



**NEBRASKA CAREER EDUCATION**

*Programs of Study*

**2016-2017**



# CAREER EDUCATION STANDARDS WEBSITE

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

Nebraska career education standards have been revised to better prepare students for their careers and to help students better meet the needs of employers. The Nebraska Department of Education in cooperation with business and industry as well as Nebraska postsecondary institutions revised the course standards for Career Technical Education (CTE) courses offered in the state's public schools.

The CTE course standards were also aligned with the Nebraska's academic standards (reading, writing, mathematics and science) and the Nebraska Career Readiness Standards. The new career education course standards are available at <http://cestandards.education.ne.gov>.

A recent update to the [Career Education Standards website](#) reflects the sequence of career and technical education courses that form the State-Approved Programs of Study. Programs of Study for previous years have been archived by school year.



The model standards will help school districts organize curriculum into sequences for courses in each of the following career fields:

- Agriculture, Food and Natural Resources
- Business, Marketing and Management
- Communication and Information Systems
- Health Sciences
- Human Sciences and Education
- Skilled and Technical Sciences

The revised standards also were aligned to courses offered in the state's two- and four-year colleges to

create a more seamless education experience for students. Students begin with high school introductory courses that teach broad concepts and skills, progressing to college courses that offer more specific information and develop higher skill levels. Some Nebraska students will have an opportunity to earn college credits while in high school.

Career education courses provide an opportunity for students to gain the knowledge and skills they need for employment and entrepreneurship. The standards define what students should know and be able to do to enter college or their chosen career.





# NEBRASKA CAREER EDUCATION R • E • S • O • U • R • C • E • S



Teaching and Learning Team

[www.education.ne.gov/TL/index.html](http://www.education.ne.gov/TL/index.html)



Career Readiness Modules

[nelearn.mylearning.org](http://nelearn.mylearning.org)

Developing a Local Advisory Committee

[www.education.ne.gov/NCE/documents/Advisorybrochure.pdf](http://www.education.ne.gov/NCE/documents/Advisorybrochure.pdf)

H3 Website

(High Wage, High Demand, High Skill)

[h3.ne.gov](http://h3.ne.gov)

Middle School Curriculum for Careers: Engage!

[www.education.ne.gov/CARED/Engage.html](http://www.education.ne.gov/CARED/Engage.html)

Nebraska Career Connections

[www.nebraskacareerconnections.org](http://www.nebraskacareerconnections.org)

Nebraska Career Education

[www.education.ne.gov/nce](http://www.education.ne.gov/nce)

Nebraska Career Tours

[necareertours.com](http://necareertours.com)

Nebraska Career Education Model

[www.education.ne.gov/nce/CareerClustersResources.html](http://www.education.ne.gov/nce/CareerClustersResources.html)

Nebraska Career Education Programs of Study

[www.education.ne.gov/nce/ProgramsofStudy.html](http://www.education.ne.gov/nce/ProgramsofStudy.html)

Nebraska Career Education Standards Website

[cestandards.education.ne.gov](http://cestandards.education.ne.gov)

Nebraska Career Technical Student Organizations (CTSOs)

[www.education.ne.gov/nce/CSOs.html](http://www.education.ne.gov/nce/CSOs.html)

Nebraska Department of Economic Development

[www.neded.org](http://www.neded.org)

Nebraska Department of Education Content Area Standards

[www.education.ne.gov/AcademicStandards/index.html](http://www.education.ne.gov/AcademicStandards/index.html)

Nebraska Department of Labor

[dol.nebraska.gov](http://dol.nebraska.gov)

Nebraska Entrepreneurship Education

[www.education.ne.gov/entreped](http://www.education.ne.gov/entreped)

Nebraska School Counseling

[www.education.ne.gov/CARED/index.html](http://www.education.ne.gov/CARED/index.html)

Nebraska Standards for Career Ready Practice

[www.education.ne.gov/nce/Standards.html](http://www.education.ne.gov/nce/Standards.html)

Nebraska Work-Based Learning

[www.education.ne.gov/wbl](http://www.education.ne.gov/wbl)

Partnerships for Innovation

[partnershipsforinnovation.org](http://partnershipsforinnovation.org)

