

CTE Course Description and Standards Crosswalk

- The information on page 1 must be entered directly into the EED CTE Web Portal (log in at <https://www.eed.state.ak.us/tls/cte/perkins> with your district credentials)
- Then this entire form can be submitted by using the “Click here Provide Supporting Documentation” link on the Web Portal, or by emailing it to ctegrants@alaska.gov.

Basic CTE Course Information

Course Information	
Course Name	Construction I
Course Number	11725
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS name put into the system.)	Construction Management
Occupational Standards	
Source of Occupational Standards	NCCER, International Builders Code (IBC) and Hazardous Materials Management Technology (HMT)
Names/Numbers of Occupational Standards	Core
Registration Information	
Course Description (brief paragraph – as shown in your student handbook or course list)	This course is a beginning level construction class designed to teach students the basic information and techniques that apply to the building trades industry. Safe equipment use and processes will be covered.
Instructional Topic Headings (please separate each heading by a semi-colon)	Construction materials; Construction safety; Tools and machines; Framing, floors, walls and roofs; Exterior; Windows and doors; Weather proofing; Encourage SkillsUSA involvement
Summative Assessments and Standards	
Technical Skills Assessment	Y
Course addresses Alaska GLEs	Y
Course addresses Employability Standards	Y

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Course addresses Cultural Standards	Y
Course addresses All Aspects of Industry (AAI)	Y
Career & Technical Student Organization (CTSO)	
CTSO associated with this course	SkillsUSA
Tech Prep	
Current Tech Prep Articulation Agreement? (Y/N)	N
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

Additional CTE Course Information

Author	
Course developed by	KPBSD
Course adapted from	Previous Version
Date of last course revision	Nov. 2010
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	No
Certificate, Credential, or License	
Industry-recognized skill certificate, credential, or state license that a student is eligible for upon successful completion of the course?	Core-Basic Safety-Module 00104-04 or 09 OSHA-10 hour General Industry Safety and Health Course
Issuing body/organization/agency	NCCER

Standards Alignment

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, & Science Standards	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	Formative Assessment
Identify and practice carpentry safety standards.	NCCER— CORE Basic Safety (00101) SkillsUSA/V ICA— Technical Standards Book p. 41 (Occupationa	R4.6, R4.9	A6, 7	C3	Hlth/Safety Wk Habits	NCCER CORE Basic Safety SkillsUSA Occupational Health & Safety

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, & Science Standards	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	Formative Assessment
	I Health & Safety)					
Demonstrate proper selection of appropriate construction materials.	IBC 2006 2301	MA1.4.1 – MA1.4.7 M A2.4.1 – MA2.4.4 M A3.4.1, MA4.4.2 R4 .4, R4.5, R4.11 SA.2, S A.4, SC.6, S.A.1, 2			Technical Skills Health / Safety	Lab Assignment
Demonstrate proper use and maintenance of carpenters’ tools and equipment.	NCCER— CORE Intro to Hand Tools (00103) CORE Intro to Power Tools (00104) module 27103 SkillsUSA – Technical Standards Book p. 149	MA2.4.1-4, R.4.4, 6, SB2	A6		Tech/Prod Health/Safety Labor Prin Tech	NCCER— CORE Intro to Hand Tools, Intro to Power Tools SkillsUSA Carpentry

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, & Science Standards	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	Formative Assessment
	(Carpentry)					
Demonstrate various layout and framing techniques.	IBC 2006 601, 1401	MA1.4.1 – MA1.4.7 M A2.4.1 – MA2.4.4 M A3.4.1, MA4.4.2 M A5.4.6, MA5.4.7 R4 .4, R4.5 a, R4.5 b R4.6, R4.9, R4.11 SA.4 SB.2, 3, SC.6			Technical Skills Health / Safety	Lab Assignment
Demonstrate correct manner of closing in exterior walls.	IBC 2006 1405			C3	Technical Skills Health / Safety	Lab Assignment
Demonstrate proper selection and installation of doors and windows.	IBC 2006 1008				Technical Skills Health / Safety	Lab Assignment
Demonstrate correct selection and applications of weather proofing materials.	IBC 1301				Technical Skills Health /	Lab Assignment

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Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standards	Alaska Reading, Writing, Math, & Science Standards	Alaska Employability Standards	Alaska Cultural Standards	All Aspects of Industry	Formative Assessment
					Safety	

Instructional Resources

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

Occupational Safety and Health Administration (OSHA), US Department of Labor, <http://www.osha.gov>

Core Curriculum Introductory Craft Skills National Center for Construction Education and Research (NCCER): 4th Edition, Contren Learning Series, 2009

Construction Craft Laborer: NCCER: <http://www.nccer.org/construction-craft-laborer?pID=86>

OSHA 10-Hour Construction Course Online: <http://oshaeducationcenter.com/osha-10-hour-training-construction.aspx>

International Building Code: 2012 International Building Code, ISBN: 978-1-60983-040-3

SkillsUSA: <http://www.SkillsUSA.org>

Alaska Safety Instruction Manual, 2001 <http://www.eed.state.ak.us/tls/CTE/>