

# Career Education and Student Grades

## Memo

To: Nebraska Perkins Contacts  
From: Matt Hastings  
CC: Career Education Staff  
Date: 5/2/2012  
Re: Identifying CTE Concentrators and CTE Programs of Study

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*Nebraska Career Education (NCE) is nearing the end of a multi-year process aimed at eliminating, revising, and creating new CTE courses and course-base standards. These new courses and course-based standards have been/are being used to update and/or develop revised State Model Programs of Study (POS) for all six (6) career fields with the goal of more closely aligning CTE course content to industry expectations. This process has important implications at the district-level for federal Perkins accountability, including the identification and submission of CTE participation information (i.e. CTE Concentrators and Participants) as well as the recognition of state approved CTE Programs of Study offered by school districts. The following paragraphs provide essential details concerning this process.*

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# Purpose

- With the recent implementation of the NSSRS Student Grades Template, the Nebraska Department of Education is now collecting sufficient student-level information to soon allow for the calculation of nearly all federal Perkins accountability measures “in-house”.



# Benefits

- Decrease the **reporting burden** on school districts
- Provide for **increased reliability** in Perkins accountability data
- Harness the power of a student-level records system to automate state and federal reports



# Responsibility

- In some ways, this shift magnifies the responsibility placed on school districts to accurately submit Student Grades data via the NSSRS
  - The quality of student-level data will have a direct impact on programmatic decisions, federal and state accountability reports, and, ultimately, funding



# Facts

- CTE Concentrators/Participant Identification
  - Currently, school district report via the Program Facts Template of the NSSRS Career Education participation status **directly**
  - For every CTE student, using the Programs Code and Participation Info Code, the district would identify the appropriate career cluster and participation threshold
  - Current standard – *relaxed standard* – complete 3 courses within any one CTE cluster area (9-12)
    - In effect through 2015-2016 school year



# Facts

Code	Description
CE0001	Career Education Participant
CE0002	Career Education Participant with Postsecondary
CE0003	Career Education Concentrator
CE0004	Career Education Concentrator with Postsecondary

**NOTES:**

Only one Participation Info Code [Programs Fact: Participation Info Code (18)] value is required for each Career Education Programs Code [Programs Fact: Programs Code (5)].

CE0002 (Career Education with Postsecondary), CE0003 (Career Education Concentrator), and CE0004 (Career Education Concentrator with Postsecondary) all imply the student is also a Career Education Participant.

CE0004 (Career Education Concentrator with Postsecondary) implies the student is also a Career Education Concentrator.

Multiple Programs Fact records are submitted for a Career Education student only when multiple Programs Code [Programs Fact: Programs Code (5)] are applicable, in which case the Participation Info Code [Programs Fact: Participation Info Code (18)] corresponding to each record may be different.



# Facts

- With the advent of the Student Grades Template of the NSSRS Career Education participation status can be **extracted** and calculated in-house
  - Upon completion of the 2016-2017 academic year, CTE concentrators will be identified using the revised state model POS course sequences developed by NCE
  - Students beginning grade 9 in the 2013-2014 school year will be the first cohort of CTE students subject to new standard
    - Best resource for identifying POS course sequences, course standards, and NDE course codes
    - <http://cestandards.education.ne.gov/>



# Facts

- In some ways, this represents a new standard for a student to meet the CTE Concentration status
  - A more *rigorous* standard
  - Students completing the a State Model Program of Study course sequence will be considered a CTE Concentrator
    - Not just any 3 CTE courses within a Career Cluster
  - This information will be extracted from NSSRS using Student Grades templates submitted over the course of 9-12 career
  - In effect for NSSRS reporting for 2016-2017 school year (\*implications for 2013-2014)



# Facts

- Program of Study Identification
  - Effective immediately, identification of district-offered State Model POS will be extracted “in-house” from NSSRS using both the *initial* and *revised* POS course sequences
    - 2012-2013 POS reports will use both sequences
    - Beginning in 2013-2014, only the revised POS sequences will be used to extract district POS offerings
  - District-offered POS identified using NSSRS Student Grades template information
    - Course codes submitted by districts at student-level