Professional Development Modules

[nelearn.mylearning.org](http://nelearn.mylearning.org)

reVISION

[www.education.ne.gov/nce/revision.html](http://www.education.ne.gov/nce/revision.html)

State of the Schools Report

[reportcard.education.ne.gov](http://reportcard.education.ne.gov)

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## 2016-2017 Nebraska Career Education Programs of Study

Agriculture, Food, and Natural Resources Career Field

Agriculture, Food, and Natural Resources Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Agriculture, Food, and Natural Resources: Life Science &amp; Business</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -AND- 011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND- 011009 Agribusiness	
<b>CASE: Curriculum for Ag Science Ed Certified</b>	018060 CASE Introduction to AFNR	018061 CASE Plant Science -OR- 018062 CASE Animal Science	018063 CASE Animal And Plant Biotechnology
<b>Agriculture, Food, and Natural Resources: Life Science &amp; Food</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -AND- 011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND- 014000 Food Science -OR- 018080 FNS Food Production, Nutrition, and Health	

<p><b>Agriculture, Food, and Natural Resources: Life Science &amp; Natural Resources</b></p>	<p>011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR</p>	<p>011004 Animal Biology -OR- 018062 CASE Animal Science -AND-  011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND-  013000 Natural Resources</p>	
<p><b>Agriculture, Food, and Natural Resources: Life Science &amp; Environment</b></p>	<p>011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR</p>	<p>011004 Animal Biology -OR- 018062 CASE Animal Science -AND-  011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND-  018049 Environmental Science</p>	
<p><b>Agriculture, Food, and Natural Resources: Life Science &amp; Power</b></p>	<p>011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR</p>	<p>011004 Animal Biology -OR- 018062 CASE Animal Science -AND-  011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND-  016000 Power, Structure, and Technical Systems Fundamentals</p>	

<b>Agriculture, Food, and Natural Resources: Life Science &amp; Metals</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -AND- 011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -AND- 016004 Welding (AG)	
<b>Agriculture, Food, and Natural Resources: Life Science &amp; Sales</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -AND- 011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science	011011 Agricultural Sales and Entrepreneurship

**Pathway Level Program of Study (POS)**

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Agribusiness Systems: Economics and Management</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011009 Agribusiness	011010 Economics & Agribusiness Management
<b>Agribusiness Systems: Agricultural Sales &amp; Entrepreneurship</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011009 Agribusiness	011011 Agricultural Sales and Entrepreneurship
<b>Agribusiness Systems: Leadership</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011009 Agribusiness	017000 Leadership and Ethics in Agriculture
<b>Animal Systems: Companion Animal</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -OR- 011003 Agricultural Biology 	011006 Companion Animals

<b>Animal Systems: Large Animal</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -OR- 011003 Agricultural Biology 	011005 Large Animal Management
<b>Animal Systems: Veterinary</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -OR- 011003 Agricultural Biology 	011015 Veterinary Science
<b>Animal Systems: Equine</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -OR- 011003 Agricultural Biology 	011014 Equine Science
<b>Animal Systems: Biotechnology</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011004 Animal Biology -OR- 018062 CASE Animal Science -OR- 011003 Agricultural Biology 	012004 Biotechnology -OR- 018063 CASE Animal And Plant Biotechnology
<b>Plant Systems: Biotech</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	012004 Biotechnology -OR- 018063 CASE Animal And Plant Biotechnology
<b>Plant Systems: Agronomy</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	011008 Agronomic Science
<b>Plant Systems: Plant Biology</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	011016 Plant Biology

<b>Plant Systems: Nursery and Landscape</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	012001 Nursery and Landscape
<b>Plant Systems: Floriculture</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	012002 Floriculture
<b>Plant Systems: Turf</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	011007 Plant Science/Horticulture -OR- 018061 CASE Plant Science -OR- 011003 Agricultural Biology 	012003 Turf Management
<b>Food Systems: Food &amp; Nutritional Science</b>	090107 Human Food, Nutrition and Wellness -OR- 011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	014000 Food Science -OR- 018080 FNS Food Production, Nutrition, and Health	014001 Advanced Food Science -OR- 018081 FNS Food Science
<b>Natural Resources Systems: Advanced Management</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	013000 Natural Resources	013002 Advanced Natural Resources
<b>Natural Resources Systems: Wildlife Management</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	013000 Natural Resources	013001 Wildlife Management
<b>Environmental Service Systems: Environmental Science</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	018049 Environmental Science	018050 Advanced Placement Environmental Science

