditional courses as well as those delivered synchronously. The institutions do not report locations for students taking courses asynchronously since they can access those courses from any place.
- The state is well-covered, especially when low population areas are taken into consideration. Table IX lists the locations reported by the institutions. There may more than one course in any given location. Northeast Community College offered courses in 49 different locations in its service area, the largest number reported. Mid-Plains had the second largest number with 37.

\*Within the limits of the map. Some locations, either due to small population or proximity to a larger community, are not shown.

# TABLE IV Summary of College Courses Offered to High School Students in Nebraska by Public Institution (duplicated headcount) 2013-2016

|                         | 2013-14   |            | 201       | 4-15       | 201       | 5-16       |
|-------------------------|-----------|------------|-----------|------------|-----------|------------|
| Institution             | # Courses | # Students | # Courses | # Students | # Courses | # Students |
| UNK                     | 7         | 73         | 1         | 0          | 1         | 5          |
| UNL                     | 43        | 174        | 46        | 197        | 40        | 158        |
| UNMC                    | 0         | 0          | 0         | 0          | 0         | 0          |
| UNO                     | 599       | 4,403      | 589       | 4,898      | 480       | 4,535      |
| NCTA                    | 24        | 139        | 26        | 225        | 34        | 589        |
| University Total        | 673       | 4,789      | 662       | 5,320      | 555       | 5,287      |
| CSC                     | 27        | 325        | 20        | 168        | 20        | 210        |
| PSC                     | 145       | 1,959      | 158       | 2,065      | 164       | 2,227      |
| WSC                     | 30        | 294        | 28        | 305        | 33        | 391        |
| State College Total     | 202       | 2,578      | 206       | 2,538      | 217       | 2,828      |
| ссс                     | 186       | 2,409      | 198       | 2,193      | 544       | 3,994      |
| MCC                     | 233       | 3,422      | 242       | 3,266      | 434       | 4,812      |
| MPCC                    | 180       | 970        | 227       | 1,283      | 290       | 1,837      |
| NECC                    | 215       | 1,586      | 243       | 1,742      | 301       | 1,847      |
| SCC                     | 210       | 1,920      | 256       | 2,486      | 300       | 2,839      |
| WNCC                    | 91        | 551        | 78        | 668        | 58        | 720        |
| Community College Total | 1,115     | 10,858     | 1,244     | 11,638     | 1,927     | 16,049     |
| Grand Total             | 1,990     | 18,225     | 2,112     | 19,496     | 2,699     | 24,164     |