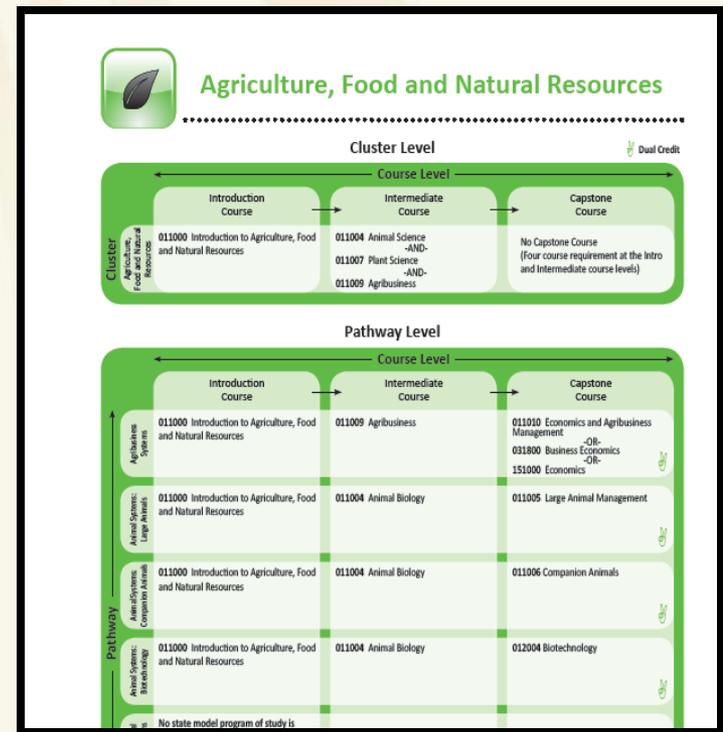


# POS Course Sequences

Initial (Old) – April 2010

Revised (New) – Fall 2012

Recommended for Pathway Level Program of Study						
<ul style="list-style-type: none"> <li>All courses are one semester in length unless otherwise noted. Schools with block scheduling should convert accordingly.</li> <li>Course numbers listed are from Appendix D, NDE Curriculum Report.</li> <li>The check boxes are provided for your use in identifying the programs of study your school has in place.</li> </ul>						
Agribusiness Systems Pathway	Animal Systems Pathway	Environmental Service Systems Pathway	Food Products & Processing Systems Pathway	Natural Resources Systems Pathway	Plant Systems Pathway	Power, Structural and Technical Systems Pathway
<input type="checkbox"/> Pathway level program of study offered 011000 Introduction to Environmental and Ag Sciences 011009 Agribusiness  Plus two from the following course list: 011010 Adv Agribusiness 032600 Entrepreneurship 011011 Agricultural Sales 017000 Leadership & Human Relations	<input type="checkbox"/> Pathway level program of study 011000 Introduction to Environmental and Ag Sciences 011004 Animal Science  Plus two from the following course list: 011005 Adv. Animal Science 011006 Companion Animals 011014 Equine Science 011015 Veterinary Science 011016 Biotechnology in Animal Science	<b>No state model program of study is available at the pathway level.</b>	<input type="checkbox"/> Pathway level program of study 011000 Introduction to Environmental and Ag Sciences 014000 Food Science  Plus two from the following course list: 014001 Adv Food Science 014002 Biotechnology in Food Products and Processing	<input type="checkbox"/> Pathway level program of study 011000 Introduction to Environmental and Ag Sciences 013000 Natural Resources 013001 Wildlife Mgmt	<input type="checkbox"/> Pathway level program of study 011000 Introduction to Environmental and Ag Sciences 011007 Plant Science  Plus two from the following course list: 011008 Adv Plant Science 012002 Floriculture 012003 Horticulture 012001 Nursery Mgmt 012004 Biotechnology in Plant Science 012003 Turf Management	<input type="checkbox"/> Pathway level program of study 011000 Introduction to Environmental and Ag Sciences 016000 Power, Structural, and Technical Systems  Plus two from the following course list: 016003 Adv. Power, Structural, and Technical Systems 016004 Agricultural Mechanics and Technology 101930 Welding 101940 Adv Welding 016005 Metal Fabrication 016002 Structural Fabrication 100165 Biotechnical Engineering
National Model Programs of Study						
This option provides an automatic approval for nationally recognized programs of study. To qualify the national program must be implemented as designed by the national curriculum and have a sequence of a minimum of four semesters.						



# POS Course Sequences

- Initial (old) POS course sequences:
  - <http://www.education.ne.gov/nce/Accountability/Secondary/PDFs/StateModelPOSGuide.pdf>
- Revised (new) POS course sequences:
  - <http://cestandards.education.ne.gov/>



# Thank you for your time.

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Resources from this presentation can be found at

<http://www.education.ne.gov/nce/Accountability/Secondary/PDFs/POSMemo.pdf>

<http://www.education.ne.gov/nce/Accountability/Secondary/PDFs/StateModelPOSGuide.pdf>

<http://cestandards.education.ne.gov/>



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