<b>Power, Structural, and Technical Systems: Power and Tech</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	016000 Power, Structure, and Technical Systems Fundamentals	016003 Power and Technology (AG)
<b>Power, Structural, and Technical Systems: Structure Systems</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	016000 Power, Structure, and Technical Systems Fundamentals	016002 Structural Systems (AG) -OR- 100110 Principles of Construction Technology (STS)
<b>Power, Structural, and Technical Systems: Metals &amp; Fab</b>	011000 Intro to Agriculture, Food and Natural Resources -OR- 018060 CASE Introduction to AFNR	016000 Power, Structure, and Technical Systems Fundamentals -OR- 016004 Welding (AG) -OR- 101930 Manufacturing Welding (STS)	016005 Metals and Fabrication -OR- 101940 Advanced Welding Fabrication and Manufacturing (STS)
<b>FNS: Food &amp; Nutrition Science Certified</b>	018080 FNS Food Production, Nutrition, and Health	018081 FNS Food Science -OR- 018082 FNS Nutrition Science	018083 FNS Food and Nutrition Research and Development

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## 2016-2017 Nebraska Career Education Programs of Study

Business, Marketing, and Management Career Field

Business, Management and Administration Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Accounting</b>	032300 Introduction to Business, Marketing, & Management -OR- 032400 College Introduction to Business	032802 Management and Leadership	030300 Accounting -OR- 030301 Advanced Accounting -OR- 030302 College Principles of Accounting   
<b>Law</b>	032300 Introduction to Business, Marketing, & Management -OR- 032400 College Introduction to Business	030300 Accounting 	030900 Business Law
<b>Management</b>	032300 Introduction to Business, Marketing, & Management -OR- 032400 College Introduction to Business	032802 Management and Leadership	032370 Entrepreneurship -OR- 032600 College Introduction to Entrepreneurship
<b>Entrepreneurship</b>	032300 Introduction to Business, Marketing, & Management -OR- 032400 College Introduction to Business	030300 Accounting 	032370 Entrepreneurship -OR- 032600 College Introduction to Entrepreneurship
<b>Academy</b>	032400 College Introduction to Business		030302 College Principles of Accounting -OR- 032600 College Introduction to Entrepreneurship 

**Pathway Level Program of Study (POS)**

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Accounting</b>	032802 Management and Leadership	032370 Entrepreneurship -OR- 032600 College Introduction to Entrepreneurship	030300 Accounting  -OR- 032400 College Introduction to Business -OR- 030302 College Principles of Accounting 
<b>Academy</b>	032802 Management and Leadership	030300 Accounting 	032400 College Introduction to Business
<b>Business Technology Communications</b>	270501 Information Technology Applications I	270502 Information Technology Applications II	030600 Business Communications
<b>Business Technology Applications</b>	033422 Computer Applications	270501 Information Technology Applications I	270502 Information Technology Applications II

**Approved National Models Program of Study (POS)**

Full Year Course 

National POS	Introduction Course	Intermediate Course	Capstone Course
<b>NAF Academy of Finance</b>	030803 Financial Services	032400 College Introduction to Business	030802 Insurance -OR- 034100 Business in a Global Economy -OR- 030801 Financial Planning -OR- 032370 Entrepreneurship
<b>High School of Business</b>	032300 Introduction to Business, Marketing, & Management	031800 Business Economics	038100 Marketing -AND- 033001 Principles of Finance -AND- 032802 Management and Leadership -AND- 031805 Business Strategies

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## 2016-2017 Nebraska Career Education Programs of Study

Business, Marketing, and Management Career Field

Finance Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Financial Management</b>	030300 Accounting 		030302 College Principles of Accounting -OR- 030301 Advanced Accounting -OR- 033002 College Wealth Building and Financial Management 
<b>Accounting</b>	033000 Personal Finance		030300 Accounting -OR- 030302 College Principles of Accounting 
<b>Academy</b>	033002 College Wealth Building and Financial Management		030302 College Principles of Accounting 
<b>Economics</b>	031800 Business Economics -OR- 151000 Economics		030300 Accounting -OR- 030302 College Principles of Accounting 