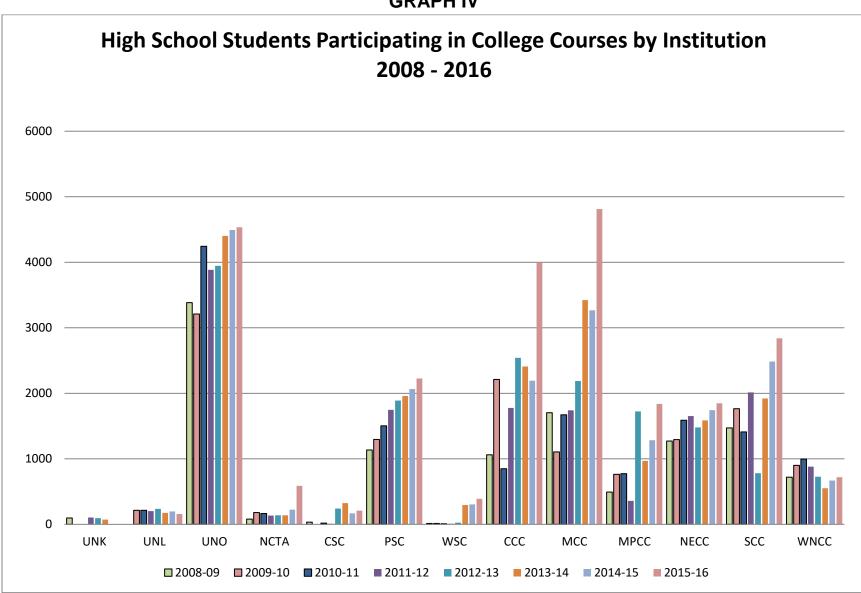
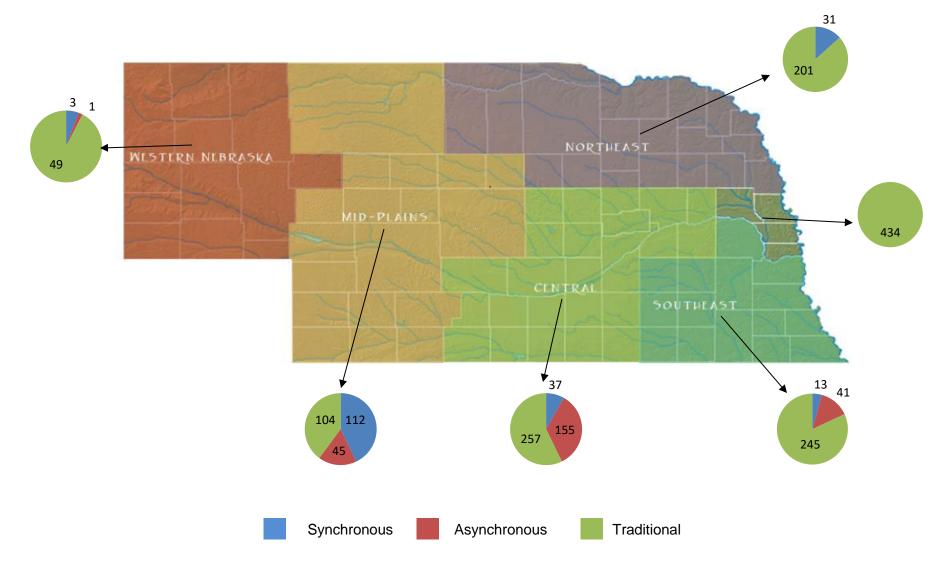


FIGURE I Courses Offered to High School Students by Delivery Methods of Community Colleges 2015-16



