

CTE Course Description and Standards Crosswalk

Course Information	
Course Name	NCCER Core Curriculum
Course Number	BB875
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Construction Management
Date of district Course Revision	Nov. 20 th , 2014
Career & Technical Student Organization (CTSO)	
CTSO embedded in this sequence	SkillsUSA
Occupational Standards	
Source of Occupational Standards	NCCER
Names/Numbers of Occupational Standards	NCCER Core Curriculum
Registration Information	
Course Description (brief paragraph – as shown in your student handbook or course list)	The National Center for Construction Education Research (NCCER) Core Curriculum is a craft curriculum offered by NCCER that enables students to receive industry certifications sought by the construction field. The modules cover Basic Safety, Communication Skills and Introduction to Construction Drawings. Completing this curriculum gives the trainee the basic skills needed to continue education in any craft area he or she chooses.
Instructional Topic Headings (please separate each heading by a semi-colon)	Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Communication Skills; Basic Employability Skills; Introduction to Materials Handling
Summative Assessments and Standards	
Technical Skills Assessment (TSA)	NCCER CORE
Course addresses:	
New Alaska ELA and Math Standards	Y
Alaska Cultural Standards	Y
All Aspects of Industry (AAI)	Y

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Core Technical Standards	Y
Employability Standards	Y
Employability Standards	
Source of Employability Standards	State of Alaska
Tech Prep	
Current Tech Prep Articulation Agreement? (Y/N)	No
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

Additional CTE Course Information

Author	
Course developed by	Camron Wyatt and Dan Bohrsen
Course adapted from	MatSu "Construction Trades Part 1" course
Date of previous course revision	New course
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	N

Standards Alignment

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability / Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
Students will understand the importance of a safe working environment by understanding struck-by hazards, caught-in-between hazards, safe working procedures and requirements, safe work procedures to use around electrical hazards, use and care of appropriate personal protective equipment (PPE).	00101-09	AC3, AC-CST 5, 9	R-3 R-4		B3	2, 3	3, 7	Written exam and performance testing for Basic Safety
Students will learn the importance of Hazard communications (HazCom) and material safety data sheets (MSDSs) and construction hazards on job site including: hazardous material exposures, environmental elements, welding, cutting hazards, confined spaces, and fires.	00101-09	AC3, AC-CST 5, 9	R-3 R-4 R-6		B3	2, 3, 4	3, 7, 8	Written exam and performance testing for Basic Safety
Students will be able to add, subtract, multiply, and divide whole numbers, decimals and fractions,	00102-09	AC1	R-3	A-APR.7		2	7	Written exam for Introduction to Construction

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use a standard ruler, a metric ruler, and a measuring tape to measure. Convert decimals to percentages and percentages to decimals. Convert fractions to decimals and decimals to fractions.			R-4	N-Q.1				Math
Students will learn how to use the metric system as it pertains to metric units of length, weight, volume, temperature, and basic shapes used in the construction industry.	00102-09	AC1, AC-CST 8	R-3, R-4	N-Q.1 G-MG.3,N-Q.1,N-Q.2, G-GMD-3, N.Q.1	B2	2	7	Written exam for Introduction to Construction Math
Students will identify basic hand tools and their proper uses in the construction trade, as well as visually inspect hand tools to determine if they are safe to use. Students will also learn how to safely use hand tools and how to properly maintain them.	00101-09, 00103-09	AC3, AC-CST 5, 8, 9	R-3 R-4 W-6	N.Q.1 G-CO.1	B3	2, 3, 4	3, 7	Written exam and performance testing for Basic Safety and Introduction to Hand Tools

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Students will identify power tools commonly used in the construction trades and understand how to safely use and maintain them.	00104-09	AC3, AC-CST 5, 8, 9	R-3 R-4 W-6	N.Q.1 G-CO.1	B3	2, 4	3, 7	Written exam and performance testing for Introduction to Power Tools
Students will understand basic construction drawing terms, components, and symbols, recognize different classifications of construction drawings, and interpret and use drawing dimensions.	00105-09	AC1, 6, AC-CST 8	R-3 R-4	N.Q.1 G-CO.1	E4	2, 4	7	Written exam and performance testing for Introduction to Construction Drawings
Students will interpret information and instructions presented in both verbal and written form and communicate effectively in on-the-job situations using verbal, written and electronic communication.	00107-09	AC1, 6, AC-CST 6	R-2, R-6, W-2, W-4	N.Q.1, G-CO.1	A5, B1	2, 4	7	Written exam and performance testing for Basic Communication Skills
Students will use critical thinking skills to solve problems and be knowledgeable in the use of computer systems used in the construction industry. Students will	00108-09	AC1, 2, AC-CST 5-6	W-4 W-5 R-3	N.Q.3 G-MG-3 G-CO.12	B1, B2, C4, D5, E4, E7	2, 4, 6, 8	5, 7	Written exam and performance testing for Basic Employability

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also learn the importance of a positive workplace atmosphere in regard to sexual harassment, stress, and substance abuse.		AC-CST 9						Skills
Students will be able to define a load, establish a pre-task plan prior to moving a load, proper materials-handling techniques and equipment for the task. Students will also be able to recognize hazards and follow safety procedures required for materials handling.	00109-09	AC1 AC3, AC-CST 5, 8, 9	W-4 R-4 R-6	G-GMD.3 N-Q.1 G-MG.3		2, 4	5, 7	Written exam and performance testing on Introduction to Materials Handling

Instructional Resources

List the major instructional resources used for this course: (websites, textbooks, essential equipment, reference materials, supplies)

NCCER (National Center for Construction Education and Research): Core Curriculum Introductory Craft Skills, 4th Edition

<http://www.store.nccer.org>