### Pathway Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Accounting</b>	033000 Personal Finance	031800 Business Economics -OR- 151000 Economics	030300 Accounting -OR- 030302 College Principles of Accounting -OR- 033002 College Wealth Building and Financial Management 

<b>AP Economics</b>	033000 Personal Finance	038501 Advanced Placement Microeconomics - OR- 038503 College Microeconomics	038500 Advanced Placement Macroeconomics - OR- 038502 College Macroeconomics
<b>Academy</b>	038501 Advanced Placement Microeconomics - OR- 038503 College Microeconomics	038500 Advanced Placement Macroeconomics - OR- 038502 College Macroeconomics	030302 College Principles of Accounting -OR- 033002 College Wealth Building and Financial Management -OR- 030300 Accounting  

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## 2016-2017 Nebraska Career Education Programs of Study

Business, Marketing, and Management Career Field

Hospitality and Tourism Cluster

### Cluster Level Program of Study (POS)

Full Year Course <sup>1</sup><sub>YEAR</sub>

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Hospitality &amp; Tourism</b>	032300 Introduction to Business, Marketing, & Management	038100 Marketing	370010 Hospitality & Tourism

### Pathway Level Program of Study (POS)

Full Year Course <sup>1</sup><sub>YEAR</sub>

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Restaurants, Food and Beverage Services Prostart</b>	090107 Human Food, Nutrition and Wellness	370030 Prostart I	370031 Prostart II
<b>Restaurants, Food and Beverage Services Culinary</b>	090107 Human Food, Nutrition and Wellness	370021 Culinary Skills I	370022 Culinary Skills II

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## 2016-2017 Nebraska Career Education Programs of Study

Business, Marketing, and Management Career Field

Marketing Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Marketing</b>	038100 Marketing	038101 Marketing Management	038201 College Principles of Marketing -OR- 038200 Advanced Marketing
<b>Marketing Entrepreneurship</b>	038100 Marketing	038101 Marketing Management	032370 Entrepreneurship - OR- 032600 College Introduction to Entrepreneurship

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## 2016-2017 Nebraska Career Education Programs of Study

Communication and Information Systems Career Field

Arts, A/V Technology and Communications Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Arts &amp; A/V Technology</b>	270608 Introduction to Media	270611 Introduction to Digital Design	270609 Media Production I -OR- 270612 Intermediate Digital Design

### Pathway Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Media (Journalism &amp; Broadcasting)</b>	270608 Introduction to Media	270609 Media Production I	270610 Media Production II
<b>Digital Design (Visual Arts)</b>	270611 Introduction to Digital Design	270612 Intermediate Digital Design	270613 Advanced Digital Design

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## 2016-2017 Nebraska Career Education Programs of Study

Communication and Information Systems Career Field

Information Technology Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Information Technology</b>	270501 Information Technology Applications I	270502 Information Technology Applications II	270504 Information Technology Fundamentals -OR- 270611 Introduction to Digital Design - OR- 270604 Web Design

### Pathway Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Network Systems &amp; Telecommunications</b>	270504 Information Technology Fundamentals	270606 PC Support and Maintenance	270601 Network Systems
<b>Information Support &amp; Service</b>	270504 Information Technology Fundamentals	270606 PC Support and Maintenance	270607 Information Technology Support
<b>Programming &amp; Software Development</b>	270504 Information Technology Fundamentals	270401 Programming I	270402 Programming II
<b>Web &amp; Digital Communications</b>	270611 Introduction to Digital Design	270602 Digital Media	270604 Web Design
<b>CISCO</b>	270505 CISCO I: Introduction to Networks	270506 CISCO II: Routing and Switching Essentials	270507 CISCO III: Scaling Networks

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## 2016-2017 Nebraska Career Education Programs of Study

Health Sciences Career Field

Health Sciences Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Health Sciences</b>	077300 Health Sciences I	077301 Health Sciences II	077302 Health Sciences III