# FIGURE II Courses Offered to High School Students by Delivery Methods of State Colleges 2015-16

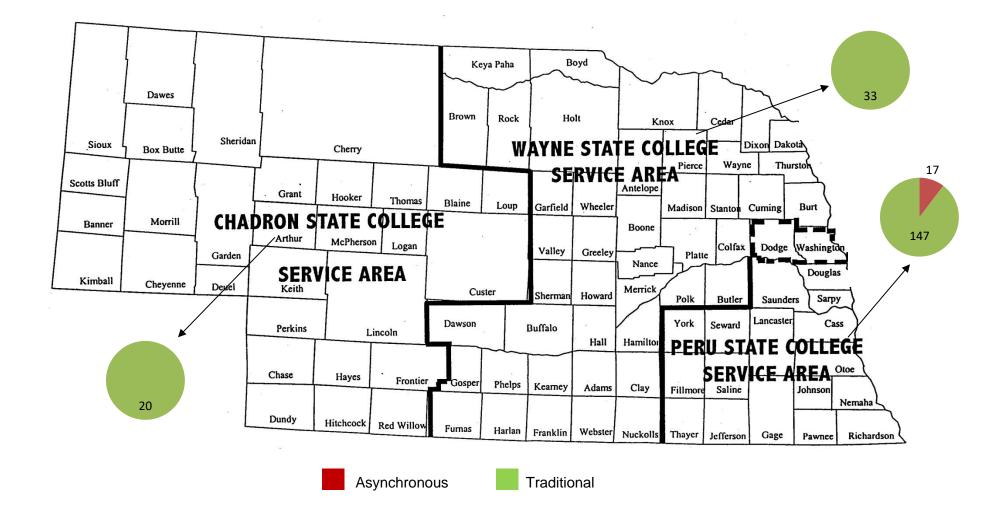
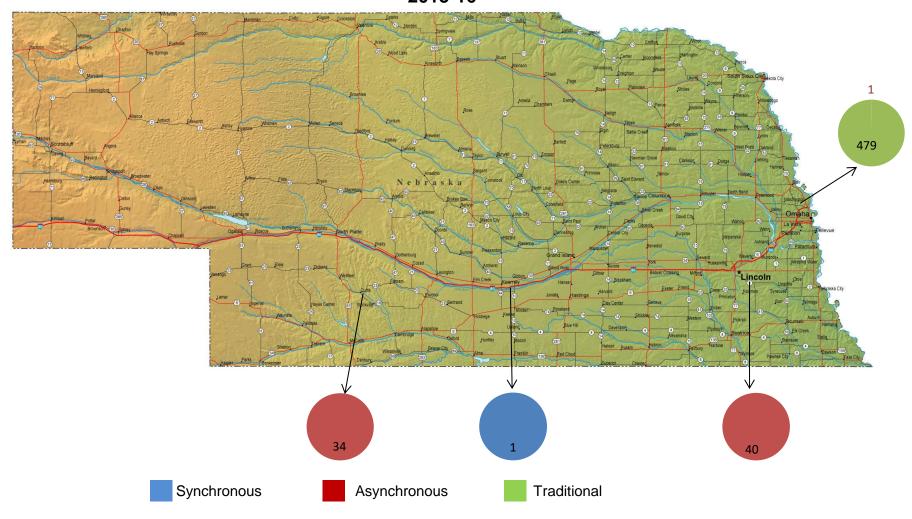


FIGURE III Courses Offered to High School Students by Delivery Methods of University of Nebraska 2015-16



## TABLE V

# High School Course Offerings by Discipline (CIP Code) and Sector 2015-16

| CIP  |                                 | Univers   | ity of NE  | State C   | Colleges   | Communi   | ty Colleges          | Total | Total    |
|------|---------------------------------|-----------|------------|-----------|------------|-----------|----------------------|-------|----------|
| Code |                                 | # Courses | # Students | # Courses | # Students | # Courses | # Courses # Students |       | Students |
| 1    | Agriculture                     | 40        | 606        |           |            | 20        | 143                  | 60    | 749      |
| 3    | Natural Resources               |           |            |           |            |           |                      | 0     | 0        |
| 5    | Ethnic/Cultural Studies         | 1         | 1          |           |            |           |                      | 1     | 1        |
| 9    | Communication                   |           |            | 1         | 10         |           |                      | 1     | 10       |
| 10   | Communications Technology       |           |            |           |            | 1         | 3                    | 1     | 3        |
| 11   | Information Sciences            | 45        | 357        | 1         | 3          | 47        | 385                  | 93    | 745      |
| 12   | Culinary                        |           |            |           |            | 7         | 86                   | 7     | 86       |
| 13   | Education                       | 14        | 83         | 5         | 26         |           |                      | 19    | 109      |
| 15   | Engineering Technology          |           |            |           |            | 49        | 329                  | 49    | 329      |
| 16   | Foreign Language                | 39        | 189        | 4         | 40         |           |                      | 43    | 229      |
| 19   | Family/Consumer Science         | 7         | 22         |           |            | 21        | 337                  | 28    | 359      |
| 22   | Legal Professions & Studies     |           |            |           |            | 1         | 1                    | 1     | 1        |
| 23   | English Language/Lit            | 53        | 683        | 55        | 874        |           |                      | 108   | 1,557    |
| 24   | Liberal Arts & Sciences         |           |            |           |            | 1,317     | 11,587               | 1,317 | 11,587   |
| 26   | Biology                         | 45        | 386        | 12        | 144        |           |                      | 57    | 530      |
| 27   | Math                            | 62        | 421        | 60        | 510        |           |                      | 122   | 931      |
| 30   | Multi Interdisciplinary Studies | 2         | 1          |           |            |           |                      | 2     | 1        |
| 31   | Parks/Leisure Studies           | 10        | 31         |           |            |           |                      | 10    | 31       |
| 32   | Basic Skills (non-credit)       |           |            |           |            | 16        | 68                   | 16    | 68       |
| 38   | Philosophy/Religion             | 7         | 54         |           |            |           |                      | 7     | 54       |
| 40   | Physical Science                | 38        | 325        | 10        | 133        |           |                      | 48    | 458      |
| 42   | Psychology                      | 26        | 326        | 19        | 390        |           |                      | 45    | 716      |
| 43   | Security/Protective Svcs        | 1         | 0          |           |            | 4         | 22                   | 5     | 22       |
| 45   | Social Science                  | 78        | 866        | 21        | 348        |           |                      | 99    | 1,214    |
| 46   | Construction                    |           |            |           |            | 13        | 101                  | 13    | 101      |
| 47   | Mechanic & Repair               |           |            |           |            | 49        | 553                  | 49    | 553      |
| 48   | Precision Production            |           |            |           |            | 163       | 702                  | 163   | 702      |
| 49   | Transportation                  | 4         | 18         |           |            |           |                      | 4     | 18       |
| 50   | Arts                            | 16        | 47         | 2         | 25         | 10        | 68                   | 28    | 140      |
| 51   | Health Professions              |           |            |           |            | 123       | 1,032                | 123   | 1,032    |
| 52   | Business                        | 14        | 133        | 13        | 119        | 85        | 632                  | 112   | 884      |
| 54   | History                         | 53        | 738        | 14        | 206        |           |                      | 67    | 944      |

Shaded areas indicate largest number of courses and enrollment

#### TABLE VI High School Course Offerings by Discipline (CIP Code) and Institution within the University of Nebraska 2015-16

|                                      | ι       | Jniversity | of Nebras | ska      |         |          |         |          |
|--------------------------------------|---------|------------|-----------|----------|---------|----------|---------|----------|
|                                      | U       | NK         | U         | NL       | U       | NO       | NC      | TA       |
| CIP Code                             | Courses | Students   | Courses   | Students | Courses | Students | Courses | Students |
| 1 - Agriculture                      |         |            | 6         | 17       |         |          | 34      | 589      |
| 5 - Ethnic/Cultural Studies          |         |            | 1         | 1        |         |          |         |          |
| 11 - Information Sciences            |         |            | 2         | 18       | 43      | 339      |         |          |
| 13 - Education                       |         |            |           |          | 14      | 83       |         |          |
| 16 - Foreign Language                |         |            |           |          | 39      | 189      |         |          |
| 19 - Family/Consumer Science         |         |            | 7         | 22       |         |          |         |          |
| 23 - English Language/Lit            |         |            |           |          | 53      | 683      |         |          |
| 26 - Biology                         |         |            | 2         | 5        | 43      | 381      |         |          |
| 27 - Math                            | 1       | 5          |           |          | 61      | 416      |         |          |
| 30 – Multi Interdisciplinary Studies |         |            | 1         | 1        | 1       | 0        |         |          |
| 31 - Parks/Leisure Studies           |         |            |           |          | 10      | 31       |         |          |
| 38 - Philosophy/Religion             |         |            |           |          | 7       | 54       |         |          |
| 40 - Physical Science                |         |            | 1         | 1        | 37      | 324      |         |          |
| 42 - Psychology                      |         |            | 2         | 34       | 24      | 292      |         |          |
| 43 – Security/Protective Services    |         |            |           |          | 1       | 0        |         |          |
| 45 - Social Science                  |         |            | 12        | 37       | 66      | 829      |         |          |
| 49 - Transportation                  |         |            |           |          | 4       | 18       |         |          |
| 50 - Arts                            |         |            | 2         | 2        | 14      | 45       |         |          |
| 52 - Business                        |         |            | 1         | 1        | 13      | 132      |         |          |
| 54 - History                         |         |            | 3         | 19       | 50      | 719      |         |          |