### Pathway Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Health Informatics</b>	077300 Health Sciences I	077301 Health Sciences II -OR- 077600 Medical Terminology	077800 Health Information Technology -OR- 077812 Health Information Management and Ethics
<b>Biotechnology Research</b>	077300 Health Sciences I	077600 Medical Terminology -OR- 130210 Anatomy and Physiology	012004 Biotechnology -OR- 077304 Exploring the Clinical Lab
<b>Therapeutic Certificated Services</b>	077300 Health Sciences I	077301 Health Sciences II -OR- 077600 Medical Terminology	077400 Certificated Nursing Assistant -OR- 077402 Emergency Medical Technician and Certified Emergency Responder Technician (EMT/CERT) -OR- 077444 Pharmacy Technician -OR- 077401 Medication Aide -OR- 077446 Phlebotomy Technician
<b>Behavioral Health</b>	077300 Health Sciences I	077301 Health Sciences II	077801 Behavioral Health I -AND- 077802 Behavioral Health II

<b>Life Span Performance</b>	077300 Health Sciences I	130210 Anatomy and Physiology -OR- 077600 Medical Terminology	077500 Introduction to Sports Medicine -AND- 077702 Human Life Cycle Nutrition -OR- 077601 Exercise Science -AND- 077701 Performance Nutrition
<b>Allied/Public Health</b>	077300 Health Sciences I	077301 Health Sciences II	077900 Allied Health and Medicine -OR- 077303 Personal and Community Medical Issues/Public Health
<b>PLTW Principles of Biomedical Science</b>	077300 Health Sciences I	077301 Health Sciences II	077803 PLTW Principles of Biomedical Science I -AND- 077804 PLTW Principles of Biomedical Science II
<b>PLTW Human Body Systems</b>	077300 Health Sciences I	077301 Health Sciences II	077805 PLTW Human Body Systems I -AND- 077806 PLTW Human Body Systems II
<b>PLTW Medical Interventions</b>	077300 Health Sciences I	077301 Health Sciences II	077807 PLTW Medical Interventions I -AND- 077808 PLTW Medical Interventions II
<b>PLTW Biomedical Innovation</b>	077300 Health Sciences I	077301 Health Sciences II	077809 PLTW Biomedical Innovation I -AND- 077810 PLTW Biomedical Innovation II

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## 2016-2017 Nebraska Career Education Programs of Study

Human Sciences and Education Career Field

Education and Training Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Education &amp; Training Teaching</b>	350002 Human Growth and Development	350001 Exploring Education and Training	350010 Experiencing Teaching
<b>Education &amp; Training Early Childhood</b>	090119 Child Development	350015 Early Childhood Education I	350020 Early Childhood Education II

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## 2016-2017 Nebraska Career Education Programs of Study

Human Sciences and Education Career Field

Human Services Cluster

### Cluster Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Human Sciences</b>	090101 Introduction to Human Sciences/FCS	090107 Human Food, Nutrition and Wellness	350002 Human Growth and Development -OR- 090116 Relationships
<b>Human Food, Development, and Behavior</b>	090107 Human Food, Nutrition and Wellness	350002 Human Growth and Development -OR- 090119 Child Development	090116 Relationships

### Pathway Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Consumer Services</b>	090101 Introduction to Human Sciences/FCS	090104 Life and Career Readiness	033000 Personal Finance
<b>Counseling &amp; Mental Health Services</b>	350002 Human Growth and Development	090116 Relationships	151200 Psychology -OR- 151210 AP Psychology
<b>Early Childhood Development &amp; Services</b>	090119 Child Development	090117 Parenting Decisions -OR- 350002 Human Growth and Development	090116 Relationships -OR- 151200 Psychology
<b>Textile Science</b>	090103 Textiles, Construction & Design	090206 Fashion Design and Marketing	320600 Fundamentals of Entrepreneurship
<b>Human Food, Nutrition, and Wellness</b>	090101 Introduction to Human Sciences/FCS	090107 Human Food, Nutrition and Wellness	090108 Advanced Human Food, Nutrition & Wellness
<b>Food and Nutrition Science</b>	018080 FNS Food Production, Nutrition, and Health	018082 FNS Nutrition Science	018081 FNS Food Science
<b>Housing</b>	090101 Introduction to Human Sciences/FCS	090109 Housing and Interior Design	320600 Fundamentals of Entrepreneurship