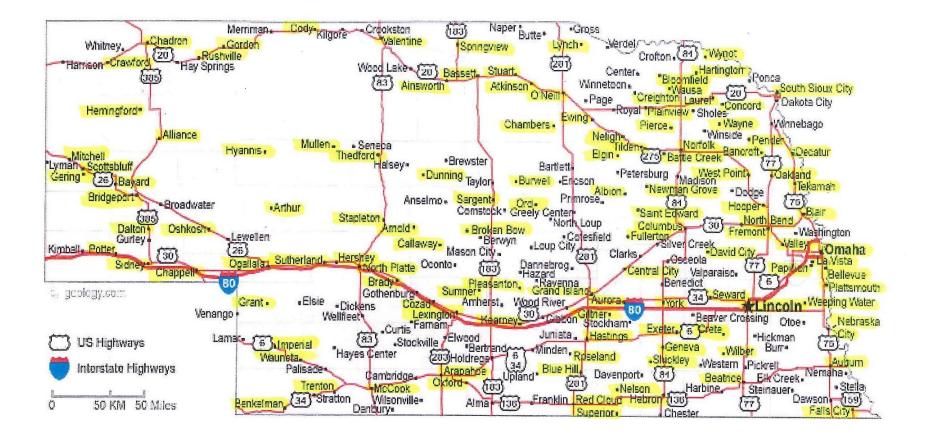
# TABLE VII High School Course Offerings by Discipline (CIP Code) and Institution within the State College Sector 2015-16

|                           | Nebraska St | ate Colleg | ges     |          |         |          |
|---------------------------|-------------|------------|---------|----------|---------|----------|
|                           | C           | SC         | SC      | W        | SC      |          |
| CIP Code                  | Courses     | Students   | Courses | Students | Courses | Students |
| 9 – Communication         |             |            |         |          | 1       | 10       |
| 11 – Information Sciences |             |            | 1       | 3        |         |          |
| 13 - Education            |             |            | 5       | 26       |         |          |
| 16 - Foreign Language     |             |            | 2       | 14       | 2       | 26       |
| 23 - English Language/Lit |             |            | 47      | 756      | 8       | 118      |
| 26 - Biology              |             |            | 12      | 144      |         |          |
| 27 - Math                 | 11          | 105        | 42      | 336      | 7       | 69       |
| 40 - Physical Science     |             |            | 8       | 112      | 2       | 21       |
| 42 - Psychology           |             |            | 17      | 370      | 2       | 20       |
| 45 - Social Science       |             |            | 16      | 293      | 5       | 55       |
| 50 - Arts                 |             |            |         |          | 2       | 25       |
| 52 - Business             | 7           | 85         | 5       | 24       | 1       | 10       |
| 54 - History              | 2           | 20         | 9       | 149      | 3       | 37       |

## TABLE VIII High School Course Offerings by Discipline (CIP Code) and Institution within the Community College Sector 2015-16

|                                | Nebraska Community Colleges |      |     |      |      |      |      |      |     |      |      |     |  |  |
|--------------------------------|-----------------------------|------|-----|------|------|------|------|------|-----|------|------|-----|--|--|
|                                | C                           | CC   | Μ   | CC   | MPCC |      | NECC |      | SCC |      | WNCC |     |  |  |
| CIP Code                       | Crs                         | Stu  | Crs | Stu  | Crs  | Stu  | Crs  | Stu  | Crs | Stu  | Crs  | Stu |  |  |
| 1 - Agriculture                | 7                           | 25   | 2   | 53   | 3    | 8    | 3    | 19   | 5   | 38   |      |     |  |  |
| 10 – Communications Tech       |                             |      | 1   | 3    |      |      |      |      |     |      |      |     |  |  |
| 11 - Information Sciences      | 10                          | 34   | 27  | 279  | 3    | 8    | 1    | 3    | 5   | 55   | 1    | 6   |  |  |
| 12 - Culinary                  |                             |      | 4   | 28   |      |      |      |      | 3   | 58   |      |     |  |  |
| 15 - Engineering Technology    | 26                          | 146  | 15  | 122  | 2    | 14   | 3    | 14   | 1   | 11   | 2    | 22  |  |  |
| 19 - Family/Consumer Science   | 4                           | 4    | 12  | 276  |      |      |      |      | 5   | 57   |      |     |  |  |
| 22 – Legal Prof. & Studies     | 1                           | 1    |     |      |      |      |      |      |     |      |      |     |  |  |
| 24 - Liberal Arts & Sciences   | 353                         | 2904 | 239 | 2961 | 246  | 1623 | 257  | 1672 | 176 | 1864 | 46   | 563 |  |  |
| 32 - Basic Skills (non-credit) | 6                           | 6    | 5   | 42   | 1    | 7    | 2    | 2    |     |      | 2    | 11  |  |  |
| 43 - Security/Protective Svc   | 3                           | 6    | 1   | 16   |      |      |      |      |     |      |      |     |  |  |
| 46 - Construction              | 10                          | 60   |     | 1    | 1    |      |      |      |     |      | 2    | 40  |  |  |
| 47 - Mechanic & Repair         | 33                          | 359  | 13  | 186  | 2    | 7    |      |      | 1   | 1    |      |     |  |  |
| 48 - Precision Production      | 48                          | 193  | 53  | 177  | 13   | 58   |      |      | 49  | 274  |      |     |  |  |
| 50 - Arts                      | 2                           | 16   | 6   | 45   | 2    | 7    |      |      |     |      |      |     |  |  |
| 51 - Health Professions        | 29                          | 219  | 29  | 374  |      |      | 27   | 112  | 35  | 286  | 3    | 41  |  |  |
| 52 - Business                  | 12                          | 21   | 27  | 250  | 17   | 104  | 8    | 25   | 19  | 195  | 2    | 37  |  |  |

FIGURE IV Locations of Traditional and Synchronous Courses Delivered to High School Students 2015-16



# TABLE IX High School Course Locations by Institution 2015-16

#### **Central Community College**

- 1. Albion/Boone Central Public
- 2. Aurora Public Schools
- 3. Blue Hill Public Schools
- 4. Central City Public Schools
- 5. Columbus/Lakeview High School
- 6. Columbus/Scotus High School
- 7. Columbus Public Schools
- 8. Cozad High School
- 9. David City Public Schools
- 10. Fairfield/Sandy Creek School
- 11. Fullerton Public Schools
- 12. Genoa/Twin River High School
- 13. Grand Island Central Catholic
- 14. Grand Island Public Schools (2)
- 15. Hartington Cedar Catholic
- 16. Hastings/Adams Central School
- 17. Hastings Public Schools
- 18. Humphrey/St. Francis Central HS
- 19. Kearney Public Schools
- 20. Leigh Public Schools
- 21. Lexington/Plum Creek Carecenter
- 22. Lexington Public Schools
- 23. Nelson High School
- 24. Ord Community Education Center
- 25. Ord Public Schools
- 26. Overton Public Schools
- 27. Oxford/Southern Valley High School
- 28. Roseland/Silver Lake High School
- 29. Schuyler High School

- 30. Shelby-Rising City High School
- 31. Superior Public Schools

#### **Chadron State College**

- 1. Chadron
- 2. Gordon/Rushville
- 3. Hemingford
- 4. Sandhills (Dunning)
- 5. Scottsbluff
- 6. Sidney