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## 2016-2017 Nebraska Career Education Programs of Study

Human Sciences and Education Career Field

Law, Public Safety Corrections and Security Cluster

### Pathway Level Program of Study (POS)

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Correction Services</b>	390010 Foundations of Law, Public Safety, Corrections, and Security	390015 Introduction to Criminal Justice	390025 Courts and Judicial Process
<b>Law Enforcement Services</b>	390010 Foundations of Law, Public Safety, Corrections, and Security	390015 Introduction to Criminal Justice	390026 Police and Society
<b>Emergency and Fire Management</b>	390010 Foundations of Law, Public Safety, Corrections, and Security	390015 Introduction to Criminal Justice	077402 Emergency Medical Technician and Certified Emergency Responder Technician (EMT/CERT)

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## 2016-2017 Nebraska Career Education Programs of Study

Skilled and Technical Sciences Career Field

Architecture and Construction Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>A &amp; C Basic</b>	100100 Introduction to the Built Environment	100140 Computer Aided Drafting	100110 Principles of Construction Technology (STS) - OR- 016002 Structural Systems (AG)

### Pathway Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>DPC - Drafting</b>	100100 Introduction to the Built Environment	100140 Computer Aided Drafting -OR- 103192 Engineering Concepts	100141 Applications in Design and Pre-Construction
<b>DPC - Engineering Arch Drafting</b>	103191 Introduction to Engineering	103192 Engineering Concepts	100141 Applications in Design and Pre-Construction
<b>DPC - Basic Drafting</b>	100100 Introduction to the Built Environment	100130 Introduction to Architecture & Construction	100141 Applications in Design and Pre-Construction
<b>DPC - Fundamental Drafting</b>	100140 Computer Aided Drafting	100130 Introduction to Architecture & Construction	100141 Applications in Design and Pre-Construction
<b>DPC - FCS Drafting</b>	090109 Housing and Interior Design	100130 Introduction to Architecture & Construction	100141 Applications in Design and Pre-Construction
<b>DPC - Arch Drafting</b>	103191 Introduction to Engineering	100130 Introduction to Architecture & Construction	100141 Applications in Design and Pre-Construction
<b>DPC - PLTW Drafting</b>	100161 PLTW Introduction to Engineering Design 	100130 Introduction to Architecture & Construction	100141 Applications in Design and Pre-Construction
<b>DPC - PLTW Arch Drafting</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	100130 Introduction to Architecture & Construction	100162 PLTW Civil Engineering and Architecture 

<b>CONST - Basic Construction</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	100110 Principles of Construction Technology (STS) - OR- 016002 Structural Systems (AG)	100120 Advanced Construction Technology
<b>CONST - PLTW Basic Construction</b>	100161 PLTW Introduction to Engineering Design 	100110 Principles of Construction Technology (STS) - OR- 016002 Structural Systems (AG)	100120 Advanced Construction Technology
<b>CONST - Electricity Based</b>	100405 Electricity	100110 Principles of Construction Technology (STS) - OR- 016002 Structural Systems (AG)	100120 Advanced Construction Technology
<b>CONST - Construction Technology</b>	100100 Introduction to the Built Environment	100405 Electricity	100120 Advanced Construction Technology
<b>CONST - PLTW Construction Technology</b>	100161 PLTW Introduction to Engineering Design 	100405 Electricity	100120 Advanced Construction Technology

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## 2016-2017 Nebraska Career Education Programs of Study

Skilled and Technical Sciences Career Field

Energy and Engineering Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Energy and Engineering</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	103191 Introduction to Engineering	103194 Robotics