#### Metropolitan Community College

- 1. Applied Technology Center (Omaha)
- 2. Arlington High School
- 3. Bellevue East High School
- 4. Bellevue University
- 5. Blair High School
- 6. Creighton University
- 7. Cummins Central Power (Omaha)
- 8. Douglas County West HS (Valley)
- 9. First Data Resources (Omaha)
- 10. Fort Calhoun High School
- 11. Fremont Area Center
- 12. Fremont High School
- 13. Goodwill Industries (Omaha)
- 14. Gretna High School
- 15. Learning Community Center (North Omaha Building)
- 16. Logan View Jr/Sr High (Hooper)
- 17. MCC Express (Omaha)

- 18. Millard Public Schools (3) (Omaha metro area)
- 19. Munroe-Meyer Institute (Omaha)
- 20. Nebraska Correctional Youth Facility (Omaha)
- 21. Offutt Air Force Base (Bellevue)
- 22. Omaha Corrections Center
- 23. Omaha Playhouse
- 24. Omaha Public Schools (8)
- 25. Papillion-Lavista Public (2)
- 26. Pipal Park Community Ctr (Omaha)
- 27. Platteview High School (Springfield)
- 28. Roncalli Catholic HS (Omaha)
- 29. Rose Theater (Omaha)
- 30. Sarpy Center
- 31. Scribner High School
- 32. Technical Advancement Center (Omaha)
- 33. Washington County Center
- 34. Westside High School (Omaha)
- 35. YMCA Downtown

#### Mid-Plains Community College

- 1. Arapahoe
- 2. Arcadia
- 3. Arnold
- 4. Arthur
- 5. Bartley
- 6. Benkleman
- 7. Brady

- 8. Broken Bow
- 9. Callaway
- 10. Cody
- 11. Dunning
- 12. Eustis
- 13. Grant
- 14. Hershey
- 15. Hyannis
- 16. Imperial
- 17. Julesburg, CO High School
- 18. Maxwell
- 19. Maywood
- 20. McCook
- 21. Merna
- 22. Mullen
- 23. North Platte
- 24. Ogallala
- 25. Paxton
- 26. Red Cloud
- 27. Sargent
- 28. Stapleton
- 29. Sumner
- 30. Sutherland
- 31. Thedford
- 32. Trenton
- 33. Tryon
- 34. Valentine
- 35. Wallace
- 36. Wauneta
- 37. Wood River

#### **NE College of Technical Agriculture**

Coordinating Commission for Postsecondary Education, 2017

1. All Asynchronous courses

#### Northeast Community College

- 1. Ainsworth High School
- 2. Bancroft Rosalie High School
- 3. Battle Creek High School
- 4. Bloomfield Jr Sr High School
- 5. Burwell Jr Sr High School
- 6. Chambers High School
- 7. Creighton Community School
- 8. Elgin High School
- 9. Elkhorn Valley High School (Tilden)
- 10. Emerson Hubbard High School
- 11. Ewing High School
- 12. Giltner High School
- 13. Guardian Angels CC (West Point)
- 14. Hartington Cedar Catholic High
- 15. Homer High School
- 16. Keya Paha County HS (Springview)
- 17. Laurel Concord Coleridge High School
- 18. Lexington Public Schools
- 19. Logan View Jr /Sr High (Hooper)
- 20. Lutheran High Northeast (Norfolk)
- 21. Lynch High School
- 22. Lyons Decatur High School
- 23. Neligh Oakdale High School
- 24. Newman Grove High School
- 25. Niobrara Public School
- 26. Norfolk Catholic High School
- 27. Norfolk Public Schools
- 28. North Bend Central High School
- 29. Oakland Craig Senior High
- 30. O'Neill High School
- 31. Pender High School
- 32. Pierce Jr Sr High School
- 33. Plainview High School
- 34. Pope John XXIII High School (Elgin)