### Pathway Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Engineering and Technology: PLTW Civil I</b>	100160 PLTW Principles of Engineering 	100162 PLTW Civil Engineering and Architecture 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Civil II</b>	100161 PLTW Introduction to Engineering Design 	100162 PLTW Civil Engineering and Architecture 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Civil III</b>	100160 PLTW Principles of Engineering 		100162 PLTW Civil Engineering and Architecture 
<b>Engineering and Technology: PLTW Civil IV</b>	100161 PLTW Introduction to Engineering Design 		100162 PLTW Civil Engineering and Architecture 
<b>Engineering and Technology: PLTW Biotech I</b>	100160 PLTW Principles of Engineering 	100165 PLTW Biotechnical Engineering 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Biotech II</b>	100161 PLTW Introduction to Engineering Design 	100165 PLTW Biotechnical Engineering 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Biotech III</b>	100160 PLTW Principles of Engineering 		100165 PLTW Biotechnical Engineering 
<b>Engineering and Technology: PLTW Biotech IV</b>	100161 PLTW Introduction to Engineering Design 		100165 PLTW Biotechnical Engineering 
<b>Engineering and Technology: PLTW Computer I</b>	100160 PLTW Principles of Engineering 	101901 PLTW Computer Integrated Manufacturing 	100163 PLTW Engineering Design and Development 

<b>Engineering and Technology: PLTW Computer II</b>	100160 PLTW Principles of Engineering 	101901 PLTW Computer Integrated Manufacturing 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Computer III</b>	100160 PLTW Principles of Engineering 		101901 PLTW Computer Integrated Manufacturing 
<b>Engineering and Technology: PLTW Computer IV</b>	100161 PLTW Introduction to Engineering Design 		101901 PLTW Computer Integrated Manufacturing 
<b>Engineering and Technology: PLTW Electronics I</b>	100160 PLTW Principles of Engineering 		100403 PLTW Digital Electronics 
<b>Engineering and Technology: PLTW Electronics II</b>	100161 PLTW Introduction to Engineering Design 		100403 PLTW Digital Electronics 
<b>Engineering and Technology: PLTW Design I</b>	100160 PLTW Principles of Engineering 		100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Design II</b>	100161 PLTW Introduction to Engineering Design 		100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Aerospace I</b>	100160 PLTW Principles of Engineering 	100164 PLTW Aerospace Engineering 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Aerospace II</b>	100161 PLTW Introduction to Engineering Design 	100164 PLTW Aerospace Engineering 	100163 PLTW Engineering Design and Development 
<b>Engineering and Technology: PLTW Aerospace III</b>	100160 PLTW Principles of Engineering 		100164 PLTW Aerospace Engineering 
<b>Engineering and Technology: PLTW Aerospace IV</b>	100161 PLTW Introduction to Engineering Design 		100164 PLTW Aerospace Engineering 
<b>Engineering and Technology: Non-PLTW</b>	103191 Introduction to Engineering	103192 Engineering Concepts	103193 Engineering Applications -OR- 103194 Robotics
<b>Energy - PLTW POE</b>	100406 Energy Exploration	100160 PLTW Principles of Engineering 	100407 Energy Generation and Distribution
<b>Energy - PLTW IED</b>	100406 Energy Exploration	100161 PLTW Introduction to Engineering Design 	100407 Energy Generation and Distribution
<b>Energy - Non-PLTW</b>	100406 Energy Exploration	100408 Green Energy	100407 Energy Generation and Distribution
<b>Robotics</b>	100100 Introduction to the Built Environment	103194 Robotics	103195 Advanced Robotics

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## 2016-2017 Nebraska Career Education Programs of Study

Skilled and Technical Sciences Career Field

Manufacturing Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Man - Drafting</b>	100100 Introduction to the Built Environment	100140 Computer Aided Drafting	101920 Manufacturing - Woods
<b>Man - Basic</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101920 Manufacturing - Woods	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)
<b>Man - Construction</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101920 Manufacturing - Woods	100110 Principles of Construction Technology (STS)
<b>Man - Metals</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101400 Manufacturing - Metals	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)
<b>Man - Weld</b>	100100 Introduction to the Built Environment	100140 Computer Aided Drafting	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)
<b>Man - PLTW Woods</b>	100161 PLTW Introduction to Engineering Design 		101920 Manufacturing - Woods
<b>Man - PLTW Metals</b>	100161 PLTW Introduction to Engineering Design 		101400 Manufacturing - Metals
<b>Man - PLTW Weld</b>	100161 PLTW Introduction to Engineering Design 		101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)