- 35. Rock County High School (Bassett)
- 36. Saint Mary's High School (O'Neill)
- 37. South Sioux City College Center
- 38. South Sioux City High School
- 39. Stanton High School
- 40. Stuart High School
- 41. Tekamah Herman High School
- 42. Wakefield High School
- 43. Wausa High School
- 44. Wayne High School
- 45. West Boyd High School (Spencer)
- 46. West Holt High School (Atkinson)
- 47. West Point Beemer High School
- 48. Wisner Pilger High School
- 49. Wynot High School

#### Peru State College

- 1. Auburn
- 2. Beatrice ESU#5
- 3. Bennington HS
- 4. Centennial High School (Utica)
- 5. Crete High School
- 6. Diller-Odell High School
- 7. Elkhorn Public Schools (2)
- 8. Exeter Milligan
- 9. Fairbury High School
- 10. Falls City
- 11. Fillmore Central High School (Geneva)

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- 12. Ft. Calhoun
- 13. Humboldt
- 14. Johnson-Brock H.S.
- 15. Nebr City Lourdes Central HS
- 16. Nebraska City

18. North Bend

17. Norris High School (Firth)

- 19. Pawnee City
- 20. Ralston High School
- 21. Shickley
- 22. Syracuse High School
- 23. Tecumseh
- 24. Tri County Public Schools (Dewitt)
- 25. York

#### Southeast Community College

- 1. Ashland-Greenwood
- 2. Beatrice
- 3. Bryan Community (Lincoln)
- 4. Cedar Bluffs
- 5. Crete
- 6. Dorchester
- 7. Elmwood Murdock
- 8. Fairbury
- 9. Falls City
- 10. Fillmore Central (Geneva)
- 11. Freeman
- 12. Friend
- 13. Heartland (Henderson)
- 14. Johnson-Brock
- 15. Lincoln Christian
- 16. Lincoln Public Schools (6)
- 17. Mead
- 18. Milford
- 19. Nebraska City
- 20. Norris (Firth)
- 21. Palmyra-Bennett
- 22. Plattsmouth
- 23. Raymond Central
- 24. Schickley
- 25. Seward
- 26. Syracuse-Avoca-Dunbar

- 27. Thayer Central (Hebron)
- 28. Wahoo
- 29. Waverly
- 30. Weeping Water
- 31. Wilber-Clatonia
- 32. York
- 33. Yutan

#### University of Nebraska at Kearney

1. Pleasanton

#### University of Nebraska-Lincoln

1. All Asynchronous Courses

#### University of Nebraska at Omaha

- 1. Bellevue Public Schools (2)
- 2. Blair High School
- 3. Brownell-Talbot HS (Omaha)
- 4. Concordia High School (Omaha)
- 5. Crete High School
- 6. DC West High School (Valley)
- 7. Elkhorn Public Schools (2)
- 8. Lincoln East High School
- 9. McCook High School
- 10. Millard Public Schools (4) (Omaha metro area)
- 11. Omaha Archdiocese Schools (5)
- 12. Omaha Public Schools (7)
- 13. Papillion-LaVista Public (2)
- 14. Platteview High School (Springfield)
- 15. Plattsmouth High School
- 16. Ralston High School
- 17. Raymond Central High School
- 18. Univ of Nebraska High School
- 19. Westside High School (Omaha)

#### Western Nebraska Community College

- 1. Alliance HS
- 2. Bayard
- 3. Bridgeport
- 4. Chadron
- 5. Chappell
- 6. Crawford
- 7. Dalton
- 8. Elba
- 9. Gering
- 10. Gordon
- 11. Harrisburg
- 12. Mitchell
- 13. Morrill
- 14. Oshkosh
- 15. Potter
- 16. Scottsbluff

#### Wayne State College

- 1. Aurora
- 2. Cross Co. HS (Stromsburg)
- 3. David City
- 4. Fullerton
- 5. Harvard
- 6. Oakland-Craig High School
- 7. Osmond
- 8. Riverside High School (Cedar Rapids)
- 9. Sandy Creek (Fairfield)
- 10. Schuyler
- 11. St. Edward
- 12. Superior
- 13. Wayne Public Schools