Pathway Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Prod - Standard Woods</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101920 Manufacturing - Woods	101921 Advanced Woods Fabrication and Manufacturing
<b>Prod - Engineering Woods</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering 	101920 Manufacturing - Woods	101921 Advanced Woods Fabrication and Manufacturing
<b>Prod - Standard Metals</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101400 Manufacturing - Metals	101401 Advanced Metals Fabrication and Manufacturing
<b>Prod - Engineering Metals</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering 	101400 Manufacturing - Metals	101401 Advanced Metals Fabrication and Manufacturing
<b>Prod - Standard Welding</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)	101940 Advanced Welding Fabrication and Manufacturing (STS) -OR- 016005 Metals and Fabrication
<b>Prod - Engineering Welding</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering 	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)	101940 Advanced Welding Fabrication and Manufacturing (STS) -OR- 016005 Metals and Fabrication
<b>Prod - Standard Plastics</b>	100100 Introduction to the Built Environment -OR- 100140 Computer Aided Drafting	101950 Manufacturing Plastics	101951 Advanced Plastics Fabrication and Manufacturing
<b>Prod - Engineering Plastics</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering 	101950 Manufacturing Plastics	101951 Advanced Plastics Fabrication and Manufacturing
<b>MPPD - Basic Electronics</b>	100100 Introduction to the Built Environment	100401 Introduction to Electronics	100402 Advanced Electronics
<b>MPPD - Basic Mechatronics</b>	100100 Introduction to the Built Environment	100401 Introduction to Electronics	101900 Introduction to Mechatronics

<b>MPPD - Engineering Basic Mechatronics</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering	 100401 Introduction to Electronics	101900 Introduction to Mechatronics
<b>MPPD - Electronics / Mechatronics</b>	100401 Introduction to Electronics	100402 Advanced Electronics	101900 Introduction to Mechatronics
<b>MPPD - Standard Mechatronics with CIM</b>	100100 Introduction to the Built Environment	101901 PLTW Computer Integrated Manufacturing	 101900 Introduction to Mechatronics
<b>MPPD - PLTW Standard Mechatronics</b>	100161 PLTW Introduction to Engineering Design -OR- 103191 Introduction to Engineering	 101901 PLTW Computer Integrated Manufacturing	 101900 Introduction to Mechatronics

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## 2016-2017 Nebraska Career Education Programs of Study

Skilled and Technical Sciences Career Field

Transportation, Distribution and Logistics Cluster

### Cluster Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Transportation, Distribution, and Logistics</b>	101600 Introduction to Energy, Power, and Transportation Systems -OR- 100100 Introduction to the Built Environment -OR- 016003 Power and Technology (AG)	101601 Emerging Technologies in Transportation and Logistics	101620 Transportation Technology Services & Maintenance

### Pathway Level Program of Study (POS)

Full Year Course 

Sequence of CTE Courses	Introduction Course	Intermediate Course	Capstone Course
<b>Facility and Mobile Equipment Maintenance - Traditional</b>	101600 Introduction to Energy, Power, and Transportation Systems -OR- 100100 Introduction to the Built Environment -OR- 016003 Power and Technology (AG)	101620 Transportation Technology Services & Maintenance	101630 Automotive & Mobile Equipment Service & Repair
<b>Facility and Mobile Equipment Maintenance - PLTW</b>	101600 Introduction to Energy, Power, and Transportation Systems -OR- 100100 Introduction to the Built Environment -OR- 016003 Power and Technology (AG)	101620 Transportation Technology Services & Maintenance	100403 PLTW Digital Electronics 
<b>Facility and Mobile Equipment Maintenance - Traditional Auto Body</b>	101600 Introduction to Energy, Power, and Transportation Systems -OR- 100100 Introduction to the Built Environment -OR- 016003 Power and Technology (AG)	101620 Transportation Technology Services & Maintenance	101640 Automotive Body Repair and Refinishing

<b>Facility and Mobile Equipment Maintenance - Welding Auto Body</b>	101600 Introduction to Energy, Power, and Transportation Systems -OR- 100100 Introduction to the Built Environment -OR- 016003 Power and Technology (AG)	101930 Manufacturing Welding (STS) -OR- 016004 Welding (AG)	101640 Automotive Body Repair and Refinishing
<b>Warehousing and Distribution Center Operations</b>	101601 Emerging Technologies in Transportation and Logistics	101610 Distribution and Logistics	101650 Business Logistics

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